GENERAL CATALOGUE

2025-2027



INDUSTRY
INSTALLATION
DOMESTIC





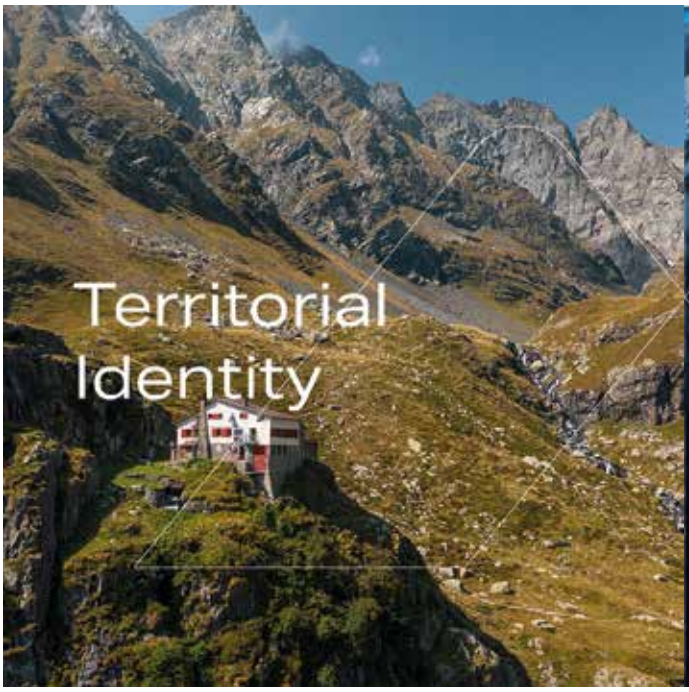
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GENERAL CATALOGUE 2025-2027

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SCAME PARRE S.P.A.

A history of innovation with solid roots

SCAME PARRE S.p.A., head of the SCAME group, is a manufacturer of components and systems for electrical installations in the civil, services and industrial sector, born and raised in the mountains of the upper Val Seriana, in the Province of Bergamo, Northern Italy.

Since 1963, the year of its foundation, in more than half a century of activity, SCAME has never betrayed the spirit of the origins made of attention to the environment and the person, as well as continuous research to provide an innovation that is never an end in itself, but which translates into total quality and real benefits for the user.

Already a pioneer in the field of the solutions dedicated to electric vehicles charging for which it is today considered an absolute benchmark, the continuous search for new markets has led SCAME to develop also an articulated range of ATEX IECEx products for installation in hazardous areas, without neglecting its traditional offer based on products for domestic and industrial applications, even heavy ones.

A catalog able to meet any installation requirement, a product quality guaranteed by compliance with national and international Standards, a rapid customer service able to support every choice and an high level of service, have enabled SCAME to affirm its presence not only nationally, but also internationally through a network of 17 subsidiaries and a consolidated network of distributors in over 80 countries on 5 continents.

Prized by the Italian Government as an "Historical Brand of National Interest", excellence of true Made in Italy, SCAME is already prepared for the challenges that await it in the future, always ready to innovate and renew itself.



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Slovakia Dolny Kubin

SCAME-TOP
China Beijing

SCAME-UA
Ukraine Kamenets Podolsky

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SOBEM SCAME
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MAGNUM CAP
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THE CONCEPT OF QUALITY IS AN INTEGRAL PART OF OUR CULTURE IN ALL ASPECTS AND EVERY ACTIVITY OF OUR WORK.

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CSQ ISO 9001 CSQ ISO 14001 CSQ ISO 45001 IQNet

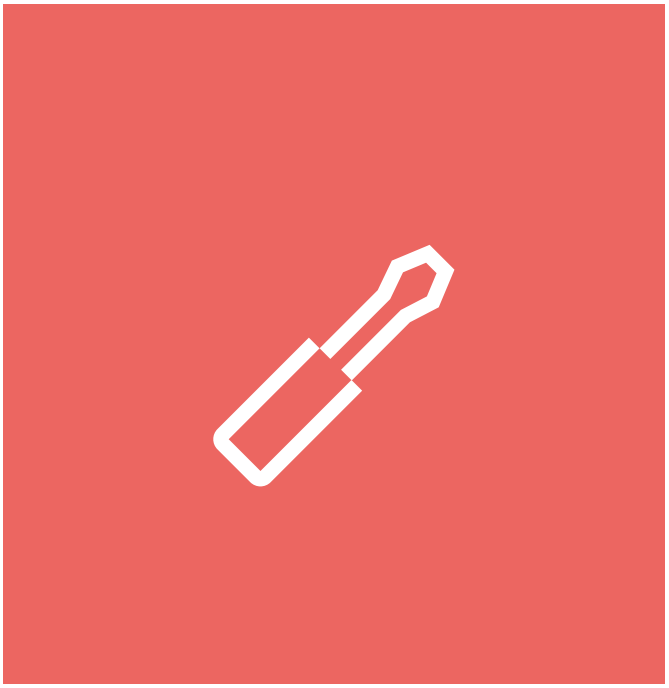


1. INDUSTRY

Systems and components for industrial electrical systems

Complete range of industrial plugs and sockets, switched interlocked socket outlets, switch-disconnectors, enclosures, distribution boards and everything necessary for a modern energy distribution system in the services, industrial, heavy industrial and building construction site sectors.

p. 10



2. INSTALLATION

Accessories for the electrical system

Complete range of cable glands, terminal strips, ties, conduit accessories and trunkings for the installation of a modern and safe electrical system. Because the quality of a system can also be recognized in the details.

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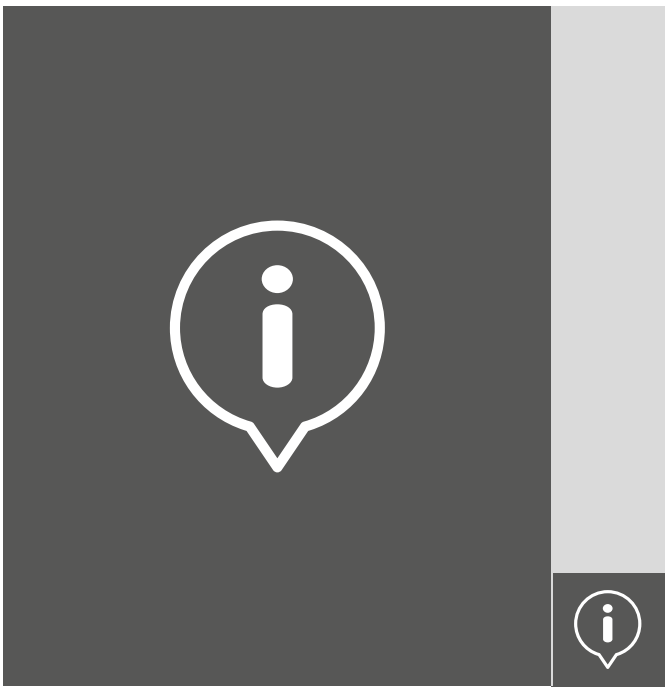


3. DOMESTIC

Products for the residential and tertiary sector

Complete range of plugs, single or multiple sockets, adaptors and cable reels to meet the connection needs in the residential and tertiary sector. The offer is completed by the watertight modular wiring devices for fixed installation.

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INFORMATION

Technical insights

Information of technical, regulatory and applicative nature to emphasize the peculiarities of the products
of which the Scame offer is made up.

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SCAME







INDUSTRIAL PLUGS AND SOCKETS



Industrial plugs and sockets to IEC 60309 rated operating voltage >50 V

CLOCK FACE POSITION

Viewing the socket from the front, the clock face position (h) is established by observing the position of the earth contact with respect to the major keyway, which is always situated at 6 o'clock. The different voltages are identified by conventional colour codes.

EXAMPLES:

- standard use ..... **h 6**
- refrigerated container ..... **h 3**
- marine, port or ship installation ..... **h 11**
- direct current (2P + E) ..... **h 3 and 8**
- supply by isolation transformer (TST) ..... **h 12**
- high frequency, from 100 to 300 Hz ..... **h 10**
- high frequency, from 300 to 500 Hz ..... **h 2**
- specific voltages 100 - 130V ..... **h 4**
  480 - 500V ..... **h 7**
  600 - 690V ..... **h 5**

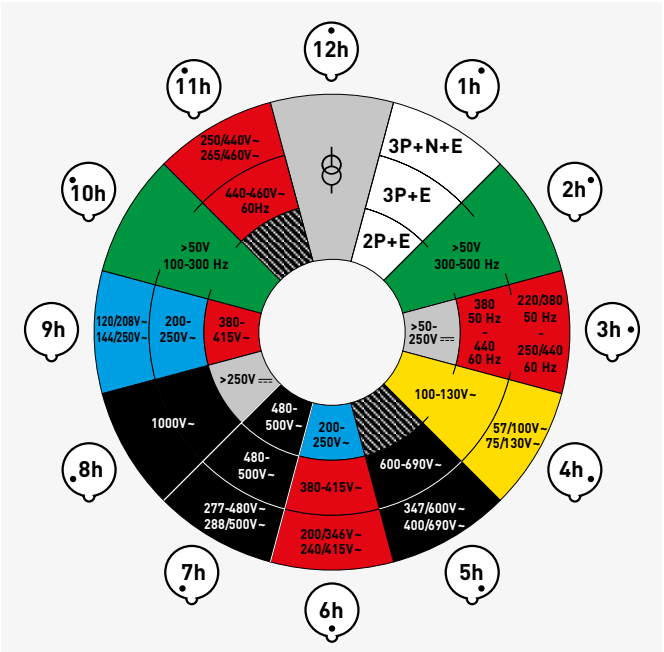
COLOUR CODE

The operating voltages are identified by conventional colours as shown in the table:

Rated operating voltage V	Colour[1]
from 20 to 25	Violet
from 40 to 50	White
from 100 to 130	Yellow
from 200 to 250	Blue
from 380 to 480	Red
from 500 to 1000	Black

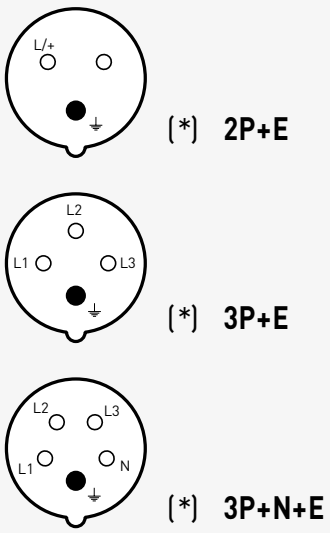
[1] *Combinations of green with the colour of the rated operating voltage can be used to identify frequencies between 60 Hz and 500 Hz inclusive.*

CLOCK POSITION - IEC RATINGS



Clock diagram
Clock face position (h) of the earth pole of low voltage (>50 V) industrial plugs and sockets to IEC 60309-2 for different applications (polarity, voltage, frequency, current).
⏚ = Supply from isolation transformer.

SOCKET (FRONT VIEW)



(*) Major keyway.

Synoptic table of standard industrial plugs and sockets to IEC 60309-2

RATED OPERATING VOLTAGE > 50 V (LV)

Number of contact	Poles	Frequency Hz	Rated operating voltage V	Clock face pos. (h) Earth contact[1]		Colour code
				16A - 32A	63A - 125A	
3	2P+E	50 and 60	100÷130	4	4	
		50 and 60	200÷250	6	6	
		50 and 60	380÷415	9	9	
		50 and 60	480÷500	7	7	
		50 and 60	suppl. by isol. transf.	12	12	- [5]
		100÷300	> 50	10	10	[4]
		>300÷500	> 50	2	2	[4]
		d.c.	>50÷250	3	3	- [5]
		d.c.	> 250	8	8	- [5]
4	3P+E	50 and 60	100÷130	4	4	
		50 and 60	200÷250	9	9	
		50 and 60	380÷415	6	6	
		60	440÷460 [3]	11	11	
		50 and 60	480÷500	7	7	
		50 and 60	600÷690	5	5	
		50 60	380 440 [2]	3	3	
		50 and 60	1000	8	8	
		100÷300	> 50	10	-	[4]
		>300÷500	> 50	2	-	[4]
5	3P+N+E	50 and 60	57/100÷75/130	4	4	
		50 and 60	120/208÷144/250	9	9	
		50 and 60	200/346÷240/415	6	6	
		50 and 60	277/480÷288/500	7	7	
		50 and 60	347/600÷400/690	5	5	
		60	250/440÷265/460 [3]	11	11	
		50 60	220/380 250/440 [3]	3	3	
		50 and 60	1000	8	8	
		50 and 60	suppl. by isol. transf.	12	12	
		100÷300	> 50	10	10	[4]
		>300÷500	> 50	2	2	[4]
All types		All types of voltage and/or frequency not within these standardised configurations		1	1	-

[1] *The positions shown by a dash (-) are not standardised.*
[2] *For ISO standard refrigerated containers.*
[3] *Mainly for shipboard installations.*
[4] *Combinations of green with the colour of the rated operating voltage can be used to identify frequencies >60÷500Hz.*
[5] *Plugs and sockets for which the IEC 60309-2 standard sets only the clock face position (h) of the earth contact and not the colour, are supplied by SCAME in RAL 7035 grey.*



PLUGS

OPTIMA SERIES
p. 22

Fast wiring industrial plugs with external cable clamp



OPTIMA-REVERSE SERIES
p. 28

Fast wiring industrial plugs with phase inverter



Applications: Construction site

OPTIMA-HD SERIES
p. 30

Fast wiring industrial plugs with phase inverter



Applications: Shipyard Commercial Port Container Terminal Heavy Industry Chemical Industry Quarry Mines

EUREKA SERIES
p. 32

Industrial plugs with 90° angled cable outlet



XENIA SERIES
p. 33

Industrial plugs with monobloc body



INDUSTRIAL PLUGS AND SOCKETS

Plugs - Quick selection guide

					OPTIMA Series		OPTIMA-REVERSE Series	EUREKA Series	XENIA Series
							 3 REVERSE		
					IP44/IP54		IP44/IP54	IP44	IP44/IP54
					SCREW WIRING	FAST WIRING	SCREW WIRING	SCREW WIRING	SCREW WIRING
	Poles	Volt	Colour	h	Screw terminals	Perforating terminals	Screw terminals	Screw terminals	Screw terminals
16A	2P+E	100-130V		4	213.1630 2	213.1630P 2		221.1630	214.1630
		200-250V		6	213.1633 1 2	213.1633P 1 2		221.1633	214.1633
		380-415V		9	213.1638	213.1638P			
	3P+E	100-130V		4	213.1631				
		380-415V		6	213.1636 1	213.1636P 1 2	213.1636RV	221.1636	214.1636
		200-250V		9	213.1634	213.1634P			
	3P+N+E	100-130V		4	213.1632				
		346-415V		6	213.1637 1	213.1637P 1 2	213.1637RV	221.1637	214.1637
		208-250V		9	213.1635				
					Screw terminals	Spring terminals	Screw terminals	Screw terminals	Screw terminals
32A	2P+E	100-130V		4	213.3230	213.3230F		221.3230	214.3230
		200-250V		6	213.3233 1	213.3233F 1		221.3233	214.3233
		380-415V		9	213.3238	213.3238F			
	3P+E	100-130V		4	213.3231				
		380-415V		6	213.3236 1	213.3236F 1	213.3236RV	221.3236	214.3236
		200-250V		9	213.3234	213.3234F			
	3P+N+E	100-130V		4	213.3232				
		346-415V		6	213.3237 1	213.3237F 1	213.3237RV	221.3237	214.3237
		208-250V		9	213.3235				
					Mantle terminals				
63A	2P+E	200-250V		6	213.6333 1				
		380-415V		9	213.6338				
	3P+E	380-415V		6	213.6336 1				
		200-250V		9	213.6334				
	3P+N+E	346-415V		6	213.6337 1				
		208-250V		9	213.6335				
125A	2P+E	200-250V		6					
		380-415V		9					
	3P+E	380-415V		6					
		200-250V		9					
	3P+N+E	346-415V		6					
		208-250V		9					

Special versions





1 Black colour - Add ".K" at the end of the catalogue number (ie. 213.1633.K).





2 Transparent handle - Add ".TR" at the end of the catalogue number (ie. 213.1633.TR).

OPTIMA Series		OPTIMA-REVERSE Series	OPTIMA-HD Series	EUREKA Series
		 [3] REVERSE		
IP66/IP67/IP69		IP66/IP67/IP69	IP66/IP67/IP69	IP66/IP67
SCREW WIRING	FAST WIRING	SCREW WIRING	SCREW WIRING	SCREW WIRING
Screw terminals	Perforating terminals	Screw terminals	Screw terminals	Screw terminals
218.1630 [2]	218.1630P [2]			226.1630
218.1633 [1] [2]	218.1633P [1] [2]		218.1633.KX	226.1633
218.1638	218.1638P			
218.1631				
218.1636 [1]	218.1636P [1]	218.1636RV	218.1636.KX	226.1636
218.1634	218.1634P		218.1634.KX	
218.1632				
218.1637 [1]	218.1637P [1]	218.1637RV	218.1637.KX	226.1637
218.1635			218.1635.KX	
Screw terminals	Spring terminals	Screw terminals	Screw terminals	Screw terminals
218.3230	218.3230F			226.3230
218.3233 [1]	218.3233F [1]		218.3233.KX	226.3233
218.3238	218.3238F			
218.3231				
218.3236 [1]	218.3236F [1]	218.3236RV	218.3236.KX	226.3236
218.3234	218.3234F			
218.3232				
218.3237 [1]	218.3237F [1]	218.3237RV	218.3237.KX	226.3237
218.3235			218.3235.KX	
Mantle terminals			Mantle terminals	
218.6333 [1]			218.6333.KX	
218.6338				
218.6336 [1]			218.6336.KX	
218.6334				
218.6337 [1]			218.6337.KX	
218.6335			218.6335.KX	
218.12533 [1]			218.12533.KX	
218.12538				
218.12536 [1]			218.12536.KX	
218.12534				
218.12537 [1]			218.12537.KX	
218.12535			218.12535.KX	

Terminals


screw terminals


spring terminals

FAST WIRING - Anti vibrations

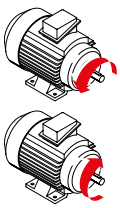

insulation perforating terminals

FAST WIRING


mantle terminals

Optimal connections for high currents

Operating principle of the phase inverter





[3] Phase inversion is obtained simply by pushing and turning with a screwdriver the support where the two phase pins are mounted.



OPTIMA Series

OPTIMA is a complete range of industrial plugs from 16A up to 125A, robust and safe thanks to the use of high performance halogen-free technopolymers bodies and to the external cable gland with cable clamp function. Fast to wire thanks to the opening of the body by means of a Snap-on steel spring mechanism, the OPTIMA Series plugs are available with multiple types of terminals to always guarantee the best connection according to the type of use and wiring requirements. The efficiency of the contacts over time is also guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging, while the IP degree stability is ensured by the co-moulded gasket.

technical sheet **p. 734**

Technical information

Main characteristics





01 Unlosable co-moulded gasket

02 Ultra smooth anti-corrosion nickel-plated brass pins

03 4 different types of terminals: screw (16A-32A), insulation perforating (16A), spring (16A-32A), mantle (63A-125)

04 Snap-on device with stainless steel spring to speed up cabling operations

05 Body in halogen-free materials, with high mechanical and UV rays resistance

06 Tulip external cable clamp with cable gland function

Special versions



Black colour

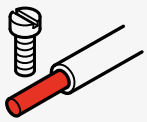




Transparent handle

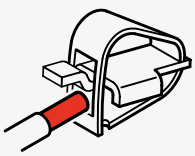


Terminals



screw terminals

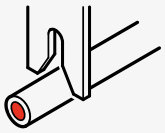




spring terminals



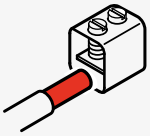
FAST WIRING - Anti vibrations



insulation perforating terminals



FAST WIRING



mantle terminals



Optimal connections for high currents

PLUGS - IP44/IP54 >> SCREW TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**213.16332**	10/50	**213.32332**	10/40
	3	DC	>50-250		**213.16334**	10/50	**213.32334**	10/40
	4	50 60	100-130		**213.1630**[1]	10/50	**213.3230**	10/40
	6	50 60	200-250		**213.1633**[1) 2)]	10/50	**213.3233**[2)]	10/40
	7	50 60	480-500		**213.16336**	10/50	**213.32336**	10/40
	8	DC	>250		**213.16338**	10/50	**213.32338**	10/40
	9	50 60	380-415		**213.1638**	10/50	**213.3238**	10/40
	10	100-300	>50		**213.16331**	10/50	**213.32331**	10/40
	12	50 60	TST>50		**213.16333**	10/50	**213.32333**	10/40
3P+E	2	>300-500	>50		**213.16362**	10/50	**213.32362**	10/40
	3	50 60	380 50Hz / 440 60Hz		**213.16364**	10/50	**213.32364**	10/40
	4	50 60	100-130		**213.1631**	10/50	**213.3231**	10/40
	5	50 60	600-690		**213.16367**	10/50	**213.32367**	10/40
	6	50 60	380-415		**213.1636**[2)]	10/50	**213.3236**[2)]	10/40
	7	50 60	480-500		**213.16366**	10/50	**213.32366**	10/40
	9	50 60	200-250		**213.1634**	10/50	**213.3234**	10/40
	10	100-300	>50		**213.16361**	10/50	**213.32361**	10/40
	11	60	440-460		**213.16365**	10/50	**213.32365**	10/40
3P+N+E	2	>300-500	>50		**213.16372**	10/50	**213.32372**	10/40
	3	50 60	380 50Hz / 440 60Hz		**213.16374**	10/50	**213.32374**	10/40
	4	50 60	100-130		**213.1632**	10/50	**213.3232**	10/40
	5	50 60	600-690		**213.16377**	10/50	**213.32377**	10/40
	6	50 60	346-415		**213.1637**[2)]	10/50	**213.3237**[2)]	10/40
	7	50 60	480-500		**213.16376**	10/50	**213.32376**	10/40
	9	50 60	208-250		**213.1635**	10/50	**213.3235**	10/40
	10	100-300	>50		**213.16371**	10/50	**213.32371**	10/40
	11	60	440-460		**213.16375**	10/50	**213.32375**	10/40

[1)] *Version also available with transparent handle; just add ".TR" at the end of the catalogue number.*
[2)] *Version also available in black; just add ".K" at the end of the catalogue number.*

PLUGS - IP44/IP54 >> PERFORATING TERMINALS





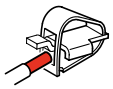
IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**213.1630P**[1]	10/50
	6	50 60	200-250		**213.1633P**[1) 2)]	10/50
	9	50 60	380-415		**213.1638P**	10/50
3P+E	6	50 60	380-415		**213.1636P**[1) 2)]	10/50
	9	50 60	200-250		**213.1634P**	10/50
3P+N+E	6	50 60	346-415		**213.1637P**[1) 2)]	10/50

[1)] *Version also available with transparent handle; just add ".TR" at the end of the catalogue number.*
[2)] *Version also available in black; just add ".K" at the end of the catalogue number.*

PLUGS - IP44/IP54 >> SPRING TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	32A	
2P+E	4	50 60	100-130		**213.3230F**	10/40
	6	50 60	200-250		**213.3233F**[1)]	10/40
	9	50 60	380-415		**213.3238F**	10/40
3P+E	6	50 60	380-415		**213.3236F**[1)]	10/40
	9	50 60	200-250		**213.3234F**	10/40
3P+N+E	6	50 60	346-415		**213.3237F**[1)]	10/40

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

PLUGS - IP44/IP54 >> MANTLE TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**213.63332**	6/24
	3	DC	>50-250		**213.63334**	6/24
	4	50 60	100-130		**213.6330**	6/24
	6	50 60	200-250		**213.6333**[1)]	6/24
	7	50 60	480-500		**213.63336**	6/24
	8	DC	>250		**213.63338**	6/24
	9	50 60	380-415		**213.6338**	6/24
	10	100-300	>50		**213.63331**	6/24
	12	50 60	TST>50		**213.63333**	6/24
3P+E	2	>300-500	>50		**213.63362**	6/24
	3		380 50Hz / 440 60Hz		**213.63364**	6/24
	4	50 60	100-130		**213.6331**	6/24
	5	50 60	600-690		**213.63367**	6/24
	6	50 60	380-415		**213.6336**[1)]	6/24
	7	50 60	480-500		**213.63366**	6/24
	9	50 60	200-250		**213.6334**	6/24
	10	100-300	>50		**213.63361**	6/24
	11	60	440-460		**213.63365**	6/24
3P+N+E	2	>300-500	>50		**213.63372**	6/24
	3	50 60	380 50Hz / 440 60Hz		**213.63374**	6/24
	4	50 60	100-130		**213.6332**	6/24
	5	50 60	600-690		**213.63377**	6/24
	6	50 60	346-415		**213.6337**[1)]	6/24
	7	50 60	480-500		**213.63376**	6/24
	9	50 60	208-250		**213.6335**	6/24
	10	100-300	>50		**213.63371**	6/24
	11	60	440-460		**213.63375**	6/24

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

PLUGS - IP66/IP67/IP69 >> SCREW TERMINALS





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**218.16332**	10/40	**218.32332**	10/40
	3	DC	>50-250		**218.16334**	10/40	**218.32334**	10/40
	4	50 60	100-130		**218.1630** [1]	10/40	**218.3230**	10/40
	6	50 60	200-250		**218.1633** [1] [2]	10/40	**218.3233** [2]	10/40
	7	50 60	480-500		**218.16336**	10/40	**218.32336**	10/40
	8	DC	>250		**218.16338**	10/40	**218.32338**	10/40
	9	50 60	380-415		**218.1638**	10/40	**218.3238**	10/40
	10	100-300	>50		**218.16331**	10/40	**218.32331**	10/40
	12	50 60	TST>50		**218.16333**	10/40	**218.32333**	10/40
3P+E	2	>300-500	>50		**218.16362**	10/40	**218.32362**	10/40
	3	50 60	380 50Hz / 440 60Hz		**218.16364**	10/40	**218.32364**	10/40
	4	50 60	100-130		**218.1631**	10/40	**218.3231**	10/40
	5	50 60	600-690		**218.16367**	10/40	**218.32367**	10/40
	6	50 60	380-415		**218.1636** [2]	10/40	**218.3236** [2]	10/40
	7	50 60	480-500		**218.16366**	10/40	**218.32366**	10/40
	9	50 60	200-250		**218.1634**	10/40	**218.3234**	10/40
	10	100-300	>50		**218.16361**	10/40	**218.32361**	10/40
	11	60	440-460		**218.16365**	10/40	**218.32365**	10/40
	12	50 60	TST>50		**218.16363**	10/40		
3P+N+E	2	>300-500	>50		**218.16372**	10/40	**218.32372**	10/40
	3	50 60	380 50Hz / 440 60Hz		**218.16374**	10/40	**218.32374**	10/40
	4	50 60	100-130		**218.1632**	10/40	**218.3232**	10/40
	5	50 60	600-690		**218.16377**	10/40	**218.32377**	10/40
	6	50 60	346-415		**218.1637** [2]	10/40	**218.3237** [2]	10/40
	7	50 60	480-500		**218.16376**	10/40	**218.32376**	10/40
	9	50 60	208-250		**218.1635**	10/40	**218.3235**	10/40
	10	100-300	>50		**218.16371**	10/40	**218.32371**	10/40
	11	60	440-460		**218.16375**	10/40	**218.32375**	10/40

[1] *Version also available with transparent handle; just add ".TR" at the end of the catalogue number.*
[2] *Version also available in black; just add ".K" at the end of the catalogue number.*

PLUGS - IP66/IP67/IP69 >> PERFORATING TERMINALS





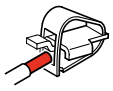
IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**218.1630P** [1]	10/40
	6	50 60	200-250		**218.1633P** [1] [2]	10/40
	9	50 60	380-415		**218.1638P**	10/40
3P+E	6	50 60	380-415		**218.1636P** [2]	10/40
	9	50 60	200-250		**218.1634P**	10/40
3P+N+E	6	50 60	346-415		**218.1637P** [2]	10/40

[1] *Version also available with transparent handle; just add ".TR" at the end of the catalogue number.*
[2] *Version also available in black; just add ".K" at the end of the catalogue number.*

PLUGS - IP66/IP67/IP69 >> SPRING TERMINALS





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	32A	
2P+E	4	50 60	100-130		218.3230F	10/40
	6	50 60	200-250		218.3233F[1)]	10/40
	9	50 60	380-415		218.3238F	10/40
3P+E	3	50 60	380 50Hz / 440 60Hz		218.32364F	10/40
	6	50 60	380-415		218.3236F[1)]	10/40
	9	50 60	200-250		218.3234F	10/40
3P+N+E	6	50 60	346-415		218.3237F[1)]	10/40

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

PLUGS - IP66/IP67/IP69 >> MANTLE TERMINALS





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	2	>300-500	>50		218.63332	6/24	218.125332	1/8
	3	DC	>50-250		218.63334	6/24	218.125334	1/8
	4	50 60	100-130		218.6330	6/24	218.12530	1/8
	6	50 60	200-250		218.6333[1)]	6/24	218.12533[1)]	1/8
	7	50 60	480-500		218.63336	6/24	218.125336	1/8
	8	DC	>250		218.63338	6/24	218.125338	1/8
	9	50 60	380-415		218.6338	6/24	218.12538	1/8
	10	100-300	>50		218.63331	6/24	218.125331	1/8
	12	50 60	TST>50		218.63333	6/24	218.125333	1/8
3P+E	2	>300-500	>50		218.63362	6/24	218.125362	1/8
	3	50 60	380 50Hz / 440 60Hz		218.63364	6/24	218.125364	1/8
	4	50 60	100-130		218.6331	6/24	218.12531	1/8
	5	50 60	600-690		218.63367	6/24	218.125367	1/8
	6	50 60	380-415		218.6336[1)]	6/24	218.12536[1)]	1/8
	7	50 60	480-500		218.63366	6/24	218.125366	1/8
	9	50 60	200-250		218.6334	6/24	218.12534	1/8
	10	100-300	>50		218.63361	6/24	218.125361	1/8
	11	60	440-460		218.63365	6/24	218.125365	1/8
3P+N+E	2	>300-500	>50		218.63372	6/24	218.125372	1/8
	3	50 60	380 50Hz / 440 60Hz		218.63374	6/24	218.125374	1/8
	4	50 60	100-130		218.6332	6/24	218.12532	1/8
	5	50 60	600-690		218.63377	6/24	218.125377	1/8
	6	50 60	346-415		218.6337[1)]	6/24	218.12537[1)]	1/8
	7	50 60	480-500		218.63376	6/24	218.125376	1/8
	9	50 60	208-250		218.6335	6/24	218.12535	1/8
	10	100-300	>50		218.63371	6/24	218.125371	1/8
	11	60	440-460		218.63375	6/24	218.125375	1/8

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*



OPTIMA-REVERSE Series

OPTIMA-REVERSE is a range of 16A and 32A industrial plugs, which allow the rapid reversal of two phases to restore the correct direction of rotation for three-phase motors of mobile and fixed loads.

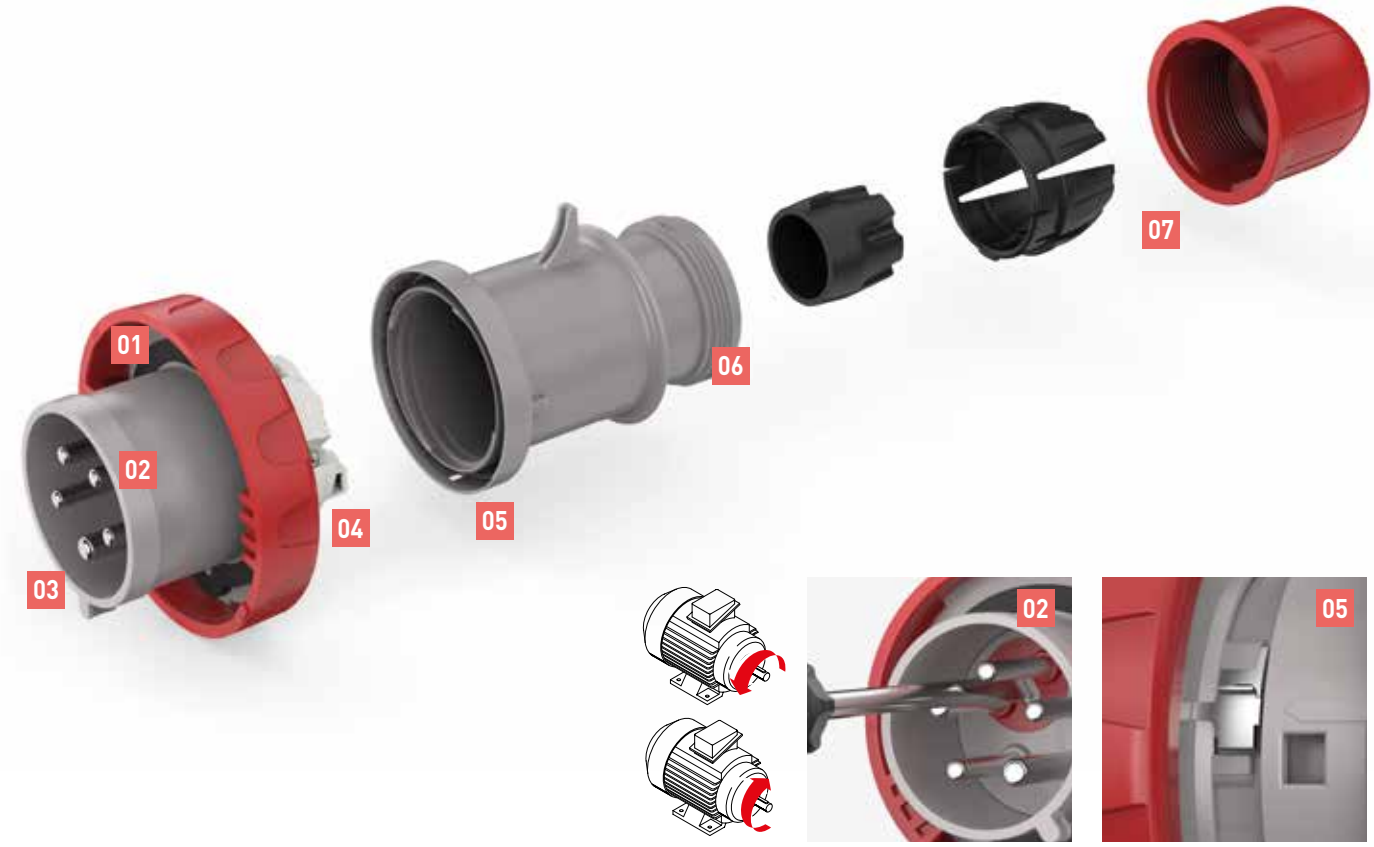
The inversion of the phases is done simply by pushing and turning by a screwdriver the support where the two phase pins are mounted

Robust and safe industrial plugs, thanks to the use of high performance technopolymer bodies and to the external cable gland with cable clamp function. The efficiency of the contacts over time is also guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging. Quick to wire thanks to the opening of the body by means of a Snap-on steel spring mechanism and screw terminals, the OPTIMA-REVERSE Series plugs do not neglect the environmental aspect, being produced with halogen-free materials.

technical sheet **p. 742**

Technical information

Main characteristics



01 Unlosable co-moulded gasket

02 Phase inverter. Phase inversion is obtained simply by pushing and turning with a screwdriver the support where the two phase pins are mounted

03 Ultra smooth anti-corrosion nickel-plated brass pins

04 Screw terminals

05 Snap-on device with stainless steel spring to speed up cabling operations

06 Body in halogen-free materials, with high mechanical and UV rays resistance

07 Tulip external cable clamp with cable gland function

Applications examples



Building construction site

PLUGS WITH PHASE INVERTER - IP44/IP54



Poles	h	Hz	Volt	Colour	16A		32A	
3P+E	6	50 60	380-415		**213.1636RV**	10/50	**213.3236RV**	10/40
3P+N+E	6	50 60	346-415		**213.1637RV**	10/50	**213.3237RV**	10/40



IP: IP44/IP54

PLUGS WITH PHASE INVERTER - IP66/IP67/IP69

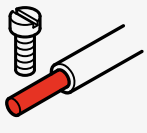


Poles	h	Hz	Volt	Colour	16A		32A	
3P+E	6	50 60	380-415		**218.1636RV**	10/40	**218.3236RV**	10/40
3P+N+E	6	50 60	346-415		**218.1637RV**	10/40	**218.3237RV**	10/40



IP: IP66/IP67/IP69

Terminals



screw terminals





OPTIMA-HD Series

OPTIMA-HD is a range of industrial plugs from 16A to 125A characterized by the use of specific technopolymers that give maximum resistance to impacts (IK10), to heat and fire (GW 960°C according to EN 60695-2-1), to atmospheric agents and UV rays

The OPTIMA-HD electric plugs are therefore suitable for use in harsh environments such as iron and steel industries, ports and mines.

The efficiency of the contacts over time is guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging, while the IP degree stability is ensured by the co-moulded gasket. Plugs fast to wire thanks to the opening of the body by means of a Snap-on steel spring mechanism and the screw terminals (16A-32A) or mantle terminals (63A-125A).

technical sheet **p. 744**

Technical information

Main characteristics



01 Unlosable co-moulded gasket

02 Ultra smooth anti-corrosion nickel-plated brass pins

03 2 different types of terminals: screw (16A-32A) or mantle (63A-125A)

04 Snap-on device with stainless steel spring to speed up cabling operations

05 Body in technopolymers with very high resistance to impact (IK10), to heat and fire (GW 960°C), to atmospheric agents and UV rays

06 Tulip external cable clamp with cable gland function

Applications examples



Shipyards - Container terminal



Heavy industry



Mining industry

PLUGS - IP66/IP67/IP69



Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	6	50 60	200-250		**218.1633.KX**	10/40	**218.3233.KX**	10/40
3P+E	3	50 60	380 50Hz / 440 60Hz				**218.32364.KX**	10/40
	6	50 60	380-415		**218.1636.KX**	10/40	**218.3236.KX**	10/40
	9	50 60	200-250		**218.1634.KX**	10/40	**218.3234.KX**	10/40
3P+N+E	6	50 60	346-415		**218.1637.KX**	10/40	**218.3237.KX**	10/40
	9	50 60	208-250		**218.1635.KX**	10/40	**218.3235.KX**	10/40

High impact resistance.
High heat and fire resistance.



IP: IP66/IP67/IP69



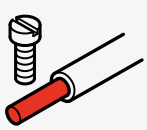
Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	6	50 60	200-250		**218.6333.KX**	6/24	**218.12533.KX**	1/8
3P+E	6	50 60	380-415		**218.6336.KX**	6/24	**218.12536.KX**	1/8
	11	60	440-460		**218.63365.KX**	6/24		
3P+N+E	6	50 60	346-415		**218.6337.KX**	6/24	**218.12537.KX**	1/8
	9	50 60	208-250		**218.6335.KX**	6/24	**218.12535.KX**	1/8

High impact resistance.
High heat and fire resistance.



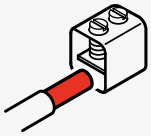
IP: IP66/IP67/IP69

Terminals



screw terminals





mantle terminals



Optimal connections for high currents



EUREKA Series

EUREKA is a range of 16A and 32A industrial plugs with 90° cable outlet.

The efficiency of the contacts over time is also guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging. Quick to wire thanks to the opening of the body by means of a Snap-on steel spring mechanism and screw terminals.

technical sheet **p. 730**

PLUGS - IP44 >> SCREW TERMINALS - ANGLED OUTLET



Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**221.1630**	10/100	**221.3230**	10/60
	6	50 60	200-250		**221.1633**	10/100	**221.3233**	10/60
3P+E	6	50 60	380-415		**221.1636**	10/100	**221.3236**	10/60
3P+N+E	6	50 60	346-415		**221.1637**	10/100	**221.3237**	10/50



IP: IP44

PLUGS - IP66/IP67 >> SCREW TERMINALS - ANGLED OUTLET



Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**226.1630**	10/100	**226.3230**	10/40
	6	50 60	200-250		**226.1633**	10/100	**226.3233**	10/40
3P+E	6	50 60	380-415		**226.1636**	10/100	**226.3236**	10/40
3P+N+E	6	50 60	346-415		**226.1637**	10/50	**226.3237**	10/40



IP: IP66/IP67



XENIA Series

XENIA is a range of 16A and 32A mobile industrial plugs with technopolymer monobloc body, screw terminals and external cable clamp.

technical sheet **p. 748**

PLUGS - IP44/IP54



Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**214.1630**	50	**214.3230**	25
	6	50 60	200-250		**214.1633**	50	**214.3233**	25
3P+E	6	50 60	380-415		**214.1636**	40	**214.3236**	25
3P+N+E	6	50 60	346-415		**214.1637**	30	**214.3237**	20



IP: IP44/IP54

Flush mounting appliance inlets



FLUSH MOUNTING APPLIANCE INLETS

OPTIMA SERIES
p. 38

Flush mounting appliance inlets



OPTIMA-REVERSE SERIES
p. 42

Flush mounting industrial appliance inlets with phase inverter



Applications: Construction site

EUREKA SERIES
p. 44

Flush mounting industrial appliance inlets 90° angled



INDUSTRIAL PLUGS AND SOCKETS

Flush mounting appliance inlets - Quick selection guide

					OPTIMA Series	OPTIMA-REVERSE Series	EUREKA Series
						 2 REVERSE	
					IP44/IP54	IP44/IP54	IP44
					SCREW WIRING	SCREW WIRING	SCREW WIRING
	Poles	Volt	Colour	h	Screw terminals	Screw terminals	Screw terminals
16A	2P+E	100-130V		4	243.1690		242.1690
		200-250V		6	243.1693 1		242.1693
		380-415V		9	243.1698		242.1698
	3P+E	100-130V		4	243.1691		242.1691
		380-415V		6	243.1696 1	243.1696RV	242.1696
		200-250V		9	243.1694		242.1694
	3P+N+E	100-130V		4	243.1692		242.1692
		346-415V		6	243.1697 1	243.1697RV	242.1697
		208-250V		9	243.1695		242.1695
					Screw terminals	Screw terminals	Screw terminals
32A	2P+E	100-130V		4	243.3290		242.3290
		200-250V		6	243.3293 1		242.3293
		380-415V		9	243.3298		242.3298
	3P+E	100-130V		4	243.3291		242.3291
		380-415V		6	243.3296 1	243.3296RV	242.3296
		200-250V		9	243.3294		242.3294
	3P+N+E	100-130V		4	243.3292		242.3292
		346-415V		6	243.3297 1	243.3297RV	242.3297
		208-250V		9	243.3295		242.3295
					Mantle terminals		
63A	2P+E	200-250V		6	243.6393 1		
		380-415V		9	243.6398		
	3P+E	380-415V		6	243.6396 1		
		200-250V		9	243.6394		
	3P+N+E	346-415V		6	243.6397 1		
		208-250V		9	243.6395		
125A	2P+E	200-250V		6			
		380-415V		9			
	3P+E	380-415V		6			
		200-250V		9			
	3P+N+E	346-415V		6			
		208-250V		9			

Special versions





1 Black colour - Add ".K" at the end of the catalogue number (ie. 243.1693.K).

OPTIMA Series	OPTIMA-REVERSE Series	EUREKA Series
	 [2] REVERSE	
IP66/IP67/IP69	IP66/IP67/IP69	IP66/IP67
SCREW WIRING	SCREW WIRING	SCREW WIRING
Screw terminals	Screw terminals	Screw terminals
248.1690		247.1690
248.1693 [1]		247.1693
248.1698		247.1698
248.1691		247.1691
248.1696 [1]	248.1696RV	247.1696
248.1694		247.1694
248.1692		247.1692
248.1697 [1]	248.1697RV	247.1697
248.1695		247.1695
Screw terminals	Screw terminals	Screw terminals
248.3290		247.3290
248.3293 [1]		247.3293
248.3298		247.3298
248.3291		247.3291
248.3296 [1]	248.3296RV	247.3296
248.3294		247.3294
248.3292		247.3292
248.3297 [1]	248.3297RV	247.3297
248.3295		247.3295
Mantle terminals		
248.6393 [1]		
248.6398		
248.6396 [1]		
248.6394		
248.6397 [1]		
248.6395		
248.12593 [1]		
248.12598		
248.12596 [1]		
248.12594		
248.12597 [1]		
248.12595		

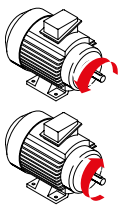
Terminals





Optimal connections for high currents

Operating principle of the phase inverter





[2] Phase inversion is obtained simply by pushing and turning with a screwdriver the support where the two phase pins are mounted.



OPTIMA Series

OPTIMA is a complete range of flush mounting industrial appliance inlets from 16A up to 125A

Robust and safe industrial inlets thanks to the use of high performance technopolymer enclosures. The inlets of the OPTIMA series are available with multiple types of terminals (screw type for currents up to 32A and mantle type in the 63 and 125A versions) to always guarantee the best connection according to the type of use and the wiring needs. The efficiency of the contacts over time is also guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging. The unloseable co-moulded gasket is a guarantee of a constant seal of the IP protection degree. The OPTIMA Series inlets do not neglect the environmental aspect, being produced with halogen-free materials.

technical sheet **p. 734**

Technical information

Main characteristics





01 Unlosable co-moulded gasket

02 Ultra smooth anti-corrosion nickel-plated brass pins

03 Snap-on device with stainless steel spring to speed up disassembly operations and cabling checking, in applications with continuous vibrations and mechanical stresses

04 2 different types of terminals: screw (16A-32A) or mantle (63A-125A)

05 Body in halogen-free materials, with high mechanical and UV rays resistance

FLUSH MOUNTING APPLIANCE INLETS - IP44/IP54 >> SCREW TERMINALS - STRAIGHT OUTLET





IP: IP44/IP54
Flange: 75X75MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**243.1690**	10/50	**243.3290**	10/50
	6	50 60	200-250		**243.1693**[1)]	10/50	**243.3293**[1)]	10/50
	9	50 60	380-415		**243.1698**	10/50	**243.3298**	10/50
3P+E	3	50 60	380 50Hz / 440 60Hz		**243.16964**	10/50	**243.32964**	10/50
	4	50 60	100-130		**243.1691**	10/50	**243.3291**	10/50
	6	50 60	380-415		**243.1696**[1)]	10/50	**243.3296**[1)]	10/50
	9	50 60	200-250		**243.1694**	10/50	**243.3294**	10/50
	11	60	440-460		**243.16965**	10/50	**243.32965**	10/50
3P+N+E	3	50 60	380 50Hz / 440 60Hz		**243.16974**	10/50	**243.32974**	10/40
	4	50 60	100-130		**243.1692**	10/50	**243.3292**	10/40
	6	50 60	346-415		**243.1697**[1)]	10/50	**243.3297**[1)]	10/40
	9	50 60	208-250		**243.1695**	10/50	**243.3295**	10/40
	11	60	440-460		**243.16975**	10/50	**243.32975**	10/40

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING APPLIANCE INLETS - IP44/IP54 >> MANTLE TERMINALS - STRAIGHT OUTLET





IP: IP44/IP54
Flange: 100X110MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**243.63932**	10
	3	DC	>50-250		**243.63934**	10
	4	50 60	100-130		**243.6390**	10
	6	50 60	200-250		**243.6393**[1)]	10
	7	50 60	480-500		**243.63936**	10
	8	DC	>250		**243.63938**	10
	9	50 60	380-415		**243.6398**	10
	10	100-300	>50		**243.63931**	10
	12	50 60	TST>50		**243.63933**	10
3P+E	2	>300-500	>50		**243.63962**	10
	3	50 60	380 50Hz / 440 60Hz		**243.63964**	10
	4	50 60	100-130		**243.6391**	10
	5	50 60	600-690		**243.63967**	10
	6	50 60	380-415		**243.6396**[1)]	10
	7	50 60	480-500		**243.63966**	10
	9	50 60	200-250		**243.6394**	10
	10	100-300	>50		**243.63961**	10
	11	60	440-460		**243.63965**	10
3P+N+E	2	>300-500	>50		**243.63972**	10
	3	50 60	380 50Hz / 440 60Hz		**243.63974**	10
	4	50 60	100-130		**243.6392**	10
	5	50 60	600-690		**243.63977**	10
	6	50 60	346-415		**243.6397**[1)]	10
	7	50 60	480-500		**243.63976**	10
	9	50 60	208-250		**243.6395**	10
	10	100-300	>50		**243.63971**	10
	11	60	440-460		**243.63975**	10

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

INDUSTRIAL PLUGS AND SOCKETS

Flush mounting appliance inlets

FLUSH MOUNTING APPLIANCE INLETS - IP66/IP67/IP69 >> SCREW TERMINALS - STRAIGHT OUTLET





IP: IP66/IP67/IP69
Flange: 75X75MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**248.16932**	10/50	**248.32932**	10/50
	3	DC	>50-250		**248.16934**	10/50	**248.32934**	10/50
	4	50 60	100-130		**248.1690**	10/50	**248.3290**	10/50
	6	50 60	200-250		**248.1693**[1)]	10/50	**248.3293**[1)]	10/50
	7	50 60	480-500		**248.16936**	10/50	**248.32936**	10/50
	8	DC	>250		**248.16938**	10/50	**248.32938**	10/50
	9	50 60	380-415		**248.1698**	10/50	**248.3298**	10/50
	10	100-300	>50		**248.16931**	10/50	**248.32931**	10/50
	12	50 60	TST>50		**248.16933**	10/50	**248.32933**	10/50
3P+E	2	>300-500	>50		**248.16962**	10/50	**248.32962**	10/50
	3	50 60	380 50Hz / 440 60Hz		**248.16964**	10/50	**248.32964**	10/50
	4	50 60	100-130		**248.1691**	10/50	**248.3291**	10/50
	5	50 60	600-690		**248.16967**	10/50	**248.32967**	10/50
	6	50 60	380-415		**248.1696**[1)]	10/50	**248.3296**[1)]	10/50
	7	50 60	480-500		**248.16966**	10/50	**248.32966**	10/50
	9	50 60	200-250		**248.1694**	10/50	**248.3294**	10/50
	10	100-300	>50		**248.16961**	10/50	**248.32961**	10/50
	11	60	440-460		**248.16965**	10/50	**248.32965**	10/50
3P+N+E	2	>300-500	>50		**248.16972**	10/50	**248.32972**	10/40
	3	50 60	380 50Hz / 440 60Hz		**248.16974**	10/50	**248.32974**	10/40
	4	50 60	100-130		**248.1692**	10/50	**248.3292**	10/40
	5	50 60	600-690		**248.16977**	10/50	**248.32977**	10/40
	6	50 60	346-415		**248.1697**[1)]	10/50	**248.3297**[1)]	10/40
	7	50 60	480-500		**248.16976**	10/50	**248.32976**	10/40
	9	50 60	208-250		**248.1695**	10/50	**248.3295**	10/40
	10	100-300	>50		**248.16971**	10/50	**248.32971**	10/40
	11	60	440-460		**248.16975**	10/50	**248.32975**	10/40

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING APPLIANCE INLETS - IP66/IP67/IP69 >> MANTLE TERMINALS - STRAIGHT OUTLET





IP: IP66/IP67/IP69
Flange: 100X110MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		248.63932	10
	3	DC	>50-250		248.63934	10
	4	50 60	100-130		248.6390	10
	6	50 60	200-250		248.6393[1)]	10
	7	50 60	480-500		248.63936	10
	8	DC	>250		248.63938	10
	9	50 60	380-415		248.6398	10
	10	100-300	>50		248.63931	10
	12	50 60	TST>50		248.63933	10
3P+E	2	>300-500	>50		248.63962	10
	3	50 60	380 50Hz / 440 60Hz		248.63964	10
	4	50 60	100-130		248.6391	10
	5	50 60	600-690		248.63967	10
	6	50 60	380-415		248.6396[1)]	10
	7	50 60	480-500		248.63966	10
	9	50 60	200-250		248.6394	10
	10	100-300	>50		248.63961	10
	11	60	440-460		248.63965	10
3P+N+E	2	>300-500	>50		248.63972	10
	3	50 60	380 50Hz / 440 60Hz		248.63974	10
	4	50 60	100-130		248.6392	10
	5	50 60	600-690		248.63977	10
	6	50 60	346-415		248.6397[1)]	10
	7	50 60	480-500		248.63976	10
	9	50 60	208-250		248.6395	10
	10	100-300	>50		248.63971	10
	11	60	440-460		248.63975	10

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*





IP: IP66/IP67/IP69
Flange: 114X114MM

Poles	h	Hz	Volt	Colour	125A	
2P+E	2	>300-500	>50		248.125932	10
	3	DC	>50-250		248.125934	10
	4	50 60	100-130		248.12590	10
	6	50 60	200-250		248.12593[1)]	10
	7	50 60	480-500		248.125936	10
	8	DC	>250		248.125938	10
	9	50 60	380-415		248.12598	10
	10	100-300	>50		248.125931	10
	12	50 60	TST>50		248.125933	10
3P+E	2	>300-500	>50		248.125962	10
	3	50 60	380 50Hz / 440 60Hz		248.125964	10
	4	50 60	100-130		248.12591	10
	5	50 60	600-690		248.125967	10
	6	50 60	380-415		248.12596[1)]	10
	7	50 60	480-500		248.125966	10
	9	50 60	200-250		248.12594	10
	10	100-300	>50		248.125961	10
	11	60	440-460		248.125965	10
3P+N+E	2	>300-500	>50		248.125972	10
	3	50 60	380 50Hz / 440 60Hz		248.125974	10
	4	50 60	100-130		248.12592	10
	5	50 60	600-690		248.125977	10
	6	50 60	346-415		248.12597[1)]	10
	7	50 60	480-500		248.125976	10
	9	50 60	208-250		248.12595	10
	10	100-300	>50		248.125971	10
	11	60	440-460		248.125975	10

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*



OPTIMA-REVERSE Series

OPTIMA-REVERSE is a range of 16A and 32A flush mounting industrial inlets that allow the rapid reversal of two phases to restore the correct direction of rotation for three-phase motors of mobile and fixed loads.

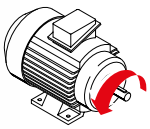
The inversion of the phases is done simply by pushing and turning with a screwdriver the support where the two phase pins are mounted. The efficiency of the contacts over time is guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging, while the IP degree stability is ensured by the co-moulded gasket. The OPTIMA-REVERSE Series inlets do not neglect the environmental aspect, being produced with halogen-free materials.

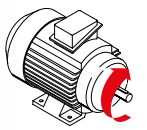
technical sheet **p. 742**

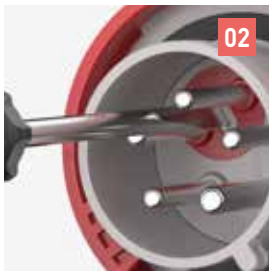
Technical information

Main characteristics











01 Unlosable co-moulded gasket

02 Phase inverter. Phase inversion is obtained simply by pushing and turning with a screwdriver the support where the two phase pins are mounted

03 Ultra smooth anti-corrosion nickel-plated brass pins

04 Snap-on device with stainless steel spring to speed up disassembly operations and cabling checking, in applications with continuous vibrations and mechanical stresses

05 Screw terminals

06 Body in halogen-free materials, with high mechanical and UV rays resistance

FLUSH MOUNTING APPLIANCE INLETS WITH PHASE INVERTER - IP44/IP54



Poles	h	Hz	Volt	Colour	16A		32A	
3P+E	6	50 60	380-415		**243.1696RV**	10/50	**243.3296RV**	10/50
3P+N+E	6	50 60	346-415		**243.1697RV**	10/50	**243.3297RV**	10/40



IP: IP44/IP54
Flange: 75X75MM

FLUSH MOUNTING APPLIANCE INLETS WITH PHASE INVERTER - IP66/IP67/IP69

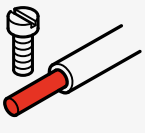


Poles	h	Hz	Volt	Colour	16A		32A	
3P+E	6	50 60	380-415		**248.1696RV**	10/50	**248.3296RV**	10/50
3P+N+E	6	50 60	346-415		**248.1697RV**	10/50	**248.3297RV**	10/40



IP: IP66/IP67/IP69
Flange: 75X75MM

Terminals

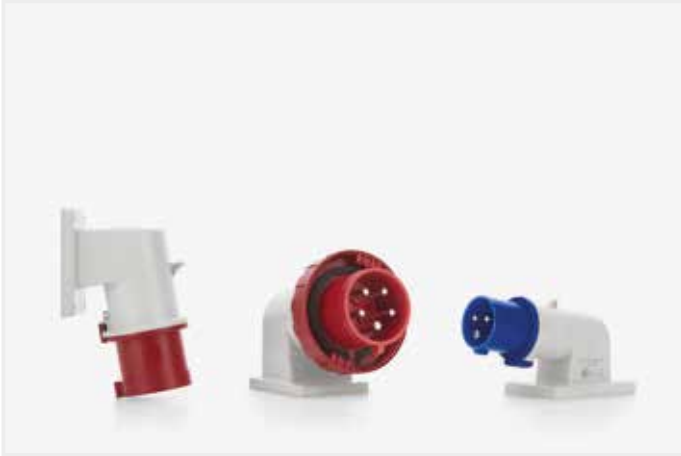


screw terminals



INDUSTRIAL PLUGS AND SOCKETS

Flush mounting appliance inlets



EUREKA Series

EUREKA is a range of 16A and 32A flush mounting industrial inlets with 90° angled cable outlet. The design of the inlet has the advantage of a reduced protrusion, thus preventing any damage due to accidental contacts.

The efficiency of the contacts over time is guaranteed by the use of nickel-plated brass pins resistant to oxidation and aging.

technical sheet **p. 730**

APPLIANCE INLETS - IP44





IP: IP44
Flange: 70X87MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**242.16932**	10/100	**242.32932**	10/60
	3	DC	>50-250		**242.16934**	10/100	**242.32934**	10/60
	4	50 60	100-130		**242.1690**	10/100	**242.3290**	10/60
	6	50 60	200-250		**242.1693**	10/100	**242.3293**	10/60
	7	50 60	480-500		**242.16936**	10/100	**242.32936**	10/60
	8	DC	>250		**242.16938**	10/100	**242.32938**	10/60
	9	50 60	380-415		**242.1698**	10/100	**242.3298**	10/60
	12	50 60	TST>50		**242.16933**	10/100	**242.32933**	10/60
3P+E	2	>300-500	>50		**242.16962**	10/100	**242.32962**	10/60
	3	50 60	380 50Hz / 440 60Hz		**242.16964**	10/100	**242.32964**	10/60
	4	50 60	100-130		**242.1691**	10/100	**242.3291**	10/60
	5	50 60	600-690		**242.16967**	10/100	**242.32967**	10/60
	6	50 60	380-415		**242.1696**	10/100	**242.3296**	10/60
	7	50 60	480-500		**242.16966**	10/100	**242.32966**	10/60
	9	50 60	200-250		**242.1694**	10/100	**242.3294**	10/60
	10	100-300	>50		**242.16961**	10/100	**242.32961**	10/60
	11	60	440-460		**242.16965**	10/100	**242.32965**	10/60
3P+N+E	2	>300-500	>50		**242.16972**	10/60	**242.32972**	10/40
	3	50 60	380 50Hz / 440 60Hz		**242.16974**	10/60	**242.32974**	10/40
	4	50 60	100-130		**242.1692**	10/60	**242.3292**	10/40
	5	50 60	600-690		**242.16977**	10/60	**242.32977**	10/40
	6	50 60	346-415		**242.1697**	10/60	**242.3297**	10/40
	7	50 60	480-500		**242.16976**	10/60	**242.32976**	10/40
	9	50 60	208-250		**242.1695**	10/60	**242.3295**	10/40
	11	60	440-460		**242.16975**	10/60	**242.32975**	10/40

APPLIANCE INLETS - IP66/IP67





IP: IP66/IP67
Flange: 70X87MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**247.16932**	10/100	**247.32932**	10/40
	3	DC	>50-250		**247.16934**	10/100	**247.32934**	10/40
	4	50 60	100-130		**247.1690**	10/100	**247.3290**	10/40
	6	50 60	200-250		**247.1693**	10/100	**247.3293**	10/40
	7	50 60	480-500		**247.16936**	10/100	**247.32936**	10/40
	8	DC	>250		**247.16938**	10/100	**247.32938**	10/40
	9	50 60	380-415		**247.1698**	10/100	**247.3298**	10/40
	12	50 60	TST>50		**247.16933**	10/100	**247.32933**	10/40
3P+E	2	>300-500	>50		**247.16962**	10/60	**247.32962**	10/40
	3	50 60	380 50Hz / 440 60Hz		**247.16964**	10/60	**247.32964**	10/40
	4	50 60	100-130		**247.1691**	10/60	**247.3291**	10/40
	5	50 60	600-690		**247.16967**	10/60	**247.32967**	10/40
	6	50 60	380-415		**247.1696**	10/60	**247.3296**	10/40
	7	50 60	480-500		**247.16966**	10/60	**247.32966**	10/40
	9	50 60	200-250		**247.1694**	10/60	**247.3294**	10/40
	10	100-300	>50		**247.16961**	10/60	**247.32961**	10/40
	11	60	440-460		**247.16965**	10/60	**247.32965**	10/40
3P+N+E	2	>300-500	>50		**247.16972**	10/50	**247.32972**	10/40
	3	50 60	380 50Hz / 440 60Hz		**247.16974**	10/50	**247.32974**	10/40
	4	50 60	100-130		**247.1692**	10/50	**247.3292**	10/40
	5	50 60	600-690		**247.16977**	10/50	**247.32977**	10/40
	6	50 60	346-415		**247.1697**	10/50	**247.3297**	10/40
	7	50 60	480-500		**247.16976**	10/50	**247.32976**	10/40
	9	50 60	208-250		**247.1695**	10/50	**247.3295**	10/40
	11	60	440-460		**247.16975**	10/50	**247.32975**	10/40

Surface mounting appliance inlets



SURFACE MOUNTING APPLIANCE INLETS

OPTIMA SERIES
p. 50

Surface mounting industrial appliance inlets



OPTIMA-REVERSE SERIES
p. 54

Surface mounting industrial appliance inlets with phase inverter



Applications: Construction site

OPTIMA-TOP SERIES
p. 56

Surface mounting industrial appliance inlets with reversible base



INDUSTRIAL PLUGS AND SOCKETS

Surface mounting appliance inlets - Quick selection guide

					OPTIMA Series	OPTIMA-REVERSE Series	OPTIMA-TOP Series
						 [1] REVERSE	
					IP44/IP54	IP44/IP54	IP44/IP54
					SCREW WIRING	SCREW WIRING	SCREW WIRING
	Poles	Volt	Colour	h	Screw terminals	Screw terminals	
16A	2P+E	100-130V		4	240.1690		
		200-250V		6	240.1693		
		380-415V		9	240.1698		
	3P+E	100-130V		4	240.1691		
		380-415V		6	240.1696	240.1696RV	
		200-250V		9	240.1694		
	3P+N+E	100-130V		4	240.1692		
		346-415V		6	240.1697	240.1697RV	
		208-250V		9	240.1695		
					Screw terminals	Screw terminals	
32A	2P+E	100-130V		4	240.3290		
		200-250V		6	240.3293		
		380-415V		9	240.3298		
	3P+E	100-130V		4	240.3291		
		380-415V		6	240.3296	240.3296RV	
		200-250V		9	240.3294		
	3P+N+E	100-130V		4	240.3292		
		346-415V		6	240.3297	240.3297RV	
		208-250V		9	240.3295		
							Mantle terminals
63A	2P+E	200-250V		6			240.6393T
		380-415V		9			240.6398T
	3P+E	380-415V		6			240.6396T
		200-250V		9			240.6394T
	3P+N+E	346-415V		6			240.6397T
		208-250V		9			240.6395T
125A	2P+E	200-250V		6			
		380-415V		9			
	3P+E	380-415V		6			
		200-250V		9			
	3P+N+E	346-415V		6			
		208-250V		9			

OPTIMA Series	OPTIMA-REVERSE Series	OPTIMA-TOP Series
	 [1] REVERSE	
IP66/IP67/IP69	IP66/IP67/IP69	IP66/IP67/IP69
SCREW WIRING	SCREW WIRING	
Screw terminals	Screw terminals	
245.1690		
245.1693		
245.1698		
245.1691		
245.1696	245.1696RV	
245.1694		
245.1692		
245.1697	245.1697RV	
245.1695		
Screw terminals	Screw terminals	
245.3290		
245.3293		
245.3298		
245.3291		
245.3296	245.3296RV	
245.3294		
245.3292		
245.3297	245.3297RV	
245.3295		
		Mantle terminals
		245.6393T
		245.6398T
		245.6396T
		245.6394T
		245.6397T
		245.6395T
		245.12593T
		245.12598T
		245.12596T
		245.12594T
		245.12597T
		245.12595T

Terminals





Optimal connections for high currents

Operating principle of the phase inverter



[1] Phase inversion is obtained simply by pushing and turning with a screwdriver the support where the two phase pins are mounted.

Surface mounting appliance inlets



OPTIMA Series

OPTIMA is a range of surface mounting industrial inlets 16A and 32A.

Robust and safe industrial inlets thanks to the use of high performance halogen-free technopolymer enclosures.

Practical thanks to the use of screw terminals and the metric threaded entry on the upper side.

The efficiency of the contacts over time is also guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging. The unlosable co-moulded gasket guarantees a constant seal of the IP protection degree.

technical sheet **p. 734**

Technical information

Main characteristics





01 Unlosable co-moulded gasket

02 Ultra smooth anti-corrosion nickel-plated brass pins

03 Snap-on device with stainless steel spring to speed up disassembly operations and cabling checking, in applications with continuous vibrations and mechanical stresses

04 Screw terminals

05 Body in halogen-free materials, with high mechanical and UV rays resistance

06 Slotted external fixing points

07 Threaded cable entry with cap

Applications examples

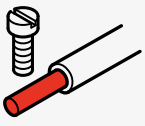


Industry



Building construction site

Terminals



screw terminals



INDUSTRIAL PLUGS AND SOCKETS

Surface mounting appliance inlets

SURFACE MOUNTING APPLIANCE INLETS - IP44/IP54 >> SCREW TERMINALS - ANGLED BOX





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**240.1690**	10	**240.3290**	10
	6	50 60	200-250		**240.1693**	10	**240.3293**	10
	9	50 60	380-415		**240.1698**	10	**240.3298**	10
3P+E	3	50 60	380 50Hz / 440 60Hz		**240.16964**	10	**240.32964**	10
	4	50 60	100-130		**240.1691**	10	**240.3291**	10
	6	50 60	380-415		**240.1696**	10	**240.3296**	10
	9	50 60	200-250		**240.1694**	10	**240.3294**	10
	11	60	440-460		**240.16965**	10	**240.32965**	10
3P+N+E	3	50 60	380 50Hz / 440 60Hz		**240.16974**	10	**240.32974**	10
	4	50 60	100-130		**240.1692**	10	**240.3292**	10
	6	50 60	346-415		**240.1697**	10	**240.3297**	10
	9	50 60	208-250		**240.1695**	10	**240.3295**	10
	11	60	440-460		**240.16975**	10	**240.32975**	10

Open threaded cable entry.
Rubber threaded cable sleeve included.

SURFACE MOUNTING APPLIANCE INLETS - IP44/IP54 >> SCREW TERMINALS - ANGLED BOX - CAMPING





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**240.1690-C**	10	**240.3290-C**	10
	6	50 60	200-250		**240.1693-C**	10	**240.3293-C**	10
3P+E	6	50 60	380-415		**240.1696-C**	10	**240.3296-C**	10
3P+N+E	6	50 60	346-415		**240.1697-C**	10	**240.3297-C**	10

Open threaded cable entry.
Rubber threaded cable sleeve included.

Applications examples



Camping

SURFACE MOUNTING APPLIANCE INLETS - IP66/IP67/IP69 >> SCREW TERMINALS - ANGLED BOX





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**245.16932**	10	**245.32932**	10
	3	DC	>50-250		**245.16934**	10	**245.32934**	10
	4	50 60	100-130		**245.1690**	10	**245.3290**	10
	6	50 60	200-250		**245.1693**	10	**245.3293**	10
	7	50 60	480-500		**245.16936**	10	**245.32936**	10
	8	DC	>250		**245.16938**	10	**245.32938**	10
	9	50 60	380-415		**245.1698**	10	**245.3298**	10
	10	100-300	>50		**245.16931**	10	**245.32931**	10
	12	50 60	TST>50		**245.16933**	10	**245.32933**	10
3P+E	2	>300-500	>50		**245.16962**	10	**245.32962**	10
	3	50 60	380 50Hz / 440 60Hz		**245.16964**	10	**245.32964**	10
	4	50 60	100-130		**245.1691**	10	**245.3291**	10
	5	50 60	600-690		**245.16967**	10	**245.32967**	10
	6	50 60	380-415		**245.1696**	10	**245.3296**	10
	7	50 60	480-500		**245.16966**	10	**245.32966**	10
	9	50 60	200-250		**245.1694**	10	**245.3294**	10
	10	100-300	>50		**245.16961**	10	**245.32961**	10
	11	60	440-460		**245.16965**	10	**245.32965**	10
3P+N+E	2	>300-500	>50		**245.16972**	10	**245.32972**	10
	3	50 60	380 50Hz / 440 60Hz		**245.16974**	10	**245.32974**	10
	4	50 60	100-130		**245.1692**	10	**245.3292**	10
	5	50 60	600-690		**245.16977**	10	**245.32977**	10
	6	50 60	346-415		**245.1697**	10	**245.3297**	10
	7	50 60	480-500		**245.16976**	10	**245.32976**	10
	9	50 60	208-250		**245.1695**	10	**245.3295**	10
	10	100-300	>50		**245.16971**	10	**245.32971**	10
	11	60	440-460		**245.16975**	10	**245.32975**	10

Open threaded cable entry.
Cable gland included.
Threaded break-through knock out.



OPTIMA-REVERSE Series

OPTIMA-REVERSE is a range of surface mounting industrial inlets 16 and 32A that allow the rapid inversion of two phases to restore the correct direction of rotation for three-phase motors of mobile and fixed users, simply by pushing and turning with a screwdriver the support where the two phase pins are mounted.

Practical thanks to the use of screw terminals and the metric threaded entry on the upper side

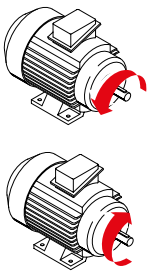
The efficiency of the contacts over time is guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging, while the IP degree stability is ensured by the co-moulded gasket.

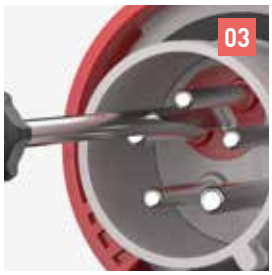
technical sheet **p. 742**

Technical information

Main characteristics









01 Unlosable co-moulded gasket

02 Ultra smooth anti-corrosion nickel-plated brass pins

03 Phase inverter. Phase inversion is obtained simply by pushing and turning with a screwdriver the support where the two phase pins are mounted

04 Snap-on device with stainless steel spring to speed up cabling disassembly and verification operations, in applications with continuous vibrations and mechanical stresses.

05 Screw terminals

06 Body in halogen-free materials, with high mechanical and UV rays resistance

07 Slotted external fixing points

08 Threaded cable entry with cap

Applications examples



Building construction site

FLUSH MOUNTING APPLIANCE INLETS WITH PHASE INVERTER - IP44/IP54



Poles	h	Hz	Volt	Colour	16A		32A	
3P+E	6	50 60	380-415		**240.1696RV**	10	**240.3296RV**	10
3P+N+E	6	50 60	346-415		**240.1697RV**	10	**240.3297RV**	10

Open threaded cable entry.
Rubber threaded cable sleeve included.



IP: IP44/IP54

FLUSH MOUNTING APPLIANCE INLETS WITH PHASE INVERTER - IP66/IP67/IP69



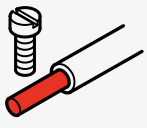
Poles	h	Hz	Volt	Colour	16A		32A	
3P+E	6	50 60	380-415		**245.1696RV**	10	**245.3296RV**	10
3P+N+E	6	50 60	346-415		**245.1697RV**	10	**245.3297RV**	10

Open threaded cable entry.
Cable gland included.
Threaded break-through knock out.



IP: IP66/IP67/IP69

Terminals



screw terminals





OPTIMA-TOP Series

OPTIMA-TOP is a range surface mounting industrial inlets 63A and 125A.

Robust and safe industrial inlets thanks to the use of high performance halogen-free technopolymer enclosures.

Practical thanks to the use of mantle terminals, to the reversible base with threaded metric entries on the upper and lower side and to the removable device to ease wiring operations.

The efficiency of the contacts over time is guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging, while the IP degree stability is ensured by the co-moulded gasket.

technical sheet **p. 736**

Technical information

Main characteristics



01 Unlosable co-moulded gasket
02 Ultra smooth anti-corrosion nickel-plated brass pins
03 Mantle terminals
04 Removable socket outlet
05 Blank side with drilling point marks
06 Body in halogen-free materials, with high mechanical and UV rays resistance
07 Reversible base
08 External fixing points
09 Open threaded cable entry.
10 Cap and cable gland supplied

Applications examples

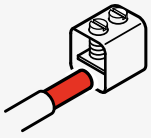


Industry



Industry

Terminals





mantle terminals

Optimal connections for high currents

INDUSTRIAL PLUGS AND SOCKETS

Surface mounting appliance inlets

SURFACE MOUNTING APPLIANCE INLETS - IP44/IP54





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**240.63932T**	4
	3	DC	>50-250		**240.63934T**	4
	4	50 60	100-130		**240.6390T**	4
	6	50 60	200-250		**240.6393T**	4
	7	50 60	480-500		**240.63936T**	4
	8	DC	>250		**240.63938T**	4
	9	50 60	380-415		**240.6398T**	4
	10	100-300	>50		**240.63931T**	4
	12	50 60	TST>50		**240.63933T**	4
3P+E	2	>300-500	>50		**240.63962T**	4
	3	50 60	380 50Hz / 440 60Hz		**240.63964T**	4
	4	50 60	100-130		**240.6391T**	4
	5	50 60	600-690		**240.63967T**	4
	6	50 60	380-415		**240.6396T**	4
	7	50 60	480-500		**240.63966T**	4
	9	50 60	200-250		**240.6394T**	4
	10	100-300	>50		**240.63961T**	4
	11	60	440-460		**240.63965T**	4
3P+N+E	2	>300-500	>50		**240.63972T**	4
	3	50 60	380 50Hz / 440 60Hz		**240.63974T**	4
	4	50 60	100-130		**240.6392T**	4
	5	50 60	600-690		**240.63977T**	4
	6	50 60	346-415		**240.6397T**	4
	7	50 60	480-500		**240.63976T**	4
	9	50 60	208-250		**240.6395T**	4
	10	100-300	>50		**240.63971T**	4
	11	60	440-460		**240.63975T**	4

Open threaded cable entry.
Cable gland included.
Threaded break-through knock out.
Threaded cap/cable sleeve included.

SURFACE MOUNTING APPLIANCE INLETS - IP66/IP67





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	2	>300-500	>50		**245.63932T**	4	**245.125932T**	1/4
	3	DC	>50-250		**245.63934T**	4	**245.125934T**	1/4
	4	50 60	100-130		**245.6390T**	4	**245.12590T**	1/4
	6	50 60	200-250		**245.6393T**	4	**245.12593T**	1/4
	7	50 60	480-500		**245.63936T**	4	**245.125936T**	1/4
	8	DC	>250		**245.63938T**	4	**245.125938T**	1/4
	9	50 60	380-415		**245.6398T**	4	**245.12598T**	1/4
	10	100-300	>50		**245.63931T**	4	**245.125931T**	1/4
	12	50 60	TST>50		**245.63933T**	4	**245.125933T**	1/4
3P+E	2	>300-500	>50		**245.63962T**	4	**245.125962T**	1/4
	3	50 60	380 50Hz / 440 60Hz		**245.63964T**	4	**245.125964T**	1/4
	4	50 60	100-130		**245.6391T**	4	**245.12591T**	1/4
	5	50 60	600-690		**245.63967T**	4	**245.125967T**	1/4
	6	50 60	380-415		**245.6396T**	4	**245.12596T**	1/4
	7	50 60	480-500		**245.63966T**	4	**245.125966T**	1/4
	9	50 60	200-250		**245.6394T**	4	**245.12594T**	1/4
	10	100-300	>50		**245.63961T**	4	**245.125961T**	1/4
	11	60	440-460		**245.63965T**	4	**245.125965T**	1/4
3P+N+E	2	>300-500	>50		**245.63972T**	4	**245.125972T**	1/4
	3	50 60	380 50Hz / 440 60Hz		**245.63974T**	4	**245.125974T**	1/4
	4	50 60	100-130		**245.6392T**	4	**245.12592T**	1/4
	5	50 60	600-690		**245.63977T**	4	**245.125977T**	1/4
	6	50 60	346-415		**245.6397T**	4	**245.12597T**	1/4
	7	50 60	480-500		**245.63976T**	4	**245.125976T**	1/4
	9	50 60	208-250		**245.6395T**	4	**245.12595T**	1/4
	10	100-300	>50		**245.63971T**	4	**245.125971T**	1/4
	11	60	440-460		**245.63975T**	4	**245.125975T**	1/4

Open threaded cable entry.
Cable gland included.
Threaded cap/cable sleeve included.



CONNECTORS

OPTIMA SERIES
p. 64

Fast wiring industrial connectors with external cable clamp



OPTIMA-HD SERIES
p. 72

Fast wiring industrial connectors for heavy duty applications



Applications: Shipyard - Commercial Port | Container Terminal | Heavy Industry | Chemical Industry | Quarry | Mines

EUREKA SERIES
p. 74

Industrial connectors with 90° angled cable outlet



XENIA SERIES
p. 75

Industrial connectors with monobloc body



INDUSTRIAL PLUGS AND SOCKETS

Connectors - Quick selection guide

					OPTIMA Series		OPTIMA Series	EUREKA Series	XENIA Series
							 [3] SAFE-IN		
					IP44/IP54		IP44/IP54	IP44	IP44/IP54
					SCREW WIRING	FAST WIRING	SCREW WIRING	SCREW WIRING	SCREW WIRING
	Poles	Volt	Colour	h	Screw terminals	Perforating terminals	Screw terminals	Screw terminals	Screw terminals
16A	2P+E	100-130V		4	313.1640 [2]	313.1640P [2]	313.1640H	321.1640	314.1640
		200-250V		6	313.1643 [1] [2]	313.1643P [1] [2]	313.1643H [1]	321.1643	314.1643
		380-415V		9	313.1648	313.1648P	313.1648H		
	3P+E	100-130V		4	313.1641				
		380-415V		6	313.1646 [1]	313.1646P [1]	313.1646H [1]	321.1646	314.1646
		200-250V		9	313.1644	313.1644P	313.1644H		
	3P+N+E	100-130V		4	313.1642				
		346-415V		6	313.1647 [1]	313.1647P [1]	313.1647H [1]	321.1647	314.1647
		208-250V		9	313.1645				
					Screw terminals	Spring terminals		Screw terminals	Screw terminals
32A	2P+E	100-130V		4	313.3240	313.3240F		321.3240	314.3240
		200-250V		6	313.3243 [1]	313.3243F [1]		321.3243	314.3243
		380-415V		9	313.3248	313.3248F			
	3P+E	100-130V		4	313.3241				
		380-415V		6	313.3246 [1]	313.3246F [1]		321.3246	314.3246
		200-250V		9	313.3244	313.3 244F			
	3P+N+E	100-130V		4	313.3242				
		346-415V		6	313.3247 [1]	313.3247F [1]		321.3247	314.3247
		208-250V		9	313.3245				
					Mantle terminals				
63A	2P+E	200-250V		6	313.6343 [1]				
		380-415V		9	313.6348				
	3P+E	380-415V		6	313.6346 [1]				
		200-250V		9	313.6344				
	3P+N+E	346-415V		6	313.6347 [1]				
		208-250V		9	313.6345				
125A	2P+E	200-250V		6					
		380-415V		9					
	3P+E	380-415V		6					
		200-250V		9					
	3P+N+E	346-415V		6					
		208-250V		9					

Special versions





[1] Black colour - Add ".K" at the end of the catalogue number (ie. 313.1643.K).





[2] Transparent handle - Add ".TR" at the end of the catalogue number (ie. 313.1643.TR).

OPTIMA Series		OPTIMA Series	OPTIMA-HD Series	EUREKA Series
		 [3] SAFE-IN		
IP66/IP67/IP69		IP66/IP67/IP69	IP66/IP67/IP69	IP66/IP67
SCREW WIRING	FAST WIRING	SCREW WIRING	SCREW WIRING	SCREW WIRING
Screw terminals	Perforating terminals	Screw terminals	Screw terminals	Screw terminals
318.1640 [2]	318.1640P [2]	318.1640H		326.1640
318.1643 [1] [2]	318.1643P [1] [2]	318.1643H [1]	318.1643.KX	326.1643
318.1648	318.1648P	318.1648H		
318.1641				
318.1646 [1]	318.1646P [1]	318.1646H [1]	318.1646.KX	326.1646
318.1644	318.1644P	318.1644H		
318.1642				
318.1647 [1]	318.1647P [1]	318.1647H [1]	318.1647.KX	326.1647
318.1645				
Screw terminals	Spring terminals		Screw terminals	Screw terminals
318.3240	318.3240F			326.3240
318.3243 [1]	318.3243F [1]		318.3243.KX	326.3243
318.3248	318.3248F			
318.3241				
318.3246	318.3246F [1]		318.3246.KX	326.3246
318.3244	318.3244F			
318.3242				
318.3247	318.3247F [1]		318.3247.KX	326.3247
318.3245				
Mantle terminals			Mantle terminals	
318.6343 [1]			318.6343.KX	
318.6348				
318.6346 [1]			318.6346.KX	
318.6344				
318.6347 [1]			318.6347.KX	
318.6345				
318.12543 [1]			318.12543.KX	
318.12548				
318.12546 [1]			318.12546.KX	
318.12544				
318.12547 [1]			318.12547.KX	
318.12545				

Terminals


screw terminals


spring terminals

FAST WIRING - Anti vibrations

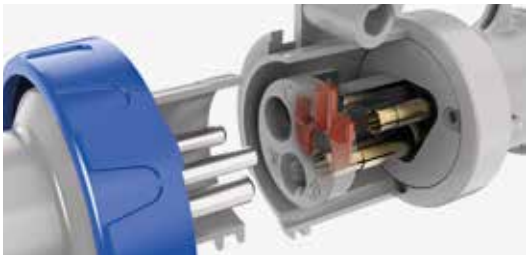

insulation perforating terminals

FAST WIRING


mantle terminals

Optimal connections for high currents

[3] The "SAFE-IN" safety device



The "**SAFE-IN**" safety device, assembled on specific versions of the 16A industrial sockets of the OPTIMA Series, works like the protection installed on household sockets: by means of an appropriate shutter, it closes the input of the socket contact tubes and prevents accidental and voluntary contact of live parts of the socket with slim objects, such as screwdrivers or wires. This protection offers an additional safety guarantee, in addition to that already provided by the spring-loaded cover assembled on the sockets.



OPTIMA Series

OPTIMA is a complete range of industrial connectors from 16A to 125A, robust and safe thanks to the use of high performance technopolymer halogen-free bodies and to the external cable gland with cable clamp function. Fast to wire thanks to the opening of the body by means of a Snap-on steel spring mechanism, the OPTIMA Series electrical connectors are available with multiple types of terminals to always guarantee the best connection according to the type of use and wiring requirements.

The SAFE-IN versions are equipped with protective shutters on the contact tubes so to prevent harmful contact with live parts, adding further safety in case of installation in places with unqualified users.

technical sheet **p. 734**

Technical information

Main characteristics







01 Clear indication of open or closed position

02 Unlosable co-moulded gasket

03 4 different types of terminals: screw (16A-32A), insulation perforating (16A), spring (16A-32A), mantle (63A-125A)

04 Snap-on device with stainless steel spring to speed up cabling operations

05 Body in halogen-free materials, with high mechanical and UV rays resistance

06 Tulip external cable clamp with cable gland function

Special versions



Black colour

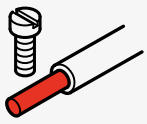




Transparent handle

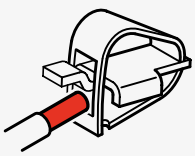


Terminals



screw terminals

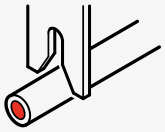




spring terminals



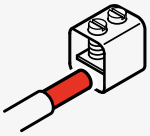
FAST WIRING - Anti vibrations



insulation perforating terminals



FAST WIRING



mantle terminals



Optimal connections for high currents

CONNECTORS - IP44/IP54 >> SCREW TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**313.16432**	10/50	**313.32432**	10/40
	3	DC	>50-250		**313.16434**	10/50	**313.32434**	10/40
	4	50 60	100-130		**313.1640** [1]	10/50	**313.3240**	10/40
	6	50 60	200-250		**313.1643** [1] [2]	10/50	**313.3243** [2]	10/40
	7	50 60	480-500		**313.16436**	10/50	**313.32436**	10/40
	8	DC	>250		**313.16438**	10/50	**313.32438**	10/40
	9	50 60	380-415		**313.1648**	10/50	**313.3248**	10/40
	10	100-300	>50		**313.16431**	10/50	**313.32431**	10/40
	12	50 60	TST>50		**313.16433**	10/50	**313.32433**	10/40
3P+E	2	>300-500	>50		**313.16462**	10/50	**313.32462**	10/40
	3	50 60	380 50Hz / 440 60Hz		**313.16464**	10/50	**313.32464**	10/40
	4	50 60	100-130		**313.1641**	10/50	**313.3241**	10/40
	5	50 60	600-690		**313.16467**	10/50	**313.32467**	10/40
	6	50 60	380-415		**313.1646** [2]	10/50	**313.3246** [2]	10/40
	7	50 60	480-500		**313.16466**	10/50	**313.32466**	10/40
	9	50 60	200-250		**313.1644**	10/50	**313.3244**	10/40
	10	100-300	>50		**313.16461**	10/50	**313.32461**	10/40
	11	60	440-460		**313.16465**	10/50	**313.32465**	10/40
3P+N+E	2	>300-500	>50		**313.16472**	10/50	**313.32472**	10/40
	3	50 60	380 50Hz / 440 60Hz		**313.16474**	10/50	**313.32474**	10/40
	4	50 60	100-130		**313.1642**	10/50	**313.3242**	10/40
	5	50 60	600-690		**313.16477**	10/50	**313.32477**	10/40
	6	50 60	346-415		**313.1647** [2]	10/50	**313.3247** [2]	10/40
	7	50 60	480-500		**313.16476**	10/50	**313.32476**	10/40
	9	50 60	208-250		**313.1645**	10/50	**313.3245**	10/40
	10	100-300	>50		**313.16471**	10/50	**313.32471**	10/40
	11	60	440-460		**313.16475**	10/50	**313.32475**	10/40

[1] *Version also available with transparent handle; just add ".TR" at the end of the catalogue number.*
[2] *Version also available in black; just add ".K" at the end of the catalogue number.*

CONNECTORS - IP44/IP54 >> PERFORATING TERMINALS





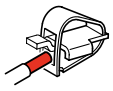
IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**313.1640P** [1]	10/50
	6	50 60	200-250		**313.1643P** [1] [2]	10/50
	9	50 60	380-415		**313.1648P**	10/50
3P+E	6	50 60	380-415		**313.1646P** [2]	10/50
	9	50 60	200-250		**313.1644P**	10/50
3P+N+E	6	50 60	346-415		**313.1647P** [2]	10/50

[1] *Version also available with transparent handle; just add ".TR" at the end of the catalogue number.*
[2] *Version also available in black; just add ".K" at the end of the catalogue number.*

CONNECTORS - IP44/IP54 >> SPRING TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	32A	
2P+E	4	50 60	100-130		**313.3240F**	10/40
	6	50 60	200-250		**313.3243F**[1)]	10/40
	9	50 60	380-415		**313.3248F**	10/40
3P+E	6	50 60	380-415		**313.3246F**[1)]	10/40
	9	50 60	200-250		**313.3244F**	10/40
3P+N+E	6	50 60	346-415		**313.3247F**[1)]	10/40

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

CONNECTORS - IP44/IP54 >> MANTLE TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**313.63432**	6/24
	3	DC	>50-250		**313.63434**	6/24
	4	50 60	100-130		**313.6340**	6/24
	6	50 60	200-250		**313.6343**[1)]	6/24
	7	50 60	480-500		**313.63436**	6/24
	8	DC	>250		**313.63438**	6/24
	9	50 60	380-415		**313.6348**	6/24
	10	100-300	>50		**313.63431**	6/24
	12	50 60	TST>50		**313.63433**	6/24
3P+E	2	>300-500	>50		**313.63462**	24
	3	50 60	380 50Hz / 440 60Hz		**313.63464**	6/24
	4	50 60	100-130		**313.6341**	6/24
	5	50 60	600-690		**313.63467**	6/24
	6	50 60	380-415		**313.6346**[1)]	6/24
	7	50 60	480-500		**313.63466**	6/24
	9	50 60	200-250		**313.6344**	6/24
	10	100-300	>50		**313.63461**	6/24
	11	60	440-460		**313.63465**	6/24
3P+N+E	2	>300-500	>50		**313.63472**	6/24
	3	50 60	380 50Hz / 440 60Hz		**313.63474**	6/24
	4	50 60	100-130		**313.6342**	6/24
	5	50 60	600-690		**313.63477**	6/24
	6	50 60	346-415		**313.6347**[1)]	6/24
	7	50 60	480-500		**313.63476**	6/24
	9	50 60	208-250		**313.6345**	6/24
	10	100-300	>50		**313.63471**	6/24
	11	60	440-460		**313.63475**	6/24

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

CONNECTORS - IP66/IP67/IP69 >> SCREW TERMINALS





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		318.16432	10/40	318.32432	10/40
	3	DC	>50-250		318.16434	10/40	318.32434	10/40
	4	50 60	100-130		318.1640 [1]	10/40	318.3240	10/40
	6	50 60	200-250		318.1643 [1] [2]	10/40	318.3243 [2]	10/40
	7	50 60	480-500		318.16436	10/40	318.32436	10/40
	8	DC	>250		318.16438	10/40	318.32438	10/40
	9	50 60	380-415		318.1648	10/40	318.3248	10/40
	10	100-300	>50		318.16431	10/40	318.32431	10/40
	12	50 60	TST>50		318.16433	10/40	318.32433	10/40
3P+E	2	>300-500	>50		318.16462	10/40	318.32462	10/40
	3	50 60	380 50Hz / 440 60Hz		318.16464	10/40	318.32464	10/40
	4	50 60	100-130		318.1641	10/40	318.3241	10/40
	5	50 60	600-690		318.16467	10/40	318.32467	10/40
	6	50 60	380-415		318.1646 [2]	10/40	318.3246	10/40
	7	50 60	480-500		318.16466	10/40	318.32466	10/40
	9	50 60	200-250		318.1644	10/40	318.3244	10/40
	10	100-300	>50		318.16461	10/40	318.32461	10/40
	11	60	440-460		318.16465	10/40	318.32465	10/40
	12	50 60	TST>50		318.16463	10/40		
3P+N+E	2	>300-500	>50		318.16472	10/40	318.32472	10/40
	3	50 60	380 50Hz / 440 60Hz		318.16474	10/40	318.32474	10/40
	4	50 60	100-130		318.1642	10/40	318.3242	10/40
	5	50 60	600-690		318.16477	10/40	318.32477	10/40
	6	50 60	346-415		318.1647 [2]	10/40	318.3247	10/40
	7	50 60	480-500		318.16476	10/40	318.32476	10/40
	9	50 60	208-250		318.1645	10/40	318.3245	10/40
	10	100-300	>50		318.16471	10/40	318.32471	10/40
	11	60	440-460		318.16475	10/40	318.32475	10/40

[1] *Version also available with transparent handle; just add ".TR" at the end of the catalogue number.*
[2] *Version also available in black; just add ".K" at the end of the catalogue number.*

CONNECTORS - IP66/IP67/IP69 >> PERFORATING TERMINALS





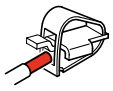
IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		318.1640P [1]	10/40
	6	50 60	200-250		318.1643P [1] [2]	10/40
	9	50 60	380-415		318.1648P	10/40
3P+E	6	50 60	380-415		318.1646P [2]	10/40
	9	50 60	200-250		318.1644P	10/40
3P+N+E	6	50 60	346-415		318.1647P [2]	10/40

[1] *Version also available with transparent handle; just add ".TR" at the end of the catalogue number.*
[2] *Version also available in black; just add ".K" at the end of the catalogue number.*

CONNECTORS - IP66/IP67/IP69 >> SPRING TERMINALS





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	32A	
2P+E	4	50 60	100-130		**318.3240F**	10/40
	6	50 60	200-250		**318.3243F**[1)]	10/40
	9	50 60	380-415		**318.3248F**	10/40
3P+E	3	50 60	380 50Hz / 440 60Hz		**318.32464F**	10/40
	6	50 60	380-415		**318.3246F**[1)]	10/40
	9	50 60	200-250		**318.3244F**	10/40
3P+N+E	6	50 60	346-415		**318.3247F**[1)]	10/40

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

CONNECTORS - IP66/IP67/IP69 >> MANTLE TERMINALS





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	2	>300-500	>50		**318.63432**	6/24	**318.125432**	1/8
	3	DC	>50-250		**318.63434**	6/24	**318.125434**	1/8
	4	50 60	100-130		**318.6340**	6/24	**318.12540**	1/8
	6	50 60	200-250		**318.6343**[1)]	6/24	**318.12543**[1)]	1/8
	7	50 60	480-500		**318.63436**	6/24	**318.125436**	1/8
	8	DC	>250		**318.63438**	6/24	**318.125438**	1/8
	9	50 60	380-415		**318.6348**	6/24	**318.12548**	1/8
	10	100-300	>50		**318.63431**	6/24	**318.125431**	1/8
	12	50 60	TST>50		**318.63433**	6/24	**318.125433**	1/8
3P+E	2	>300-500	>50		**318.63462**	6/24	**318.125462**	1/8
	3	50 60	380 50Hz / 440 60Hz		**318.63464**	6/24	**318.125464**	1/8
	4	50 60	100-130		**318.6341**	6/24	**318.12541**	1/8
	5	50 60	600-690		**318.63467**	6/24	**318.125467**	1/8
	6	50 60	380-415		**318.6346**[1)]	6/24	**318.12546**[1)]	1/8
	7	50 60	480-500		**318.63466**	6/24	**318.125466**	1/8
	9	50 60	200-250		**318.6344**	6/24	**318.12544**	1/8
	10	100-300	>50		**318.63461**	6/24	**318.125461**	1/8
	11	60	440-460		**318.63465**	6/24	**318.125465**	1/8
3P+N+E	2	>300-500	>50		**318.63472**	6/24	**318.125472**	1/8
	3	50 60	380 50Hz / 440 60Hz		**318.63474**	6/24	**318.125474**	1/8
	4	50 60	100-130		**318.6342**	6/24	**318.12542**	1/8
	5	50 60	600-690		**318.63477**	6/24	**318.125477**	1/8
	6	50 60	346-415		**318.6347**[1)]	6/24	**318.12547**[1)]	1/8
	7	50 60	480-500		**318.63476**	6/24	**318.125476**	1/8
	9	50 60	208-250		**318.6345**	6/24	**318.12545**	1/8
	10	100-300	>50		**318.63471**	6/24	**318.125471**	1/8
	11	60	440-460		**318.63475**	6/24	**318.125475**	1/8

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

CONNECTORS - IP44/IP54 - SAFE-IN



Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**313.1640H**	10/50
	6	50 60	200-250		**313.1643H**[1)]	10/50
	9	50 60	380-415		**313.1648H**	10/50
3P+E	6	50 60	380-415		**313.1646H**[1)]	10/50
	9	50 60	200-250		**313.1644H**	10/50
3P+N+E	6	50 60	346-415		**313.1647H**[1)]	10/50

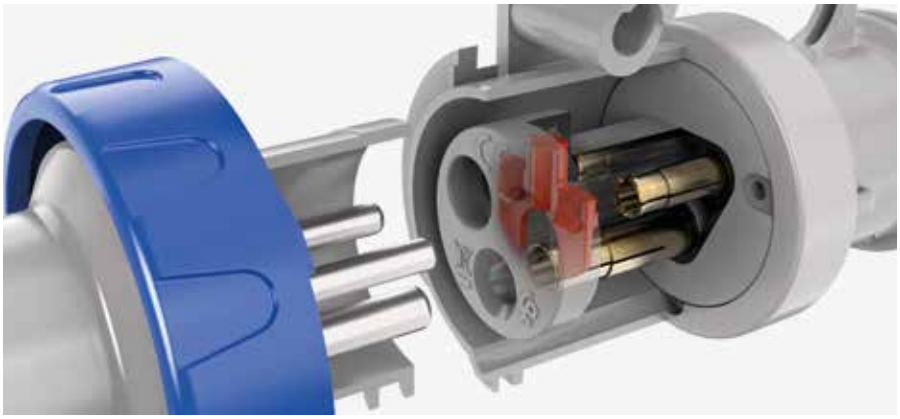
Sockets with "SAFE-IN" safety device.

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*



IP: IP44/IP54

The "SAFE-IN" safety device



The "**SAFE-IN**" safety device, assembled on specific versions of the 16A industrial sockets of the OPTIMA Series, works like the protection installed on household sockets: by means of an appropriate shutter, it closes the input of the socket contact tubes and prevents accidental and voluntary contact of live parts of the socket with slim objects, such as screwdrivers or wires. This protection offers an additional safety guarantee, in addition to that already provided by the spring-loaded cover assembled on the sockets.

CONNECTORS - IP66/IP67/IP69 - SAFE-IN



Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**318.1640H**	10/40
	6	50 60	200-250		**318.1643H**[1)]	10/40
	9	50 60	380-415		**318.1648H**	10/40
3P+E	6	50 60	380-415		**318.1646H**[1)]	10/40
	9	50 60	200-250		**318.1644H**	10/40
3P+N+E	6	50 60	346-415		**318.1647H**[1)]	10/40

Sockets with "SAFE-IN" safety device.

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*



IP: IP66/IP67/IP69

Applications examples



Amusement park



OPTIMA-HD Series

OPTIMA-HD is a range of industrial connectors from 16A to 125A characterized by the use of specific technopolymers that give maximum resistance to impact (IK10), to heat and fire (GW 960°C according to EN 60695-2-1), to atmospheric agents and UV rays.

The OPTIMA-HD electrical connectors are therefore suitable for use in harsh environments such as iron and steel industries, ports and mines. The IP degree stability is ensured over time by the co-moulded gasket. Connectors fast to wire thanks to the opening of the body by means of a Snap-on steel spring mechanism and the screw terminals (16A-32A) or mantle terminals (63A-125A).

technical sheet **p. 744**

Technical information

Main characteristics







01 Clear indication of open or closed position

02 Unlosable co-moulded gasket

03 2 different types of terminals: screw (16A-32A) or mantle (63A-125A)

04 Snap-on device with stainless steel spring to speed up cabling operations

05 Body in technopolymers with very high resistance to impact (IK10), to heat and fire (GW 960°C), to atmospheric agents and UV rays

06 Tulip external cable clamp with cable gland function

Applications examples



Shipyard - Container terminal



Heavy industry



Mining industry

CONNECTORS - IP66/IP67/IP69 - HEAVY DUTY





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	6	50 60	200-250		**318.1643.KX**	10/40	**318.3243.KX**	10/40
3P+E	3	50 60	380 50Hz / 440 60Hz				**318.32464.KX**	10/40
	6	50 60	380-415		**318.1646.KX**	10/40	**318.3246.KX**	10/40
	9	50 60	200-250		**318.1644.KX**	10/40	**318.3244.KX**	10/40
3P+N+E	6	50 60	346-415		**318.1647.KX**	10/40	**318.3247.KX**	10/40
	9	50 60	208-250		**318.1645.KX**	10/40	**318.3245.KX**	10/40

High impact resistance.
High heat and fire resistance.



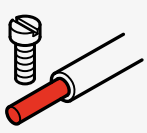


IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	6	50 60	200-250		**318.6343.KX**	6/24	**318.12543.KX**	1/8
3P+E	6	50 60	380-415		**318.6346.KX**	6/24	**318.12546.KX**	1/8
3P+N+E	6	50 60	346-415		**318.6347.KX**	6/24	**318.12547.KX**	1/8

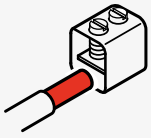
High impact resistance.
High heat and fire resistance.

Terminals



screw terminals





mantle terminals



Optimal connections for high currents



EUREKA Series

EUREKA Series is a range of industrial connectors 16A and 32A with 90° angled cable outlet. The connector design has the advantage of a reduced obstruction, thus preventing eventual damages by accidental contacts. Both terminals and internal cable clamp are screw type.

technical sheet **p. 730**

CONNECTORS - IP44 >> SCREW TERMINALS - ANGLED OUTLET



Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**321.1640**	10/100	**321.3240**	10/50
	6	50 60	200-250		**321.1643**	10/100	**321.3243**	10/50
3P+E	6	50 60	380-415		**321.1646**	10/100	**321.3246**	10/50
3P+N+E	6	50 60	346-415		**321.1647**	10/100	**321.3247**	10/50



IP: IP44

CONNECTORS - IP66/IP67 >> SCREW TERMINALS - ANGLED OUTLET



Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**326.1640**	10/100	**326.3240**	10/40
	6	50 60	200-250		**326.1643**	10/100	**326.3243**	10/40
3P+E	6	50 60	380-415		**326.1646**	10/100	**326.3246**	10/40
3P+N+E	6	50 60	346-415		**326.1647**	10/50	**326.3247**	10/40



IP: IP66/IP67



XENIA Series

XENIA is a range of 16A and 32A industrial connectors with technopolymer monobloc body, screw terminals and external cable clamp.

technical sheet **p. 748**

CONNECTORS - IP44/IP54



Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**314.1640**	40	**314.3240**	20
	6	50 60	200-250		**314.1643**	40	**314.3243**	20
3P+E	6	50 60	380-415		**314.1646**	30	**314.3246**	20
3P+N+E	6	50 60	346-415		**314.1647**	25	**314.3247**	15



IP: IP44/IP54


SCAME

FLUSH MOUNTING SOCKET OUTLETS

OPTIMA SERIES
p. 80

Flush mounting industrial socket outlets



EUREKA SERIES
p. 92

Flush mounting industrial socket outlets with 90° angled body



INDUSTRIAL PLUGS AND SOCKETS

Flush mounting socket outlets - Quick selection guide

					OPTIMA Series		OPTIMA Series	OPTIMA Series	EUREKA Series
							 2 SAFE-IN	 75X75mm	
					IP44/IP54		IP44/IP54	IP44/IP54	IP44
					SCREW WIRING	FAST WIRING	SCREW WIRING	SCREW WIRING	SCREW WIRING
	Poles	Volt	Colour	h	Screw terminals	Spring terminals	Screw terminals	Screw terminals	Screw terminals
16A	2P+E	100-130V		4	413.1660	413.1660F	413.1660H	423.1660	452.1660
		200-250V		6	413.1663 [1]	413.1663F [1]	413.1663H [1]	423.1663	452.1663
		380-415V		9	413.1668	413.1668F	413.1668H	423.1668	452.1668
	3P+E	100-130V		4	413.1661			423.1661	452.1661
		380-415V		6	413.1666 [1]	413.1666F [1]	413.1666H [1]	423.1666	452.1666
		200-250V		9	413.1664	413.1664F	413.1664H	423.1664	452.1664
	3P+N+E	100-130V		4	413.1662			423.1662	452.1662
		346-415V		6	413.1667 [1]	413.1667F [1]	413.1667H [1]	423.1667	452.1667
		208-250V		9	413.1665			423.1665	452.1665
					Screw terminals	Spring terminals		Screw terminals	Screw terminals
32A	2P+E	100-130V		4	413.3260	413.3260F		423.3260	452.3260
		200-250V		6	413.3263 [1]	413.3263F [1]		423.3263	452.3263
		380-415V		9	413.3268	413.3268F		423.3268	452.3268
	3P+E	100-130V		4	413.3261			423.3261	452.3261
		380-415V		6	413.3266 [1]	413.3266F [1]		423.3266	452.3266
		200-250V		9	413.3264	413.3264F		423.3264	452.3264
	3P+N+E	100-130V		4	413.3262			423.3262	452.3262
		346-415V		6	413.3267 [1]	413.3267F [1]		423.3267	452.3267
		208-250V		9	413.3265			423.3265	452.3265
					Mantle terminals			Mantle terminals	
63A	2P+E	200-250V		6	413.6363 [1]			423.6363	
		380-415V		9	413.6368			423.6368	
	3P+E	380-415V		6	413.6366 [1]			423.6366	
		200-250V		9	413.6364			423.6364	
	3P+N+E	346-415V		6	413.6367 [1]			423.6367	
		208-250V		9	413.6365			423.6365	
125A	2P+E	200-250V		6					
		380-415V		9					
	3P+E	380-415V		6					
		200-250V		9					
	3P+N+E	346-415V		6					
		208-250V		9					

Special versions





[1] Black colour - Add ".K" at the end of the catalogue number (ie. 413.1663.K).

OPTIMA Series		OPTIMA Series	OPTIMA Series	EUREKA Series
		 2 SAFE-IN	 75X75mm	
IP66/IP67/IP69		IP66/IP67/IP69	IP66/IP67	IP66/IP67/IP69
SCREW WIRING	FAST WIRING	SCREW WIRING	SCREW WIRING	SCREW WIRING
Screw terminals	Spring terminals	Screw terminals	Screw terminals	Screw terminals
418.1660	418.1660F	418.1660H	428.1660	457.1660
418.1663 1	418.1663F 1	418.1663H 1	428.1663	457.1663
418.1668	418.1668F	418.1668H	428.1668	457.1668
418.1661			428.1661	457.1661
418.1666 1	418.1666F 1	418.1666H 1	428.1666	457.1666
418.1664	418.1664F	418.1664H	428.1664	457.1664
418.1662			428.1662	457.1662
418.1667 1	418.1667F 1	418.1667H 1	428.1667	457.1667
418.1665			428.1665	457.1665
Screw terminals	Spring terminals		Screw terminals	Screw terminals
418.3260	418.3260F		428.3260	457.3260
418.3263 1	418.3263F 1		428.3263	457.3263
418.3268	418.3268F		428.3268	457.3268
418.3261			428.3261	457.3261
418.3266	418.3266F 1		428.3266	457.3266
418.3264	418.3264F		428.3264	457.3264
418.3262			428.3262	457.3262
418.3267	418.3267F 1		428.3267	457.3267
418.3265			428.3265	457.3265
Mantle terminals			Mantle terminals	
418.6363			428.6363 1	
418.6368			428.6368	
418.6366			428.6366 1	
418.6364			428.6364	
418.6367 1			428.6367 1	
418.6365			428.6365	
418.12563			428.12563 1	
418.12568			428.12568	
418.12566			428.12566 1	
418.12564			428.12564	
418.12567 1			428.12567 1	
418.12565			428.12565	

Terminals


screw terminals

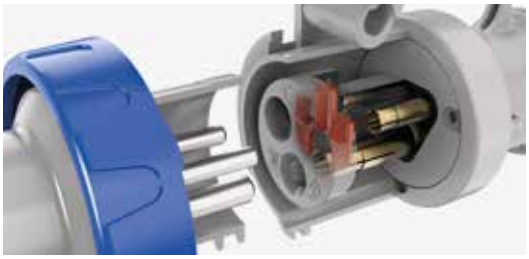

spring terminals

FAST WIRING - Anti vibrations


mantle terminals

Optimal connections for high currents

2 The "SAFE-IN" safety device



The "**SAFE-IN**" safety device, assembled on specific versions of the 16A industrial sockets of the OPTIMA Series, works like the protection installed on household sockets: by means of an appropriate shutter, it closes the input of the socket contact tubes and prevents accidental and voluntary contact of live parts of the socket with slim objects, such as screwdrivers or wires. This protection offers an additional safety guarantee, in addition to that already provided by the spring-loaded cover assembled on the sockets.



OPTIMA Series

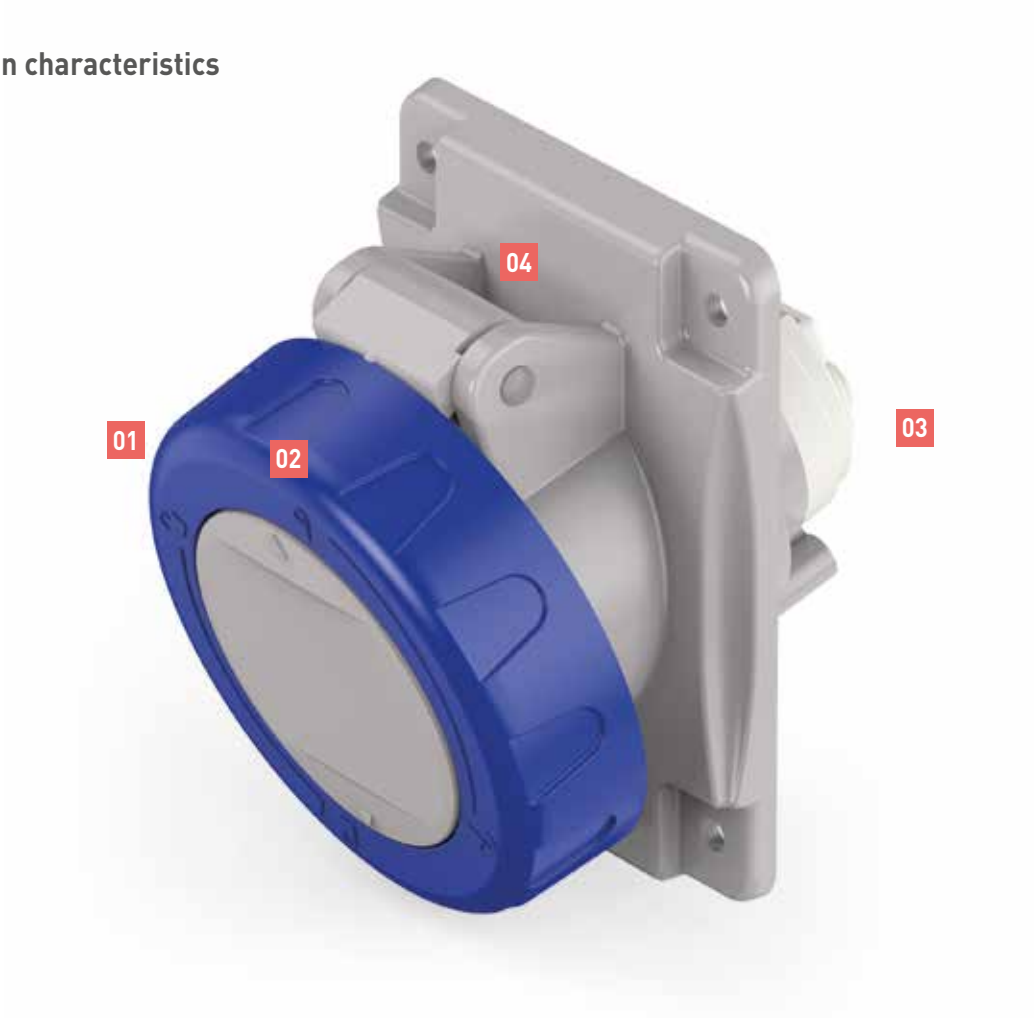
OPTIMA is a complete range of flush mounting industrial socket outlets from 16A up to 125A, with straight or angled output.

The electrical sockets of the OPTIMA Series are available with different types of terminals to always guarantee the best connection according to the type of use and the wiring needs. The unlosable co-moulded gasket guarantees a constant seal of the IP protection degree. The SAFE-IN versions are equipped with protective shutters on the contact tubes so to prevent harmful contact with live parts, adding further safety in case of installation in places with unqualified users.

technical sheet **p. 734**

Technical information

Main characteristics





01 Unlosable co-moulded gasket

02 Clear indication of open or closed position

03 3 different types of terminals: screw (16A-32A), spring (16A-32A), mantle (63A-125A)

04 Body in halogen-free materials, with high mechanical and UV rays resistance

Special versions



Black colour



Compatibility

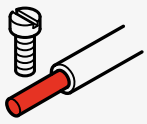


Surface mounting boxes



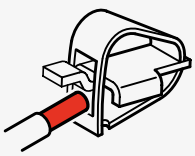
Distribution assemblies

Terminals



screw terminals

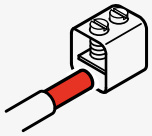




spring terminals



FAST WIRING - Anti vibrations



mantle terminals



Optimal connections for high currents

INDUSTRIAL PLUGS AND SOCKETS

Flush mounting socket outlets

FLUSH MOUNTING SOCKET OUTLETS - IP44/IP54 >> SCREW TERMINALS - ANGLED OUTLET





IP: IP44/IP54
Flange: 70X87MM

Poles	h	Hz	Volt	Colour	16A	
2P+E	2	>300-500	>50		**413.16632**	10/100
	3	DC	>50-250		**413.16634**	10/100
	4	50 60	100-130		**413.1660**	10/100
	6	50 60	200-250		**413.1663**[1)]	10/100
	7	50 60	480-500		**413.16636**	10/100
	8	DC	>250		**413.16638**	10/100
	9	50 60	380-415		**413.1668**	10/100
	10	100-300	>50		**413.16631**	10/100
	12	50 60	TST>50		**413.16633**	10/100
3P+E	2	>300-500	>50		**413.16662**	10/100
	3	50 60	380 50Hz / 440 60Hz		**413.16664**	10/100
	4	50 60	100-130		**413.1661**	10/100
	5	50 60	600-690		**413.16667**	10/100
	6	50 60	380-415		**413.1666**[1)]	10/100
	7	50 60	480-500		**413.16666**	10/100
	9	50 60	200-250		**413.1664**	10/100
	10	100-300	>50		**413.16661**	10/100
	11	60	440-460		**413.16665**	10/100
3P+N+E	2	>300-500	>50		**413.16672**	10/100
	3	50 60	380 50Hz / 440 60Hz		**413.16674**	10/100
	4	50 60	100-130		**413.1662**	10/100
	5	50 60	600-690		**413.16677**	10/100
	6	50 60	346-415		**413.1667**[1)]	10/100
	7	50 60	480-500		**413.16676**	10/100
	9	50 60	208-250		**413.1665**	10/100
	10	100-300	>50		**413.16671**	10/100
	11	60	440-460		**413.16675**	10/100

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*





IP: IP44/IP54
Flange: 84X106MM

Poles	h	Hz	Volt	Colour	32A	
2P+E	2	>300-500	>50		**413.32632**	10/50
	3	DC	>50-250		**413.32634**	10/50
	4	50 60	100-130		**413.3260**	10/50
	6	50 60	200-250		**413.3263**[1)]	10/50
	7	50 60	480-500		**413.32636**	10/50
	8	DC	>250		**413.32638**	10/50
	9	50 60	380-415		**413.3268**	10/50
	10	100-300	>50		**413.32631**	10/50
	12	50 60	TST>50		**413.32633**	10/50
3P+E	2	>300-500	>50		**413.32662**	10/50
	3	50 60	380 50Hz / 440 60Hz		**413.32664**	10/50
	4	50 60	100-130		**413.3261**	10/50
	5	50 60	600-690		**413.32667**	10/50
	6	50 60	380-415		**413.3266**[1)]	10/50
	7	50 60	480-500		**413.32666**	10/50
	9	50 60	200-250		**413.3264**	10/50
	10	100-300	>50		**413.32661**	10/50
	11	60	440-460		**413.32665**	10/50
3P+N+E	2	>300-500	>50		**413.32672**	10/50
	3	50 60	380 50Hz / 440 60Hz		**413.32674**	10/50
	4	50 60	100-130		**413.3262**	10/50
	5	50 60	600-690		**413.32677**	10/50
	6	50 60	346-415		**413.3267**[1)]	10/50
	7	50 60	480-500		**413.32676**	10/50
	9	50 60	208-250		**413.3265**	10/50
	10	100-300	>50		**413.32671**	10/50
	11	60	440-460		**413.32675**	10/50

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP44/IP54 >> MANTLE TERMINALS - ANGLED OUTLET





IP: IP44/IP54
Flange: 100X110MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**413.63632**	6/30
	3	DC	>50-250		**413.63634**	6/30
	4	50 60	100-130		**413.6360**	6/30
	6	50 60	200-250		**413.6363**[1)]	6/30
	7	50 60	480-500		**413.63636**	6/30
	8	DC	>250		**413.63638**	6/30
	9	50 60	380-415		**413.6368**	6/30
	10	100-300	>50		**413.63631**	6/30
	12	50 60	TST>50		**413.63633**	6/30
3P+E	2	>300-500	>50		**413.63662**	6/30
	3	50 60	380 50Hz / 440 60Hz		**413.63664**	6/30
	4	50 60	100-130		**413.6361**	6/30
	5	50 60	600-690		**413.63667**	6/30
	6	50 60	380-415		**413.6366**[1)]	6/30
	7	50 60	480-500		**413.63666**	6/30
	9	50 60	200-250		**413.6364**	6/30
	10	100-300	>50		**413.63661**	6/30
	11	60	440-460		**413.63665**	6/30
3P+N+E	2	>300-500	>50		**413.63672**	6/30
	3	50 60	380 50Hz / 440 60Hz		**413.63674**	30
	4	50 60	100-130		**413.6362**	6/30
	5	50 60	600-690		**413.63677**	6/30
	6	50 60	346-415		**413.6367**[1)]	6/30
	7	50 60	480-500		**413.63676**	6/30
	9	50 60	208-250		**413.6365**	6/30
	10	100-300	>50		**413.63671**	6/30
	11	60	440-460		**413.63675**	6/30

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> SCREW TERMINALS - ANGLED OUTLET





IP: IP66/IP67/IP69
Flange: 70X87MM

Poles	h	Hz	Volt	Colour	16A	
2P+E	2	>300-500	>50		**418.16632**	10/100
	3	DC	>50-250		**418.16634**	10/100
	4	50 60	100-130		**418.1660**	10/100
	6	50 60	200-250		**418.1663**[1)]	10/100
	7	50 60	480-500		**418.16636**	10/100
	8	DC	>250		**418.16638**	10/100
	9	50 60	380-415		**418.1668**	10/100
	10	100-300	>50		**418.16631**	10/100
	12	50 60	TST>50		**418.16633**	10/100
3P+E	2	>300-500	>50		**418.16662**	10/100
	3	50 60	380 50Hz / 440 60Hz		**418.16664**	10/100
	4	50 60	100-130		**418.1661**	10/100
	5	50 60	600-690		**418.16667**	10/100
	6	50 60	380-415		**418.1666**[1)]	10/100
	7	50 60	480-500		**418.16666**	10/100
	9	50 60	200-250		**418.1664**	10/100
	10	100-300	>50		**418.16661**	10/100
	11	60	440-460		**418.16665**	10/100
3P+N+E	2	>300-500	>50		**418.16672**	10/100
	3	50 60	380 50Hz / 440 60Hz		**418.16674**	10/100
	4	50 60	100-130		**418.1662**	10/100
	5	50 60	600-690		**418.16677**	10/100
	6	50 60	346-415		**418.1667**[1)]	10/100
	7	50 60	480-500		**418.16676**	10/100
	9	50 60	208-250		**418.1665**	10/100
	10	100-300	>50		**418.16671**	10/100
	11	60	440-460		**418.16675**	10/100

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*





IP: IP66/IP67/IP69
Flange: 84X106MM

Poles	h	Hz	Volt	Colour	32A	
2P+E	2	>300-500	>50		**418.32632**	10/50
	3	DC	>50-250		**418.32634**	10/50
	4	50 60	100-130		**418.3260**	10/50
	6	50 60	200-250		**418.3263**[1)]	10/50
	7	50 60	480-500		**418.32636**	10/50
	8	DC	>250		**418.32638**	10/50
	9	50 60	380-415		**418.3268**	10/50
	10	100-300	>50		**418.32631**	10/50
	12	50 60	TST>50		**418.32633**	10/50
3P+E	2	>300-500	>50		**418.32662**	10/50
	3	50 60	380 50Hz / 440 60Hz		**418.32664**	10/50
	4	50 60	100-130		**418.3261**	10/50
	5	50 60	600-690		**418.32667**	10/50
	6	50 60	380-415		**418.3266**[1)]	10/50
	7	50 60	480-500		**418.32666**	10/50
	9	50 60	200-250		**418.3264**	10/50
	10	100-300	>50		**418.32661**	10/50
	11	60	440-460		**418.32665**	10/50
3P+N+E	2	>300-500	>50		**418.32672**	10/50
	3	50 60	380 50Hz / 440 60Hz		**418.32674**	10/50
	5	50 60	600-690		**418.32677**	10/50
	6	50 60	346-415		**418.3267**[1)]	10/50
	7	50 60	480-500		**418.32676**	10/50
	9	50 60	208-250		**418.3265**	10/50
	10	100-300	>50		**418.32671**	10/50
	11	60	440-460		**418.32675**	10/50

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> MANTLE TERMINALS - ANGLED OUTLET





IP: IP66/IP67/IP69
Flange: 100X110MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**418.63632**	30
	3	DC	>50-250		**418.63634**	30
	4	50 60	100-130		**418.6360**	30
	6	50 60	200-250		**418.6363**[1)]	6/30
	7	50 60	480-500		**418.63636**	30
	8	DC	>250		**418.63638**	30
	9	50 60	380-415		**418.6368**	30
	10	100-300	>50		**418.63631**	30
	12	50 60	TST>50		**418.63633**	30
3P+E	2	>300-500	>50		**418.63662**	30
	3	50 60	380 50Hz / 440 60Hz		**418.63664**	30
	4	50 60	100-130		**418.6361**	6/30
	5	50 60	600-690		**418.63667**	30
	6	50 60	380-415		**418.6366**[1)]	6/30
	7	50 60	480-500		**418.63666**	30
	9	50 60	200-250		**418.6364**	6/30
	10	100-300	>50		**418.63661**	30
	11	60	440-460		**418.63665**	30
3P+N+E	2	>300-500	>50		**418.63672**	30
	3	50 60	380 50Hz / 440 60Hz		**418.63674**	30
	4	50 60	100-130		**418.6362**	30
	5	50 60	600-690		**418.63677**	30
	6	50 60	346-415		**418.6367**[1)]	6/30
	7	50 60	480-500		**418.63676**	30
	9	50 60	208-250		**418.6365**	30
	10	100-300	>50		**418.63671**	30
	11	60	440-460		**418.63675**	6/30

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*





IP: IP66/IP67/IP69
Flange: 114X114MM

Poles	h	Hz	Volt	Colour	125A	
2P+E	2	>300-500	>50		**418.125632**	10
	3	DC	>50-250		**418.125634**	10
	4	50 60	100-130		**418.12560**	10
	6	50 60	200-250		**418.12563**[1)]	1/10
	7	50 60	480-500		**418.125636**	10
	8	DC	>250		**418.125638**	10
	9	50 60	380-415		**418.12568**	10
	10	100-300	>50		**418.125631**	10
	12	50 60	TST>50		**418.125633**	10
3P+E	2	>300-500	>50		**418.125662**	10
	3	50 60	380 50Hz / 440 60Hz		**418.125664**	10
	4	50 60	100-130		**418.12561**	1/10
	5	50 60	600-690		**418.125667**	10
	6	50 60	380-415		**418.12566**[1)]	1/10
	7	50 60	480-500		**418.125666**	10
	9	50 60	200-250		**418.12564**	10
	10	100-300	>50		**418.125661**	10
	11	60	440-460		**418.125665**	10
3P+N+E	2	>300-500	>50		**418.125672**	10
	3	50 60	380 50Hz / 440 60Hz		**418.125674**	10
	4	50 60	100-130		**418.12562**	10
	5	50 60	600-690		**418.125677**	10
	6	50 60	346-415		**418.12567**[1)]	1/10
	7	50 60	480-500		**418.125676**	10
	9	50 60	208-250		**418.12565**	10
	10	100-300	>50		**418.125671**	10
	11	60	440-460		**418.125675**	1/10

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

Flush mounting socket outlets

FLUSH MOUNTING SOCKET OUTLETS - IP44/IP54 >> SCREW TERMINALS - STRAIGHT OUTLET 55X55MM



IP: IP44/IP54
Flange: 55X55MM

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**423.1660/RR**	10/100
	6	50 60	200-250		**423.1663/RR**[1)]	10/100
	9	50 60	380-415		**423.1668/RR**	10/100

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP44/IP54 >> SCREW TERMINALS - STRAIGHT OUTLET 62X62MM



IP: IP44/IP54
Flange: 62X62MM

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**423.1660/R**	10/100
	6	50 60	200-250		**423.1663/R**[1)]	10/100
	9	50 60	380-415		**423.1668/R**	10/100
3P+E	4	50 60	100-130		**423.1661/R**	10/100
	6	50 60	380-415		**423.1666/R**[1)]	10/100
	9	50 60	200-250		**423.1664/R**	10/100

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP44/IP54 >> SCREW TERMINALS - STRAIGHT OUTLET 75X75MM



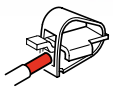
IP: IP44/IP54
Flange: 75X75MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**423.16632**	10/100	**423.32632**	10/50
	3	DC	>50-250		**423.16634**	10/100	**423.32634**	10/50
	4	50 60	100-130		**423.1660**	10/100	**423.3260**	10/50
	6	50 60	200-250		**423.1663**[1)]	10/100	**423.3263**[1)]	10/50
	7	50 60	480-500		**423.16636**	10/100	**423.32636**	10/50
	8	DC	>250		**423.16638**	10/100	**423.32638**	10/50
	9	50 60	380-415		**423.1668**	10/100	**423.3268**	10/50
	10	100-300	>50		**423.16631**	10/100	**423.32631**	10/50
	12	50 60	TST>50		**423.16633**	10/100	**423.32633**	10/50
3P+E	2	>300-500	>50		**423.16662**	10/100	**423.32662**	10/50
	3	50 60	380 50Hz / 440 60Hz		**423.16664**	10/100	**423.32664**	10/50
	4	50 60	100-130		**423.1661**	10/100	**423.3261**	10/50
	5	50 60	600-690		**423.16667**	10/100	**423.32667**	10/50
	6	50 60	380-415		**423.1666**[1)]	10/100	**423.3266**[1)]	10/50
	7	50 60	480-500		**423.16666**	10/100	**423.32666**	10/50
	9	50 60	200-250		**423.1664**	10/100	**423.3264**	10/50
	10	100-300	>50		**423.16661**	10/100	**423.32661**	10/50
	11	60	440-460		**423.16665**	10/100	**423.32665**	10/50
3P+N+E	2	>300-500	>50		**423.16672**	10/100	**423.32672**	10/50
	3	50 60	380 50Hz / 440 60Hz		**423.16674**	10/100	**423.32674**	10/50
	4	50 60	100-130		**423.1662**	10/100	**423.3262**	10/50
	5	50 60	600-690		**423.16677**	10/100	**423.32677**	10/50
	6	50 60	346-415		**423.1667**[1)]	10/100	**423.3267**[1)]	10/50
	7	50 60	480-500		**423.16676**	10/100	**423.32676**	10/50
	9	50 60	208-250		**423.1665**	10/100	**423.3265**	10/50
	10	100-300	>50		**423.16671**	10/100	**423.32671**	10/50
	11	60	440-460		**423.16675**	10/100	**423.32675**	10/50

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP44/IP54 >> SPRING TERMINALS - STRAIGHT OUTLET 75X75MM





IP: IP44/IP54
Flange: 75X75MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130				423.3260F	10/50
	6	50 60	200-250		423.1663F[1]	10/100	423.3263F[1]	10/50
	9	50 60	380-415		423.1668F	10/100	423.3268F	10/50
3P+E	4	50 60	100-130		423.1661F	10/100	423.3261F	10/50
	6	50 60	380-415		423.1666F[1]	10/100	423.3266F[1]	10/50
	9	50 60	200-250		423.1664F	10/100	423.3264F	10/50
3P+N+E	4	50 60	100-130		423.1662F	10/100	423.3262F	10/50
	6	50 60	346-415		423.1667F[1]	10/100	423.3267F[1]	10/50
	9	50 60	208-250		423.1665F	10/100	423.3265F	10/50

[1] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP44/IP54 >> MANTLE TERMINALS - STRAIGHT OUTLET





IP: IP44/IP54
Flange: 100X110MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		423.63632	6/30
	3	DC	>50-250		423.63634	6/30
	4	50 60	100-130		423.6360	6/30
	6	50 60	200-250		423.6363[1]	6/30
	7	50 60	480-500		423.63636	6/30
	8	DC	>250		423.63638	6/30
	9	50 60	380-415		423.6368	6/30
	10	100-300	>50		423.63631	6/30
	12	50 60	TST>50		423.63633	6/30
3P+E	2	>300-500	>50		423.63662	6/30
	3	50 60	380 50Hz / 440 60Hz		423.63664	6/30
	4	50 60	100-130		423.6361	6/30
	5	50 60	600-690		423.63667	6/30
	6	50 60	380-415		423.6366[1]	6/30
	7	50 60	480-500		423.63666	6/30
	9	50 60	200-250		423.6364	6/30
	10	100-300	>50		423.63661	6/30
	11	60	440-460		423.63665	6/30
3P+N+E	2	>300-500	>50		423.63672	6/30
	3	50 60	380 50Hz / 440 60Hz		423.63674	6/30
	4	50 60	100-130		423.6362	6/30
	5	50 60	600-690		423.63677	6/30
	6	50 60	346-415		423.6367[1]	6/30
	7	50 60	480-500		423.63676	6/30
	9	50 60	208-250		423.6365	6/30
	10	100-300	>50		423.63671	6/30
	11	60	440-460		423.63675	6/30

[1] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> SCREW TERMINALS - STRAIGHT OUTLET 55X55MM





IP: IP66/IP67/IP69
Flange: 55X55MM

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		428.1660/RR	10/100
	6	50 60	200-250		428.1663/RR[1]	10/100
	9	50 60	380-415		428.1668/RR	10/100

[1] *Version also available in black; just add ".K" at the end of the catalogue number.*

INDUSTRIAL PLUGS AND SOCKETS

Flush mounting socket outlets

FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> SCREW TERMINALS - STRAIGHT OUTLET 62X62MM



IP: IP66/IP67/IP69
Flange: 62X62MM

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**428.1660/R**	10/100
	6	50 60	200-250		**428.1663/R**[1)]	10/100
	9	50 60	380-415		**428.1668/R**	10/100
3P+E	4	50 60	100-130		**428.1661/R**	10/100
	6	50 60	380-415		**428.1666/R**[1)]	10/100
	9	50 60	200-250		**428.1664/R**	10/100

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> SCREW TERMINALS - STRAIGHT OUTLET 75X75MM



IP: IP66/IP67/IP69
Flange: 75X75MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**428.16632**	10/100	**428.32632**	10/50
	3	DC	>50-250		**428.16634**	10/100	**428.32634**	10/50
	4	50 60	100-130		**428.1660**	10/100	**428.3260**	10/50
	6	50 60	200-250		**428.1663**[1)]	10/100	**428.3263**[1)]	10/50
	7	50 60	480-500		**428.16636**	10/100	**428.32636**	10/50
	8	DC	>250		**428.16638**	10/100	**428.32638**	10/50
	9	50 60	380-415		**428.1668**	10/100	**428.3268**	10/50
	10	100-300	>50		**428.16631**	10/100	**428.32631**	10/50
	12	50 60	TST>50		**428.16633**	10/100	**428.32633**	10/50
3P+E	2	>300-500	>50		**428.16662**	10/100	**428.32662**	10/50
	3	50 60	380 50Hz / 440 60Hz		**428.16664**	10/100	**428.32664**	10/50
	4	50 60	100-130		**428.1661**	10/100	**428.3261**	10/50
	5	50 60	600-690		**428.16667**	10/100	**428.32667**	10/50
	6	50 60	380-415		**428.1666**[1)]	10/100	**428.3266**[1)]	10/50
	7	50 60	480-500		**428.16666**	10/100	**428.32666**	10/50
	9	50 60	200-250		**428.1664**	10/100	**428.3264**	10/50
	10	100-300	>50		**428.16661**	10/100	**428.32661**	10/50
	11	60	440-460		**428.16665**	10/100	**428.32665**	10/50
	12	50 60	TST>50				**428.32663**	10/50
3P+N+E	2	>300-500	>50		**428.16672**	10/100	**428.32672**	10/50
	3	50 60	380 50Hz / 440 60Hz		**428.16674**	10/100	**428.32674**	10/50
	4	50 60	100-130		**428.1662**	10/100	**428.3262**	10/50
	5	50 60	600-690		**428.16677**	10/100	**428.32677**	10/50
	6	50 60	346-415		**428.1667**[1)]	10/100	**428.3267**[1)]	10/50
	7	50 60	480-500		**428.16676**	10/100	**428.32676**	10/50
	9	50 60	208-250		**428.1665**	10/100	**428.3265**	10/50
	10	100-300	>50		**428.16671**	10/100	**428.32671**	10/50
	11	60	440-460		**428.16675**	10/100	**428.32675**	10/50

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> SPRING TERMINALS - STRAIGHT OUTLET 75X75MM



IP: IP66/IP67/IP69
Flange: 75X75MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130				**428.3260F**	10/50
	6	50 60	200-250		**428.1663F**[1)]	10/100	**428.3263F**[1)]	10/50
	9	50 60	380-415		**428.1668F**	10/100	**428.3268F**	10/50
3P+E	4	50 60	100-130		**428.1661F**	10/100	**428.3261F**	10/50
	6	50 60	380-415		**428.1666F**[1)]	10/100	**428.3266F**[1)]	10/50
	9	50 60	200-250		**428.1664F**	10/100	**428.3264F**	10/50
3P+N+E	4	50 60	100-130		**428.1662F**	10/100	**428.3262F**	10/50
	6	50 60	346-415		**428.1667F**[1)]	10/100	**428.3267F**[1)]	10/50
	9	50 60	208-250		**428.1665F**	10/100	**428.3265F**	10/50

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> MANTLE TERMINALS - STRAIGHT OUTLET





IP: IP66/IP67/IP69
Flange: 100X110MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**428.63632**	6/30
	3	DC	>50-250		**428.63634**	6/30
	4	50 60	100-130		**428.6360**	6/30
	6	50 60	200-250		**428.6363**[1)]	6/30
	7	50 60	480-500		**428.63636**	6/30
	8	DC	>250		**428.63638**	6/30
	9	50 60	380-415		**428.6368**	6/30
	10	100-300	>50		**428.63631**	6/30
	12	50 60	TST>50		**428.63633**	6/30
3P+E	2	>300-500	>50		**428.63662**	6/30
	3	50 60	380 50Hz / 440 60Hz		**428.63664**	6/30
	4	50 60	100-130		**428.6361**	6/30
	5	50 60	600-690		**428.63667**	6/30
	6	50 60	380-415		**428.6366**[1)]	6/30
	7	50 60	480-500		**428.63666**	6/30
	9	50 60	200-250		**428.6364**	6/30
	10	100-300	>50		**428.63661**	6/30
	11	60	440-460		**428.63665**	6/30
3P+N+E	2	>300-500	>50		**428.63672**	6/30
	3	50 60	380 50Hz / 440 60Hz		**428.63674**	6/30
	4	50 60	100-130		**428.6362**	6/30
	5	50 60	600-690		**428.63677**	6/30
	6	50 60	346-415		**428.6367**[1)]	6/30
	7	50 60	480-500		**428.63676**	6/30
	9	50 60	208-250		**428.6365**	6/30
	10	100-300	>50		**428.63671**	6/30
	11	60	440-460		**428.63675**	6/30

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*





IP: IP66/IP67/IP69
Flange: 114X114MM

Poles	h	Hz	Volt	Colour	125A	
2P+E	2	>300-500	>50		**428.125632**	10
	3	DC	>50-250		**428.125634**	10
	4	50 60	100-130		**428.12560**	10
	6	50 60	200-250		**428.12563**[1)]	10
	7	50 60	480-500		**428.125636**	10
	8	DC	>250		**428.125638**	10
	9	50 60	380-415		**428.12568**	10
	10	100-300	>50		**428.125631**	10
	12	50 60	TST>50		**428.125633**	10
3P+E	2	>300-500	>50		**428.125662**	10
	3	50 60	380 50Hz / 440 60Hz		**428.125664**	10
	4	50 60	100-130		**428.12561**	1/10
	5	50 60	600-690		**428.125667**	10
	6	50 60	380-415		**428.12566**[1)]	10
	7	50 60	480-500		**428.125666**	10
	9	50 60	200-250		**428.12564**	10
	10	100-300	>50		**428.125661**	10
	11	60	440-460		**428.125665**	10
3P+N+E	2	>300-500	>50		**428.125672**	10
	3	50 60	380 50Hz / 440 60Hz		**428.125674**	10
	4	50 60	100-130		**428.12562**	10
	5	50 60	600-690		**428.125677**	10
	6	50 60	346-415		**428.12567**[1)]	10
	7	50 60	480-500		**428.125676**	10
	9	50 60	208-250		**428.12565**	10
	10	100-300	>50		**428.125671**	10
	11	60	440-460		**428.125675**	1/10

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

INDUSTRIAL PLUGS AND SOCKETS

Flush mounting socket outlets

FLUSH MOUNTING SOCKET OUTLETS - IP44/IP54 >> SPRING TERMINALS - ANGLED OUTLET



IP: IP44/IP54
Flange: 70X87MM

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**413.1660F**	10/100
	6	50 60	200-250		**413.1663F**[1)]	10/100
	9	50 60	380-415		**413.1668F**	10/100
3P+E	6	50 60	380-415		**413.1666F**[1)]	10/100
	9	50 60	200-250		**413.1664F**	10/100
3P+N+E	6	50 60	346-415		**413.1667F**[1)]	10/100

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*



IP: IP44/IP54
Flange: 84X106MM

Poles	h	Hz	Volt	Colour	32A	
2P+E	4	50 60	100-130		**413.3260F**	10/50
	6	50 60	200-250		**413.3263F**[1)]	10/50
	9	50 60	380-415		**413.3268F**	10/50
3P+E	6	50 60	380-415		**413.3266F**[1)]	10/50
	9	50 60	200-250		**413.3264F**	10/50
3P+N+E	6	50 60	346-415		**413.3267F**[1)]	10/50

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> SPRING TERMINALS - ANGLED OUTLET



IP: IP66/IP67/IP69
Flange: 70X87MM

Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**418.1660F**	10/100
	6	50 60	200-250		**418.1663F**[1)]	10/100
	9	50 60	380-415		**418.1668F**	10/100
3P+E	6	50 60	380-415		**418.1666F**[1)]	10/100
	9	50 60	200-250		**418.1664F**	10/100
3P+N+E	6	50 60	346-415		**418.1667F**[1)]	10/100

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*



IP: IP66/IP67/IP69
Flange: 84X106MM

Poles	h	Hz	Volt	Colour	32A	
2P+E	4	50 60	100-130		**418.3260F**	10/50
	6	50 60	200-250		**418.3263F**[1)]	10/50
	9	50 60	380-415		**418.3268F**	10/50
3P+E	6	50 60	380-415		**418.3266F**[1)]	10/50
	9	50 60	200-250		**418.3264F**	10/50
3P+N+E	6	50 60	346-415		**418.3267F**[1)]	10/50

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*

FLUSH MOUNTING SOCKETS OUTLETS - IP44/IP54 - SAFE-IN



Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**413.1660H**	10/100
	6	50 60	200-250		**413.1663H**[1)]	10/100
	9	50 60	380-415		**413.1668H**	10/100
3P+E	6	50 60	380-415		**413.1666H**[1)]	10/100
	9	50 60	200-250		**413.1664H**	10/100
3P+N+E	6	50 60	346-415		**413.1667H**[1)]	10/100

Sockets with "SAFE-IN" safety device.

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*



IP: IP44/IP54
Flange: 70X87MM

FLUSH MOUNTING SOCKETS OUTLETS - IP66/IP67/IP69 - SAFE-IN



Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**418.1660H**	10/100
	6	50 60	200-250		**418.1663H**[1)]	10/100
	9	50 60	380-415		**418.1668H**	10/100
3P+E	6	50 60	380-415		**418.1666H**[1)]	10/100
	9	50 60	200-250		**418.1664H**	10/100
3P+N+E	6	50 60	346-415		**418.1667H**[1)]	10/100

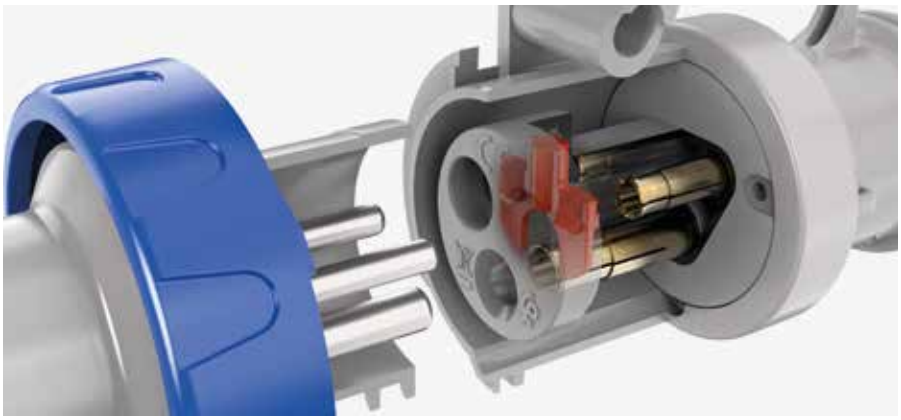
Sockets with "SAFE-IN" safety device.

[1)] *Version also available in black; just add ".K" at the end of the catalogue number.*



IP: IP66/IP67/IP69
Flange: 70X87MM

The "SAFE-IN" safety device



The "**SAFE-IN**" safety device, assembled on specific versions of the 16A industrial sockets of the OPTIMA Series, works like the protection installed on household sockets: by means of an appropriate shutter, it closes the input of the socket contact tubes and prevents accidental and voluntary contact of live parts of the socket with slim objects, such as screwdrivers or wires. This protection offers an additional safety guarantee, in addition to that already provided by the spring-loaded cover assembled on the sockets.



EUREKA Series

EUREKA is a range of 16 and 32A flush mounting industrial sockets with 90° angled socket body. The shape of the socket has the advantage of a reduced protrusion, thus preventing any damage due to accidental contacts due to excessive protrusion of the plug. The EUREKA Series electrical sockets are equipped with screw terminals.

technical sheet **p. 730**

FLUSH MOUNTING SOCKET OUTLETS - IP44 >> SCREW TERMINALS - 90° ANGLED OUTLET





IP: IP44
Flange: 70X87MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**452.16632**	10/100	**452.32632**	10/40
	3	DC	>50-250		**452.16634**	10/100	**452.32634**	10/40
	4	50 60	100-130		**452.1660**	10/100	**452.3260**	10/40
	6	50 60	200-250		**452.1663**	10/100	**452.3263**	10/40
	7	50 60	480-500		**452.16636**	10/100	**452.32636**	10/40
	8	DC	>250		**452.16638**	10/100	**452.32638**	10/40
	9	50 60	380-415		**452.1668**	10/100	**452.3268**	10/40
	12	50 60	TST>50		**452.16633**	10/100	**452.32633**	10/40
3P+E	2	>300-500	>50		**452.16662**	10/60	**452.32662**	10/40
	3	50 60	380 50Hz / 440 60Hz		**452.16664**	10/60	**452.32664**	10/40
	4	50 60	100-130		**452.1661**	10/60	**452.3261**	10/40
	5	50 60	600-690		**452.16667**	10/60	**452.32667**	10/40
	6	50 60	380-415		**452.1666**	10/60	**452.3266**	10/40
	7	50 60	480-500		**452.16666**	10/60	**452.32666**	10/40
	9	50 60	200-250		**452.1664**	10/60	**452.3264**	10/40
	10	100-300	>50		**452.16661**	10/60	**452.32661**	10/40
	11	60	440-460		**452.16665**	10/60	**452.32665**	10/40
3P+N+E	2	>300-500	>50		**452.16672**	10/60	**452.32672**	10
	3	50 60	380 50Hz / 440 60Hz		**452.16674**	10/60	**452.32674**	10
	4	50 60	100-130		**452.1662**	10/60	**452.3262**	10/40
	5	50 60	600-690		**452.16677**	10/60	**452.32677**	10
	6	50 60	346-415		**452.1667**	10/60	**452.3267**	10/40
	7	50 60	480-500		**452.16676**	10/60	**452.32676**	10
	9	50 60	208-250		**452.1665**	10/60	**452.3265**	10/40
	11	60	440-460		**452.16675**	10/60	**452.32675**	10

FLUSH MOUNTING SOCKET OUTLETS - IP66/IP67 >> SCREW TERMINALS - 90° ANGLED OUTLET





IP: IP66/IP67
Flange: 70X87MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**457.16632**	10/60	**457.32632**	10/40
	3	DC	>50-250		**457.16634**	10/60	**457.32634**	10/40
	4	50 60	100-130		**457.1660**	10/60	**457.3260**	10/40
	6	50 60	200-250		**457.1663**	10/60	**457.3263**	10/40
	7	50 60	480-500		**457.16636**	10/60	**457.32636**	10/40
	8	DC	>250		**457.16638**	10/60	**457.32638**	10/40
	9	50 60	380-415		**457.1668**	10/60	**457.3268**	10/40
	12	50 60	TST>50		**457.16633**	10/60	**457.32633**	10/40
3P+E	2	>300-500	>50		**457.16662**	10/50	**457.32662**	10/40
	3	50 60	380 50Hz / 440 60Hz		**457.16664**	10/50	**457.32664**	10/40
	4	50 60	100-130		**457.1661**	10/50	**457.3261**	10/40
	5	50 60	600-690		**457.16667**	10/50	**457.32667**	10/40
	6	50 60	380-415		**457.1666**	10/50	**457.3266**	10/40
	7	50 60	480-500		**457.16666**	10/50	**457.32666**	10/40
	9	50 60	200-250		**457.1664**	10/50	**457.3264**	10/40
	10	100-300	>50		**457.16661**	10/50	**457.32661**	10/40
	11	60	440-460		**457.16665**	10/50	**457.32665**	10/40
3P+N+E	2	>300-500	>50		**457.16672**	10/50	**457.32672**	10/40
	3	50 60	380 50Hz / 440 60Hz		**457.16674**	10/50	**457.32674**	10/40
	4	50 60	100-130		**457.1662**	10/50	**457.3262**	10/40
	5	50 60	600-690		**457.16677**	10/50	**457.32677**	10/40
	6	50 60	346-415		**457.1667**	10/50	**457.3267**	10/40
	7	50 60	480-500		**457.16676**	10/50	**457.32676**	10/40
	9	50 60	208-250		**457.1665**	10/50	**457.3265**	10/40
	11	60	440-460		**457.16675**	10/50	**457.32675**	10/40

Surface mounting socket outlets



SURFACE MOUNTING SOCKET OUTLETS

OPTIMA SERIES p. 98
Surface mounting industrial socket outlets



OPTIMA-BASE SERIES p. 100
Surface mounting industrial socket outlets with monobloc body



OPTIMA-TOP SERIES p. 102
Surface mounting industrial socket outlets with reversible base



XENIA SERIES p. 109
Surface mounting industrial socket outlets



OPTIMA-COMBI SERIES p. 110
Surface mounting industrial socket outlets with domestic socket integrated



INDUSTRIAL PLUGS AND SOCKETS

Surface mounting socket outlets - Quick selection guide

					OPTIMA Series		OPTIMA-BASE Series	OPTIMA-TOP Series		OPTIMA-TOP Series	XENIA Series
					 angled box	 straight box				 [1] SAFE-IN	
					IP44/IP54		IP44/IP54	IP44/IP54	IP44/IP54	IP44/IP54	IP44/IP54
					SCREW WIRING	SCREW WIRING	SCREW WIRING	SCREW WIRING	FAST WIRING	SCREW WIRING	SCREW WIRING
	Poles	Volt	Colour	h	Screw terminals	Screw terminals	Screw terminals	Screw terminals	Spring terminals	Screw terminals	Screw terminals
16A	2P+E	100-130V		4	512.1650	522.1650	513.1650	513.1650T	513.1650TF	513.1650TH	514.1650
		200-250V		6	512.1653	522.1653	513.1653	513.1653T	513.1653TF	513.1653TH	514.1653
		380-415V		9	512.1658	522.1658		513.1658T	513.1658TF	513.1658TH	
	3P+E	100-130V		4	512.1651	522.1651		513.1651T			
		380-415V		6	512.1656	522.1656	513.1656	513.1656T	513.1656TF	513.1656TH	514.1656
		200-250V		9	512.1654	522.1654		513.1654T	513.1654TF	513.1654TH	
	3P+N+E	100-130V		4	512.1652	522.1652		513.1652T			
		346-415V		6	512.1657	522.1657	513.1657	513.1657T	513.1657TF	513.1657TH	514.1657
		208-250V		9	512.1655	522.1655		513.1655T			
					Screw terminals	Screw terminals	Screw terminals	Screw terminals	Spring terminals		Screw terminals
32A	2P+E	100-130V		4	512.3250	522.3250	513.3250	513.3250T	513.3250TF		514.3250
		200-250V		6	512.3253	522.3253	513.3253	513.3253T	513.3253TF		514.3253
		380-415V		9	512.3258	522.3258		513.3258T	513.3258TF		
	3P+E	100-130V		4	512.3251	522.3251		513.3251T			
		380-415V		6	512.3256	522.3256	513.3256	513.3256T	513.3256TF		514.3256
		200-250V		9	512.3254	522.3254		513.3254T	513.3254TF		
	3P+N+E	100-130V		4	512.3252	522.3252		513.3252T			
		346-415V		6	512.3257	522.3257	513.3257	513.3257T	513.3257TF		514.3257
		208-250V		9	512.3255	522.3255		513.3255T			
								Mantle terminals			
63A	2P+E	200-250V		6				513.6353T			
		380-415V		9				513.6358T			
	3P+E	380-415V		6				513.6356T			
		200-250V		9				513.6354T			
	3P+N+E	346-415V		6				513.6357T			
		208-250V		9				513.6355T			
125A	2P+E	200-250V		6							
		380-415V		9							
	3P+E	380-415V		6							
		200-250V		9							
	3P+N+E	346-415V		6							
		208-250V		9							

OPTIMA Series		OPTIMA-TOP Series		OPTIMA-TOP Series
 angled box	 straight box			 [1] SAFE-IN
IP66/IP67/IP69		IP66/IP67/IP69	IP66/IP67/IP69	IP66/IP67/IP69
SCREW WIRING	SCREW WIRING	SCREW WIRING	FAST WIRING	SCREW WIRING
Screw terminals	Screw terminals	Screw terminals	Spring terminals	Screw terminals
517.1650	527.1650	518.1650T	518.1650TF	518.1650TH
517.1653	527.1653	518.1653T	518.1653TF	518.1653TH
517.1658	527.1658	518.1658T	518.1658TF	518.1658TH
517.1651	527.1651	518.1651T		
517.1656	527.1656	518.1656T	518.1656TF	518.1656TH
517.1654	527.1654	518.1654T	518.1654TF	518.1654TH
517.1652	527.1652	518.1652T		
517.1657	527.1657	518.1657T	518.1657TF	518.1657TH
517.1655	527.1655	518.1655T		
Screw terminals	Screw terminals	Screw terminals	Spring terminals	
517.3250	527.3250	518.3250T	518.3250TF	
517.3253	527.3253	518.3253T	518.3253TF	
517.3258	527.3258	518.3258T	518.3258TF	
517.3251	527.3251	518.3251T		
517.3256	527.3256	518.3256T	518.3256TF	
517.3254	527.3254	518.3254T	518.3254TF	
517.3252	527.3252	518.3252T		
517.3257	527.3257	518.3257T	518.3257TF	
517.3255	527.3255	518.3255T		
		Mantle terminals		
		518.6353T		
		518.6358T		
		518.6356T		
		518.6354T		
		518.6357T		
		518.6355T		
		518.12553T		
		518.12558T		
		518.12556T		
		518.12554T		
		518.12557T		
		518.12555T		

Terminals



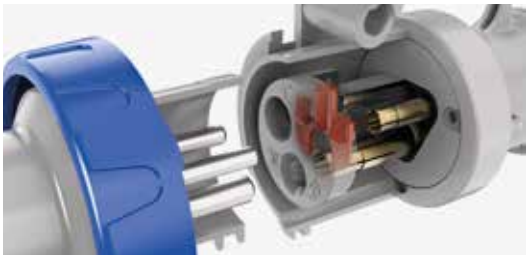


FAST WIRING - Anti vibrations



Optimal connections for high currents

[1] The "SAFE-IN" safety device



The "**SAFE-IN**" safety device, assembled on specific versions of the 16A industrial sockets of the OPTIMA Series, works like the protection installed on household sockets: by means of an appropriate shutter, it closes the input of the socket contact tubes and prevents accidental and voluntary contact of live parts of the socket with slim objects, such as screwdrivers or wires. This protection offers an additional safety guarantee, in addition to that already provided by the spring-loaded cover assembled on the sockets.

INDUSTRIAL PLUGS AND SOCKETS

Surface mounting socket outlets



OPTIMA Series

OPTIMA is a range of 16A and 32A surface mounting socket outlets, with straight or angled box.

Robust industrial sockets thanks to the use of high performance technopolymer enclosures and practical thanks to the use of screw terminals and threaded cable entry or drilling point marks on the boxes.

The unlosable co-moulded gasket guarantees a constant seal of the IP protection degree.

The electrical sockets of the OPTIMA Series do not neglect the environmental aspect, being produced with halogen-free materials.

technical sheet **p. 734**

SURFACE MOUNTING SOCKET OUTLETS - IP44/IP54 >> SCREW TERMINALS - ANGLED BOX





Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**512.1650**	10/50	**512.3250**	10/40
	6	50 60	200-250		**512.1653**	10/50	**512.3253**	10/40
	9	50 60	380-415		**512.1658**	10/50	**512.3258**	10/40
3P+E	4	50 60	100-130		**512.1651**	10/50	**512.3251**	10/40
	6	50 60	380-415		**512.1656**	10/50	**512.3256**	10/40
	9	50 60	200-250		**512.1654**	10/50	**512.3254**	10/40
3P+N+E	4	50 60	100-130		**512.1652**	10/50	**512.3252**	10/40
	6	50 60	346-415		**512.1657**	10/50	**512.3257**	10/40
	9	50 60	208-250		**512.1655**	10/50	**512.3255**	10/40

Open threaded cable entry.
Rubber threaded cable sleeve included.

IP: IP44/IP54

SURFACE MOUNTING SOCKET OUTLETS - IP44/IP54 >> SCREW TERMINALS - STRAIGHT BOX





Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**522.1650**	10/50	**522.3250**	10/40
	6	50 60	200-250		**522.1653**	10/50	**522.3253**	10/40
	9	50 60	380-415		**522.1658**	10/50	**522.3258**	10/40
3P+E	4	50 60	100-130		**522.1651**	10/50	**522.3251**	10/40
	6	50 60	380-415		**522.1656**	10/50	**522.3256**	10/40
	9	50 60	200-250		**522.1654**	10/50	**522.3254**	10/40
3P+N+E	4	50 60	100-130		**522.1652**	10/50	**522.3252**	10/40
	6	50 60	346-415		**522.1657**	10/50	**522.3257**	10/40
	9	50 60	208-250		**522.1655**	10/50	**522.3255**	10/40

Blank side with drilling point marks.
Rubber cable sleeve included.

IP: IP44/IP54

SURFACE MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> SCREW TERMINALS - ANGLED BOX





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**517.1650**	10/50	**517.3250**	10/40
	6	50 60	200-250		**517.1653**	10/50	**517.3253**	10/40
	9	50 60	380-415		**517.1658**	10/50	**517.3258**	10/40
3P+E	3	50 60	380 50Hz / 440 60Hz				**517.32564**	10/40
	4	50 60	100-130		**517.1651**	10/50	**517.3251**	10/40
	6	50 60	380-415		**517.1656**	10/50	**517.3256**	10/40
	9	50 60	200-250		**517.1654**	10/50	**517.3254**	10/40
3P+N+E	4	50 60	100-130		**517.1652**	10/40	**517.3252**	10/40
	6	50 60	346-415		**517.1657**	10/40	**517.3257**	10/40
	9	50 60	208-250		**517.1655**	10/40	**517.3255**	10/40

Open threaded cable entry.
Threaded cap/cable sleeve included.

SURFACE MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> SCREW TERMINALS - STRAIGHT BOX





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**527.1650**	10/50	**527.3250**	10/40
	6	50 60	200-250		**527.1653**	10/50	**527.3253**	10/40
	9	50 60	380-415		**527.1658**	10/50	**527.3258**	10/40
3P+E	4	50 60	100-130		**527.1651**	10/50	**527.3251**	10/40
	6	50 60	380-415		**527.1656**	10/50	**527.3256**	10/40
	9	50 60	200-250		**527.1654**	10/50	**527.3254**	10/40
3P+N+E	4	50 60	100-130		**527.1652**	10/50	**527.3252**	10/40
	6	50 60	346-415		**527.1657**	10/50	**527.3257**	10/40
	9	50 60	208-250		**527.1655**	10/50	**527.3255**	10/40

Blank side with drilling point marks.



OPTIMA-BASE Series

OPTIMA-BASE is a range of 16A and 32A surface mounting industrial socket outlet with monoblock body. Robust industrial sockets thanks to the use of high performance technopolymers and practical thanks to the use of screw terminals and rubber threaded cable sleeve for cable entry.

The OPTIMA-BASE Series sockets do not neglect the environmental aspect, being produced with halogen-free materials.

technical sheet **p. 736**

Technical information

Main characteristics



01 Single locking screw
02 One-piece removable cover
03 Screw terminals
04 External fixing points
05 M32 rubber cable sleeve

Applications examples



Industry

BASE - IP44 - SCREW TERMINALS



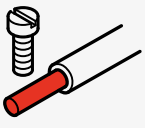
Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**513.1650**	10/40	**513.3250**	10
	6	50 60	200-250		**513.1653**	10/40	**513.3253**	10
3P+E	6	50 60	380-415		**513.1656**	10/40	**513.3256**	10
3P+N+E	6	50 60	346-415		**513.1657**	10/40	**513.3257**	10

Open threaded cable entry.
Rubber threaded cable sleeve included.



IP: IP44

Terminals



screw terminals





OPTIMA-TOP Series

OPTIMA-TOP is a complete range of surface mounting industrial socket outlets from 16 up to 125A.

Robust industrial sockets thanks to the use of high performance helogen-free technopolymer enclosures.

Versatile thanks to the variety of terminals so to always guarantee the best connection according to the type of use and the wiring needs.

Practical thanks to the reversible base and to the removable socket to facilitate wiring operations.

The SAFE-IN versions are equipped with protective shutters on the contact tubes so to prevent harmful contact with live parts, adding further safety in case of installation in places with unqualified users.

technical sheet **p. 736**

Technical information

Main characteristics







01 Clear indication of open or closed position

02 One-piece removable cover

03 3 different types of terminals: screw (16A-32A), spring (16A-32A), mantle (63A-125A)

04 SAFE-IN versions available with safety shutters

05 Removable socket for easy wiring

06 Loop-in - loop-out terminal block (accessory)

07 Threaded cable entries with knockouts to preserve IP degree

08 Reversible base with external fixing points

Applications examples



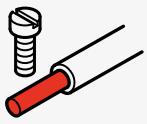
Industry

Reversible base



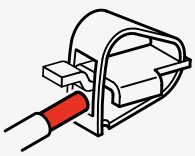


Terminals



screw terminals

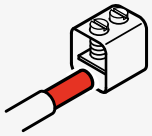




spring terminals



FAST WIRING - Anti vibrations



mantle terminals



Optimal connections for high currents

INDUSTRIAL PLUGS AND SOCKETS

Surface mounting socket outlets

TOP - IP44 - SCREW TERMINALS





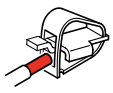
IP: IP44

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		513.16532T	10/40	513.32532T	10
	3	DC	>50-250		513.16534T	10/40	513.32534T	10
	4	50 60	100-130		513.1650T	10/40	513.3250T	10
	6	50 60	200-250		513.1653T	10/40	513.3253T	10
	7	50 60	480-500		513.16536T	10/40	513.32536T	10
	8	DC	>250		513.16538T	10/40	513.32538T	10
	9	50 60	380-415		513.1658T	10/40	513.3258T	10
	10	100-300	>50		513.16531T	10/40	513.32531T	10
	12	50 60	TST>50		513.16533T	10/40	513.32533T	10
3P+E	2	>300-500	>50		513.16562T	10/40	513.32562T	10
	3	50 60	380 50Hz / 440 60Hz		513.16564T	10/40	513.32564T	10
	4	50 60	100-130		513.1651T	10/40	513.3251T	10
	5	50 60	600-690		513.16567T	10/40	513.32567T	10
	6	50 60	380-415		513.1656T	10/40	513.3256T	10
	7	50 60	480-500		513.16566T	10/40	513.32566T	10
	9	50 60	200-250		513.1654T	10/40	513.3254T	10
	10	100-300	>50		513.16561T	10/40	513.32561T	10
	11	60	440-460		513.16565T	10/40	513.32565T	10
3P+N+E	2	>300-500	>50		513.16572T	10/40	513.32572T	10
	3	50 60	380 50Hz / 440 60Hz		513.16574T	10/40	513.32574T	10
	4	50 60	100-130		513.1652T	10/40	513.3252T	10
	5	50 60	600-690		513.16577T	10/40	513.32577T	10
	6	50 60	346-415		513.1657T	10/40	513.3257T	10
	7	50 60	480-500		513.16576T	10/40	513.32576T	10
	9	50 60	208-250		513.1655T	10/40	513.3255T	10
	10	100-300	>50		513.16571T	10/40	513.32571T	10
	11	60	440-460		513.16575T	10/40	513.32575T	10

Rubber threaded cable sleeve included.
Threaded break-through knock out.

TOP - IP44 - SPRING TERMINALS





IP: IP44

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		513.1650TF	10/40	513.3250TF	10
	6	50 60	200-250		513.1653TF	10/40	513.3253TF	10
	9	50 60	380-415		513.1658TF	10/40	513.3258TF	10
3P+E	6	50 60	380-415		513.1656TF	10/40	513.3256TF	10
	9	50 60	200-250		513.1654TF	10/40	513.3254TF	10
3P+N+E	6	50 60	346-415		513.1657TF	10/40	513.3257TF	10

Rubber threaded cable sleeve included.
Threaded break-through knock out.

TOP - IP44/IP54 - MANTLE TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**513.63532T**	4
	3	DC	>50-250		**513.63534T**	4
	4	50 60	100-130		**513.6350T**	4
	6	50 60	200-250		**513.6353T**	4
	7	50 60	480-500		**513.63536T**	4
	8	DC	>250		**513.63538T**	4
	9	50 60	380-415		**513.6358T**	4
	10	100-300	>50		**513.63531T**	4
	12	50 60	TST>50		**513.63533T**	4
3P+E	2	>300-500	>50		**513.63562T**	4
	3	50 60	380 50Hz / 440 60Hz		**513.63564T**	4
	4	50 60	100-130		**513.6351T**	4
	5	50 60	600-690		**513.63567T**	4
	6	50 60	380-415		**513.6356T**	4
	7	50 60	480-500		**513.63566T**	4
	9	50 60	200-250		**513.6354T**	4
	10	100-300	>50		**513.63561T**	4
	11	60	440-460		**513.63565T**	4
3P+N+E	2	>300-500	>50		**513.63572T**	4
	3	50 60	380 50Hz / 440 60Hz		**513.63574T**	4
	4	50 60	100-130		**513.6352T**	4
	5	50 60	600-690		**513.63577T**	4
	6	50 60	346-415		**513.6357T**	4
	7	50 60	480-500		**513.63576T**	4
	9	50 60	208-250		**513.6355T**	4
	10	100-300	>50		**513.63571T**	4
	11	60	440-460		**513.63575T**	4

Open threaded cable entry.
Threaded cap/cable sleeve included.
Cable gland included.

INDUSTRIAL PLUGS AND SOCKETS

Surface mounting socket outlets

TOP - IP66/IP67/IP69 - SCREW TERMINALS





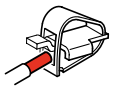
IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**518.16532T**	10/40	**518.32532T**	10
	3	DC	>50-250		**518.16534T**	10/40	**518.32534T**	10
	4	50 60	100-130		**518.1650T**	10/40	**518.3250T**	10
	6	50 60	200-250		**518.1653T**	10/40	**518.3253T**	10
	7	50 60	480-500		**518.16536T**	10/40	**518.32536T**	10
	8	DC	>250		**518.16538T**	10/40	**518.32538T**	10
	9	50 60	380-415		**518.1658T**	10/40	**518.3258T**	10
	10	100-300	>50		**518.16531T**	10/40	**518.32531T**	10
	12	50 60	TST>50		**518.16533T**	10/40	**518.32533T**	10
3P+E	2	>300-500	>50		**518.16562T**	10/40	**518.32562T**	10
	3	50 60	380 50Hz / 440 60Hz		**518.16564T**	10/40	**518.32564T**	10
	4	50 60	100-130		**518.1651T**	10/40	**518.3251T**	10
	5	50 60	600-690		**518.16567T**	10/40	**518.32567T**	10
	6	50 60	380-415		**518.1656T**	10/40	**518.3256T**	10
	7	50 60	480-500		**518.16566T**	10/40	**518.32566T**	10
	9	50 60	200-250		**518.1654T**	10/40	**518.3254T**	10
	10	100-300	>50		**518.16561T**	10/40	**518.32561T**	10
	11	60	440-460		**518.16565T**	10/40	**518.32565T**	10
3P+N+E	2	>300-500	>50		**518.16572T**	10/40	**518.32572T**	10
	3	50 60	380 50Hz / 440 60Hz		**518.16574T**	10/40	**518.32574T**	10
	4	50 60	100-130		**518.1652T**	10/40	**518.3252T**	10
	5	50 60	600-690		**518.16577T**	10/40	**518.32577T**	10
	6	50 60	346-415		**518.1657T**	10/40	**518.3257T**	10
	7	50 60	480-500		**518.16576T**	10/40	**518.32576T**	10
	9	50 60	208-250		**518.1655T**	10/40	**518.3255T**	10
	10	100-300	>50		**518.16571T**	10/40	**518.32571T**	10
	11	60	440-460		**518.16575T**	10/40	**518.32575T**	10

Threaded break-through knock out.

TOP - IP66/IP67/IP69 - SPRING TERMINALS





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		518.1650TF	10/40	518.3250TF	10
	6	50 60	200-250		518.1653TF	10/40	518.3253TF	10
	9	50 60	380-415		518.1658TF	10/40	518.3258TF	10
3P+E	3	50 60	380 50Hz / 440 60Hz				518.32564TF	10
	6	50 60	380-415		518.1656TF	10/40	518.3256TF	10
	9	50 60	200-250		518.1654TF	10/40	518.3254TF	10
3P+N+E	6	50 60	346-415		518.1657TF	10/40	518.3257TF	10

Threaded break-through knock out.

TOP - IP66/IP67/IP69 - MANTLE TERMINALS





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	2	>300-500	>50		518.63532T	4	518.125532T	1/4
	3	DC	>50-250		518.63534T	4	518.125534T	1/4
	4	50 60	100-130		518.6350T	4	518.12550T	1/4
	6	50 60	200-250		518.6353T	4	518.12553T	1/4
	7	50 60	480-500		518.63536T	4	518.125536T	1/4
	8	DC	>250		518.63538T	4	518.125538T	1/4
	9	50 60	380-415		518.6358T	4	518.12558T	1/4
	10	100-300	>50		518.63531T	4	518.125531T	1/4
	12	50 60	TST>50		518.63533T	4	518.125533T	1/4
3P+E	2	>300-500	>50		518.63562T	4	518.125562T	1/4
	3	50 60	380 50Hz / 440 60Hz		518.63564T	4	518.125564T	1/4
	4	50 60	100-130		518.6351T	4	518.12551T	1/4
	5	50 60	600-690		518.63567T	4	518.125567T	1/4
	6	50 60	380-415		518.6356T	4	518.12556T	1/4
	7	50 60	480-500		518.63566T	4	518.125566T	1/4
	9	50 60	200-250		518.6354T	4	518.12554T	1/4
	10	100-300	>50		518.63561T	4	518.125561T	1/4
	11	60	440-460		518.63565T	4	518.125565T	1/4
3P+N+E	2	>300-500	>50		518.63572T	4	518.125572T	1/4
	3	50 60	380 50Hz / 440 60Hz		518.63574T	4	518.125574T	1/4
	4	50 60	100-130		518.6352T	4	518.12552T	1/4
	5	50 60	600-690		518.63577T	4	518.125577T	1/4
	6	50 60	346-415		518.6357T	4	518.12557T	1/4
	7	50 60	480-500		518.63576T	4	518.125576T	1/4
	9	50 60	208-250		518.6355T	4	518.12555T	1/4
	10	100-300	>50		518.63571T	4	518.125571T	1/4
	11	60	440-460		518.63575T	4	518.125575T	1/4

Open threaded cable entry.
Threaded cap/cable sleeve included.
Cable gland included.

INDUSTRIAL PLUGS AND SOCKETS

Surface mounting socket outlets

TOP - IP44 - SCREW TERMINALS - SAFE-IN



Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**513.1650TH**	10/40
	6	50 60	200-250		**513.1653TH**	10/40
	9	50 60	380-415		**513.1658TH**	10/40
3P+E	6	50 60	380-415		**513.1656TH**	10/40
	9	50 60	200-250		**513.1654TH**	10/40
3P+N+E	6	50 60	346-415		**513.1657TH**	10/40

Rubber threaded cable sleeve included.
Threaded break-through knock out.
Sockets with "SAFE-IN" safety device.



IP: IP44

TOP - IP66/IP67/IP69 - SCREW TERMINALS - SAFE-IN



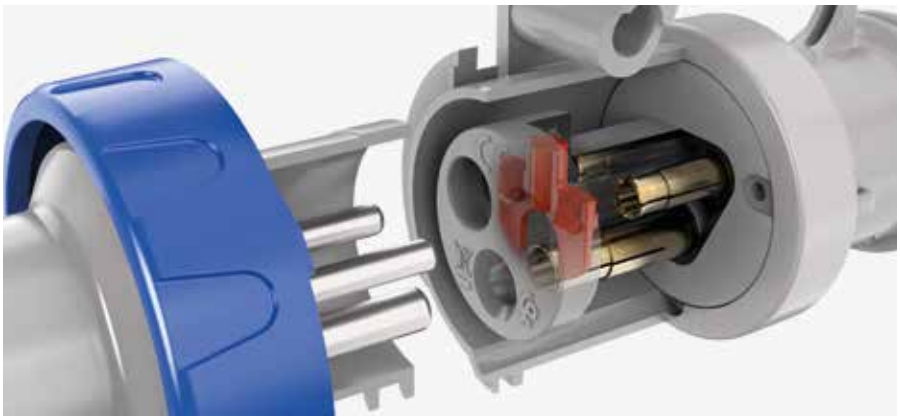
Poles	h	Hz	Volt	Colour	16A	
2P+E	4	50 60	100-130		**518.1650TH**	10/40
	6	50 60	200-250		**518.1653TH**	10/40
	9	50 60	380-415		**518.1658TH**	10/40
3P+E	6	50 60	380-415		**518.1656TH**	10/40
	9	50 60	200-250		**518.1654TH**	10/40
3P+N+E	6	50 60	346-415		**518.1657TH**	10/40

Threaded break-through knock out.
Sockets with "SAFE-IN" safety device.



IP: IP66/IP67/IP69

The "SAFE-IN" safety device



The "**SAFE-IN**" safety device, assembled on specific versions of the 16A industrial sockets of the OPTIMA Series, works like the protection installed on household sockets: by means of an appropriate shutter, it closes the input of the socket contact tubes and prevents accidental and voluntary contact of live parts of the socket with slim objects, such as screwdrivers or wires. This protection offers an additional safety guarantee, in addition to that already provided by the spring-loaded cover assembled on the sockets.



XENIA Series

XENIA is a range of 16A and 32A surface mounting industrial socket outlets with angled base.

Robust and secure industrial sockets thanks to the use of high performance technopolymer enclosures.

Practical thanks to the use of screw terminals and metric threaded entries on the base with cable sleeve.

technical sheet **p. 748**

SURFACE MOUNTING SOCKET OUTLETS - IP44/IP54 >> SCREW TERMINALS - ANGLED BOX



Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**514.1650**	10/40	**514.3250**	10/40
	6	50 60	200-250		**514.1653**	10/40	**514.3253**	10/40
3P+E	6	50 60	380-415		**514.1656**	10/40	**514.3256**	10/40
3P+N+E	6	50 60	346-415		**514.1657**	10/40	**514.3257**	10/40

Open threaded cable entry.
Rubber threaded cable sleeve included.



IP: IP44/IP54



OPTIMA-COMBI Series

OPTIMA-COMBI is a range of surface mounting industrial socket outlets combined with a domestic sockets in the main international standards. Available in 16A and 32A versions with fuse as protection of the domestic socket outlet.

Robust industrial sockets thanks to the use of high performance technopolymer enclosures.

Practical thanks to the use of screw terminals and threaded metric entries or drilling points on the bases.

The unlosable co-molded gasket guarantees a constant seal of the IP protection degree.

technical sheet **p. 738**

Technical information

Main characteristics



01 IP54 domestic socket
02 One-piece removable cover
03 Screw terminals
04 Domestic socket protection fuse
05 External fixing points
06 M32 rubber cable sleeve

COMBI - IP44/IP54 - SCREW TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	Type	16A		32A	
2P+E	6	50 60	200-250			513.1653-FN	10	513.3253-FF[1]	10
	6	50 60	200-250			513.1653-DN	10	513.3253-DF[1]	10
	6	50 60	200-250			513.1653-PN	10	513.3253-PF[1]	10
	6	50 60	200-250			513.1653-LN	10	513.3253-LF[1]	10
	6	50 60	200-250			513.1653-BN[1]	10	513.3253-BF[1]	10
	6	50 60	200-250			513.1653-SN[1]	10		
	6	50 60	200-250			513.1653-AF[1]	10	513.3253-AF[1]	10
	6	50 60	200-250			513.1653-CF[1]	10	513.3253-CF[1]	10
	6	50 60	200-250			513.1653-KN	10	513.3253-KF[1]	10
3P+E	6	50 60	380-415			513.1656-FN	10	513.3256-FF[1]	10
	6	50 60	380-415			513.1656-DN	10	513.3256-DF[1]	10
	6	50 60	380-415			513.1656-PN	10	513.3256-PF[1]	10
	6	50 60	380-415			513.1656-LN	10	513.3256-LF[1]	10
	6	50 60	380-415			513.1656-BN[1]	10	513.3256-BF[1]	10
	6	50 60	380-415			513.1656-SN[1]	10		
	6	50 60	380-415			513.1656-AF[1]	10	513.3256-AF[1]	10
	6	50 60	380-415			513.1656-CF[1]	10	513.3256-CF[1]	10
	6	50 60	380-415			513.1656-KN	10	513.3256-KF[1]	10
3P+N+E	6	50 60	346-415			513.1657-FN	10	513.3257-FF[1]	10
	6	50 60	346-415			513.1657-DN	10	513.3257-DF[1]	10
	6	50 60	346-415			513.1657-PN	10	513.3257-PF[1]	10
	6	50 60	346-415			513.1657-LN	10	513.3257-LF[1]	10
	6	50 60	346-415			513.1657-BN[1]	10	513.3257-BF[1]	10
	6	50 60	346-415			513.1657-SN[1]	10		
	6	50 60	346-415			513.1657-S5N[1]	10		
	6	50 60	346-415			513.1657-AF[1]	10	513.3257-AF[1]	10
	6	50 60	346-415			513.1657-CF[1]	10	513.3257-CF[1]	10
	6	50 60	346-415			513.1657-KN	10	513.3257-KF[1]	10

Open threaded cable entry.
Rubber threaded cable sleeve included.
COMBI version: combining industrial and household sockets.

[1] *Household socket protected by 10A fuse [time-delay] (included).*

French standard 2P+E 16A
German standard 2P+E 16A
Italian standard P30 2P+E 16A
Pluristandard P40 2P+E 16A
British standard 2P+E 13A
Swiss standard 2P+E 10A
Argentinian standard 2P+E 10A
Brazilian standard 2P+E 10A
Danish standard 2P+E 10A

Surface mounting socket outlets with switch



SURFACE MOUNTING SOCKET OUTLETS WITH SWITCH

OPTIMA-TOP SWITCH SERIES p. 114

Surface mounting industrial socket outlets with switch



OPTIMA-COMBI SWITCH SERIES p. 116

Surface mounting industrial socket outlets with switch and integrated domestic sockets



OPTIMA-COMBI REVERSE[L-0-R] SERIES p. 118

Surface mounting industrial sockets outlets with motor reversing switch and integrated domestic sockets





OPTIMA-TOP SWITCH Series

OPTIMA-TOP SWITCH is a range of 16A and 32A surface mounting industrial socket outlets with integrated switch without interlock.

Robust and secure industrial sockets thanks to the use of high performance halogen-free technopolymer enclosures.

Practical thanks to the reversible base and to the extractable socket to facilitate wiring operations.

The unlosable co-moulded gasket guarantees a constant seal of the IP protection degree.

technical sheet **p. 740**

Technical information

Main characteristics







01 One-piece removable cover
02 Clear indication of open or closed position
03 Screw terminals
04 Padlockable in the ON and OFF position
05 AC23 switch
06 Reversible base
07 External fixing points
08 Threaded cable entries with knockouts to preserve IP degree

SURFACE MOUNTING SOCKET OUTLETS - IP44/IP54 >> TOP SWITCH - SCREW TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	Cable entry	16A		32A	
2P+E	6	50 60	200-250		M25X1,5	**513.1653TS** [1) 3)]	1/6	**513.3253TS.A** [1) 3)]	1/6
	6	50 60	200-250		M32X1,5			**513.3253TS** [2)]	1/6
3P+E	6	50 60	380-415		M25X1,5	**513.1656TS** [1) 3)]	1/6	**513.3256TS.A** [1) 3)]	1/6
	6	50 60	380-415		M32X1,5			**513.3256TS** [2)]	1/6
3P+N+E	6	50 60	346-415		M25X1,5	**513.1657TS** [1) 3)]	1/6	**513.3257TS.A** [1) 3)]	1/6
	6	50 60	346-415		M32X1,5			**513.3257TS** [2)]	1/6

Rubber threaded cable sleeve included.

[1)] *Open threaded cable entry.*
[2)] *Threaded break-through knock out.*
[3)] *Threaded cap/cable sleeve included.*

SURFACE MOUNTING SOCKET OUTLETS - IP66/IP67/IP69 >> TOP SWITCH - SCREW TERMINALS



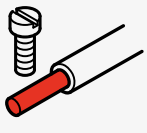


IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	Cable entry	16A		32A	
2P+E	6	50 60	200-250		M25X1,5	**518.1653TS** [1) 3)]	1/6	**518.3253TS.A** [1) 3)]	1/6
	6	50 60	200-250		M32X1,5			**518.3253TS** [2)]	1/6
3P+E	6	50 60	380-415		M25X1,5	**518.1656TS** [1) 3)]	1/6	**518.3256TS.A** [1) 3)]	1/6
	6	50 60	380-415		M32X1,5			**518.3256TS** [2)]	1/6
3P+N+E	6	50 60	346-415		M25X1,5	**518.1657TS** [1) 3)]	1/6	**518.3257TS.A** [1) 3)]	1/6
	6	50 60	346-415		M32X1,5			**518.3257TS** [2)]	1/6

[1)] *Open threaded cable entry.*
[2)] *Threaded break-through knock out.*
[3)] *Threaded cap/cable sleeve included.*

Terminals



screw terminals



Surface mounting socket outlets with switch



OPTIMA-COMBI SWITCH Series

OPTIMA-COMBI SWITCH is a range of surface mounting industrial socket outlets with integrated domestic sockets in the main international standards and switch without interlock. Available in 16A and 32A versions are equipped with fuse as protection of the domestic sockets. Robust industrial sockets thanks to the use of high performance technopolymer and practical thanks to the use of screw terminals and rubber threaded cable sleeve for cable entry.

technical sheet **p. 740**

Technical information

Main characteristics



- 01 One-piece removable cover
- 02 AC23 switch
- 03 Padlockable in the ON and OFF position
- 04 Domestic sockets protection fuse
- 05 Screw terminals
- 06 IP54 domestic socket outlets
- 07 External fixing points
- 08 M32 rubber cable sleeve

SURFACE MOUNTING SOCKET OUTLETS - IP44/IP54 >> COMBI SWITCH - SCREW TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	No. of available outlets	Type	16A		32A	
2P+E	6	50 60	200-250		1		513.1653-1FNS	1/6	513.3253-1FFS[1]	1/6
	6	50 60	200-250		1		513.1653-1DNS[2]	1/6	513.3253-1DFS[1] [2]	1/6
	6	50 60	200-250		2		513.1653-2FNS	1/6	513.3253-2FFS[1]	1/6
	6	50 60	200-250		2		513.1653-2AFS[1]	1/6	513.3253-2AFS[1]	1/6
	6	50 60	200-250		2		513.1653-2DNS[2]	1/6	513.3253-2DFS[1] [2]	1/6
3P+E	6	50 60	380-415		1		513.1656-1FNS	1/6	513.3256-1FFS[1]	1/6
	6	50 60	380-415		1		513.1656-1DNS[2]	1/6	513.3256-1DFS[1] [2]	1/6
	6	50 60	380-415		2		513.1656-2FNS	1/6	513.3256-2FFS[1]	1/6
	6	50 60	380-415		2		513.1656-2AFS[1]	1/6	513.3256-2AFS[1]	1/6
	6	50 60	380-415		2		513.1656-2KNS	1/6		
	6	50 60	380-415		2		513.1656-2DNS[2]	1/6	513.3256-2DFS[1] [2]	1/6
3P+N+E	6	50 60	346-415		1		513.1657-1FNS	1/6	513.3257-1FFS[1]	1/6
	6	50 60	346-415		1				513.3257-1CFS[1]	1/6
	6	50 60	346-415		1		513.1657-1DNS[2]	1/6	513.3257-1DFS[1] [2]	1/6
	6	50 60	346-415		2		513.1657-2FNS	1/6	513.3257-2FFS[1]	1/6
	6	50 60	346-415		2		513.1657-2AFS[1]	1/6	513.3257-2AFS[1]	1/6
	6	50 60	346-415		2		513.1657-2KNS	1/6		
	6	50 60	346-415		2		513.1657-2DNS[2]	1/6	513.3257-2DFS[1] [2]	1/6

Open threaded cable entry.
Rubber threaded cable sleeve included.
COMBI version: combining industrial and household sockets.

[1] *Household socket protected by 10A fuse [time-delay] (included).*
[2] *Shutterless socket, subject to normative restrictions or prohibitions in Europe or in other geographical areas. Check the national laws prior to using or installing it.*

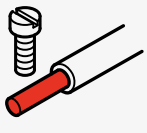
French standard 2P+E 16A

German standard 2P+E 16A

Argentinian standard 2P+E 10A

Denmark standard 2P+E 10A

Terminals



screw terminals



Surface mounting socket outlets with switch



OPTIMA-COMBI REVERSE[L-0-R] Series

OPTIMA-COMBI REVERSE[L-0-R] is a range of surface mounting industrial socket outlets with domestic sockets in the main international standards and motor reversing switch integrated.

Available in 16A and 32A versions with fuse as protection of the domestic sockets.

The motor reversing switch allows the inversion of the phases sequence of a three-phase motor allowing the easy reversal of the motion direction.

Robust industrial sockets thanks to the use of high performance technopolymers and practical thanks to the use of screw terminals and rubber threaded cable sleeve for cable entry.

technical sheet **p. 740**

Technical information

Main characteristics



01 One-piece removable cover
02 AC23 motor reversing switch
03 Padlockable in OFF position
04 Domestic sockets protection fuse
05 Screw terminals
06 IP54 domestic socket outlets
07 External fixing points
08 M32 rubber cable sleeve

SURFACE MOUNTING SOCKET OUTLETS - IP44/IP54 >> COMBI REVERSE L-0-R - SCREW TERMINALS





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	No. of available outlets	Type	16A		32A	
3P+E	6	50 60	380-415		1		513.1656-1FNR	1/6	513.3256-1FFR[1]	1/6
	6	50 60	380-415		1		513.1656-1DNR[2]	1/6	513.3256-1DFR[1] [2]	1/6
	6	50 60	380-415		2		513.1656-2FNR	1/6	513.3256-2FFR[1]	1/6
	6	50 60	380-415		2		513.1656-2DNR[2]	1/6	513.3256-2DFR[1] [2]	1/6
3P+N+E	6	50 60	346-415		1		513.1657-1FNR	1/6	513.3257-1FFR[1]	1/6
	6	50 60	346-415		1		513.1657-1DNR[2]	1/6	513.3257-1DFR[1] [2]	1/6
	6	50 60	346-415		2		513.1657-2FNR	1/6	513.3257-2FFR[1]	1/6
	6	50 60	346-415		2		513.1657-2DNR[2]	1/6	513.3257-2DFR[1] [2]	1/6

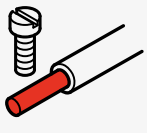
Open threaded cable entry.
Rubber threaded cable sleeve included.
COMBI version: combining industrial and household sockets.
REVERSE L-0-R: With phase reversing switch.

[1] *Household socket protected by 10A fuse [time-delay] (included).*
[2] *Shutterless socket, subject to normative restrictions or prohibitions in Europe or in other geographical areas. Check the national laws prior to using or installing it.*

French standard 2P+E 16A

German standard 2P+E 16A

Terminals



screw terminals





DOMESTIC SOCKET OUTLETS

DOMO IP54 SERIES
Splashproof domestic socket outlets
p. 122



DOMO IP66/IP67/IP69 SERIES
Watertight domestic socket outlets with plug insterted
p. 124



DOMOPLUS SERIES
Watertight domestic socket outlets with plug insterted
p. 126



QUICK SERIES
Domestic plugs and connectors with rubber body
p. 130



ACCESSORIES
Accessories for domestic socket outlets
p. 131





DOMO IP54 Series

DOMO IP54 is a range of flush or surface mounting domestic socket outlets available in the main Italian and international Standards. Ideal for powering single-phase devices such as drills or small milling machines in industry and services sectors.

The electrical sockets of the DOMO IP54 Series are suitable for wall mounting using the appropriate boxes or flush mounting on SCAME industrial distribution boards, adapters and cable reels.

technical sheet **p. 726**

FLUSH MOUNTING >> 50X60MM

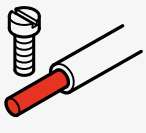


IP: IP54

Description	Type	Poles	Current	Volt	Code	
FLUSH-MOUNTING SOCKET					**570.2045**	10/100
					570.2046	10/100
		2P+E	16A	250	**570.2091**	10/100
		2P+E	16A	250	**570.2062**	10/100
		2P+E	16A	250	**570.2062-SW** 2)	10/100
		2P+E	16A	250	**570.2591** 1)	10/100
		2P+E	16A	250	**570.2081**	10/100
		2P+E	16A	250	**570.2051**	10/100
		2P+E	13A	250	**570.2041**	10/100
		2P+E	16A	250	**570.2071**	10/100
		2P+E	10A	250	**570.2093**	10/100
		2P+E	20A	250	**570.2092**	10/100
		2P+E	16A	250	**570.2561** 1)	10/100

1) *Shutterless socket, subject to normative restrictions or prohibitions in Europe or in other geographical areas. Check the national laws prior to using or installing it.*
2) *When plug is inserted a micro-switch is activated and closes the circuit.*

Terminals



screw terminals



FLUSH MOUNTING >> 70X87MM



IP: IP54

Description	Type	Poles	Current	Volt	Code	
FLUSH-MOUNTING SOCKET					**570.4045**	10/100
					570.4046	10/100
		2P+E	16A	250	**570.4091**	10/100
		2P+E	16A	250	**570.4091-SW**[1]	10/100
		2P+E	16A	250	**570.4062**	10/100
		2P+E	16A	250	**570.4062-SW**[1]	10/100
		2P+E	16A	250	**570.4081**	10/100
		2P+E	16A	250	**570.4051**	10/100
		2P+E	13A	250	**570.4041**	10/100
		2P+E	16A	250	**570.4071**	10/100
		2P+E	10A	250	**570.4093**	10/100
		2P+E	20A	250	**570.4092**	10/100

[1] *When plug is inserted a micro-switch is activated and closes the circuit.*

SURFACE MOUNTING >> 70X87MM



IP: IP54

Description	Type	Poles	Current	Volt	Code	
SURFACE MOUNTING SOCKET		2P+E	16A	250	**570.4191**	9/90
		2P+E	16A	250	**570.4162**	9/90
		2P+E	16A	250	**570.4181**	9/90
		2P+E	16A	250	**570.4151**	9/90
		2P+E	13A	250	**570.4141**	9/90
		2P+E	16A	250	**570.4171**	9/90
		2P+E	10A	250	**570.4193**	9/90
		2P+E	20A	250	**570.4192**	9/90

Blank side with drilling point marks.
Rubber cable sleeve included.

French standard 2P+E 16A
German standard 2P+E 16A
Italian standard P17/11 2P+E 16A
Italian standard P30 2P+E 16A
Pluristandard P40 2P+E 16A
British standard 2P+E 13A
Argentinian standard 2P+E 10A
Brazilian standard 2P+E 10A



DOMO IP66/IP67/IP69 Series

DOMO IP66/IP67/IP69 is a range of mobile and flush mounting German and French Standard plugs and socket outlets.

Plugs and connectors are fast to wire thanks to the opening of the body by means of a snap-on steel spring mechanism and the external cable gland with cable clamp function.

DOMO IP66/IP67 Series electrical sockets are ideal for powering single-phase devices such as drills or small milling machines in industry and services sectors.

The flush mounting versions are suitable for wall mounting using the appropriate boxes or flush mounting on SCAME industrial distribution boards, adaptors and cable reels.

technical sheet **p. 727**

CONNECTORS



Description	Type	Poles	Current	Colour	Code	
CONNECTOR		2P+E	16A		**570.3160**	10/40





Description	Type	Poles	Current	Colour	Code	
CONNECTOR		2P+E	16A		**570.3150**	10/40

IP: IP66/IP67/IP69

PLUGS





Description	Type	Poles	Current	Colour	Code	
PLUG		2P+E	16A		**570.3100**	10/40

IP: IP66/IP67/IP69

Terminals



screw terminals



FLUSH MOUNTING SOCKETS



IP: IP66/IP67/IP69
Flange: 70x87mm

Description	Type	Poles	Current	Colour	Code	
FLUSH-MOUNTING SOCKET		2P+E	16A		**570.4562**	1/10



IP: IP66/IP67/IP69
Flange: 70x87mm

Description	Type	Poles	Current	Colour	Code	
FLUSH-MOUNTING SOCKET		2P+E	16A		**570.4591**	1/10



IP: IP66/IP67/IP69
Flange: 75x75mm

Description	Type	Poles	Current	Colour	Code	
FLUSH-MOUNTING SOCKET		2P+E	16A		**570.7562**	1/10



IP: IP66/IP67/IP69
Flange: 75x75mm

Description	Type	Poles	Current	Colour	Code	
FLUSH-MOUNTING SOCKET		2P+E	16A		**570.7591**	1/10

French standard 2P+E 16A

German standard 2P+E 16A

French/ German standard 2P+E 16A



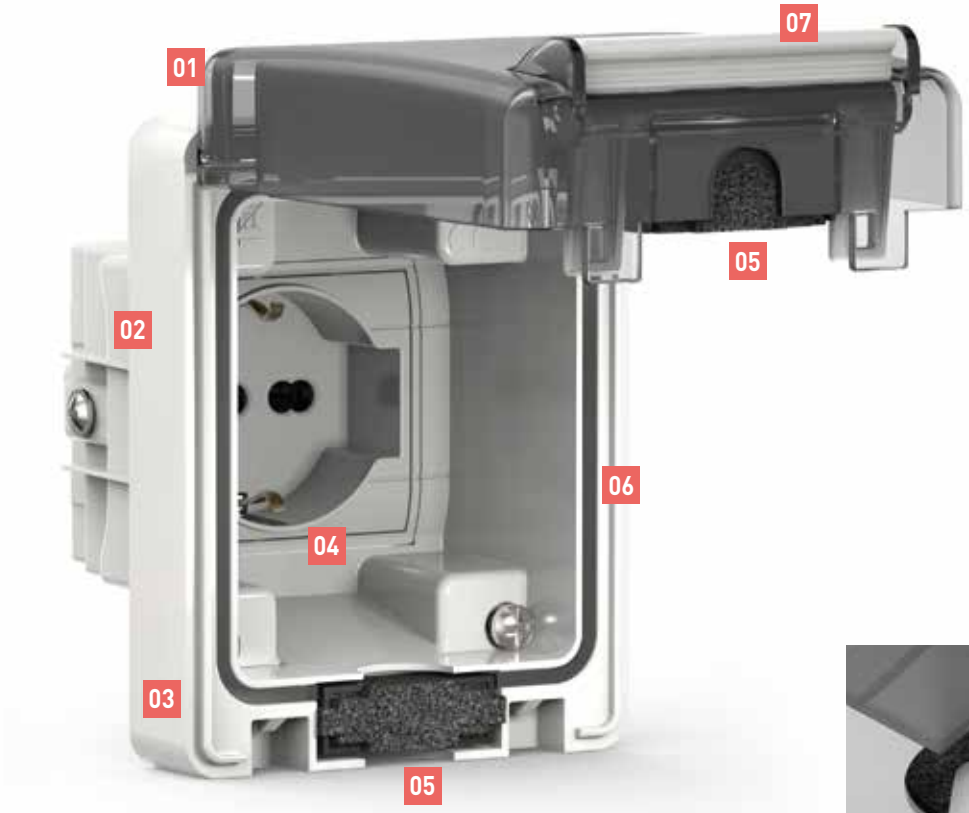
DOMOPLUS Series

DOMOPLUS is a range of watertight domestic socket outlets rated IP66 index of protection even with plug inserted, available in the main Italian and international standard. Ideal for feeding single-phase devices such as drills and small milling machines in the industrial, services and building construction sectors. The electrical sockets of the DOMOPLUS Series are suitable for surface mounting using the appropriate box or flush mounting on the SCAME distribution boards.

technical sheet **p. 728**

Technical information

Main characteristics





01 Tinted polycarbonate cover to view the inside

02 Tilting socket frame to facilitate insertion of the various plug configurations (fixed with terminal block for British version)

03 Enclosure with reduced protrusion to prevent breakage due to accidental impacts

04 Domestic sockets in the main international standards

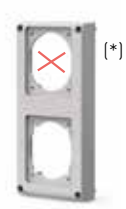
05 Cable sleeve gaskets to maintain the IP66 degree of protection even with the plug inserted

06 Unlosable gasket to preserve the IP degree of protection

07 Cover fitted with wing to facilitate opening and closing operations

Compatibility

PROXIMA System - Components 103x230mm
70X87mm flange adaptor



(*)

573.5002

DOMOPLUS Series 70x87mm

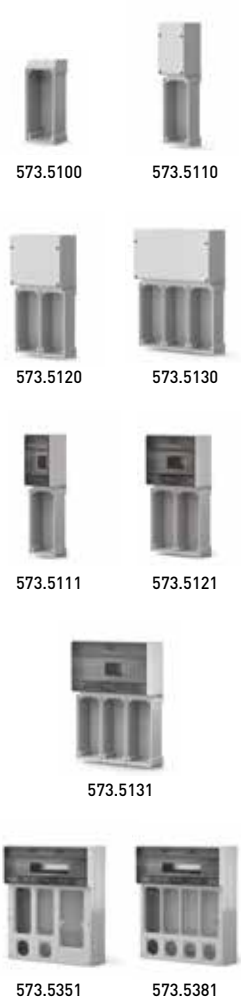


OMNIA System - Components 136x125mm
70X87mm flange adaptor



654.0125

PROXIMA System



573.5100 573.5110
573.5120 573.5130
573.5111 573.5121
573.5131
573.5351 573.5381

DOMINO IP66 Series



672.1301 672.1300 672.2300 672.3300
672.4316 672.5616 672.5822

BLOCK Series



632.1500-000 632.1530-000 632.3500-000 (*) 632.3520-000 (*)
632.3501-000 632.4500-000 632.4520-000
632.4530-000 632.5520-000 632.5500-000 (*)

ENERBOX Series



633.1013 633.2024 633.1011 633.2021

MBOX Series

MBOX2



656.0026-000
656.0926-000

MBOX3



657.0038-000 657.0039-000
657.0938-000 657.0939-000

DOMINO IP66 Series



672.1200 672.2200 672.3200 672.4216
672.5316 672.5416 672.5522 672.5622

OMNIA System



572.0200 572.0205 572.0310 572.0322
572.0318 572.0312 572.0314 572.0316
572.0317 572.0311 572.0313 572.0315

MBOX Series

MBOX2 MBOX3 MBOX5



656.0024-000
656.0924-000

657.0035-000 657.0935-000
657.0036-000 657.0936-000
657.0037-000 657.0937-000

658.0050-000
658.0051-000
658.0950-000
658.0951-000

(*) cannot be installed in the indicated position.

INDUSTRIAL PLUGS AND SOCKETS

Domestic socket outlets

FLUSH MOUNTING 70X87MM



IP: IP66

Description	Type	Poles	Current	Volt	Code	
RJ45 OUTLET					**570.6481.60** [1]	12
GERMAN STANDARD SOCKET		2P+E	16A	250	**570.6407**	12
ITALIAN P30 STANDARD SOCKET		2P+E	16A	250	**570.6404**	12
ITALIAN P40 STANDARD SOCKET		2P+E	16A	250	**570.6405**	12
SINGLE UNSWITCHED SOCKET		2P+E	15A	250	**570.6414**	12
		2P+E	13A	250	**570.6413**	12
ITALIAN P17/11 STANDARD SOCKET		2P+E	16A	250	**570.6403**	12
FRENCH STANDARD SOCKET		2P+E	16A	250	**570.6411**	12
ARGENTINIAN STANDARD SOCKET		2P+E	10A	250	**570.6424**	12
		2P+E	20A	250	**570.6426**	12
NEOZELANDER STANDARD SOCKET		2P+E	10A	250	**570.6427**	12
SOUTH AFRICAN STANDARD SOCKET		2P+E	16A	250	**570.6428**	12
SWISS STANDARD SOCKET		2P+E	10A	250	**570.6417**	12
INDIAN STANDARD SOCKET		2P+E	6A 16A	250	**570.6429**	12
BRAZILIAN STANDARD SOCKET		2P+E	10A	250	**570.6421**	12

Not suitable for surface mounting boxes DOMO Series.
Suitable for OMNIA-DOMINO-ADAPTO-BLOCK-MBOX Series distribution assemblies.

[1] *RJ45 - Cat.6.*

Terminals



screw terminals




French standard 2P+E 16A


German standard 2P+E 16A


Italian standard P17/11 2P+E 16A


Italian standard P30 2P+E 16A


Pluristandard P40 2P+E 16A


British standard 2P+E 13A


British standard 2P+E 15A


Swiss standard 2P+E 10A


Argentinian standard 2P+E 10A


Brazilian standard 2P+E 10A


New Zealand standard 2P+E 10A


South African standard 2P+E 16A


Indian standard 2P+E 6A-16A

ACCESSORIES



Description	Flange	IP	Code	
ENCLOSURE	70X87MM	IP66	**570.6001**	12

Not suitable for surface mounting boxes DOMO Series.
Suitable for OMNIA-DOMINO-ADAPTO-BLOCK-MBOX Series distribution assemblies.
Empty enclosure.
Accepts SCAME EVOLUTION Series inserts.



Description	Flange	Dimensions	IP	Code	
PANEL MOUNTING ADAPTOR		127x104mm	IP66	**570.6011**	5

DOMOPLUS panel mouning adaptor for smooth surfaces



QUICK Series

QUICK is a range of German and French Standard mobile electrical plugs and sockets with IP44 degree of protection, resistant to impact thanks to the black rubber bodies.

technical sheet **p. 880**

DOMESTIC PLUGS AND CONNECTORS WITH RUBBER BODY



Description	Standard	Current	Poles	Colour	Code	
CONNECTOR		16A	2P+E		**110.3160**	10/150



Description	Standard	Current	Poles	Colour	Code	
CONNECTOR		16A	2P+E		**110.3150**	10/150



Description	Standard	Current	Poles	Colour	Code	
PLUG		16A	2P+E		**110.3100**	10/150

French standard 2P+E 16A

German standard 2P+E 16A

French/ German standard 2P+E 16A

Accessories for domestic socket outlets





WATERTIGHT COVER



Description	Flange	IP	Notes	Code	
CABINET FIXING	50X60MM		COUPLE	**570.2001**	10/100



Description	Flange	IP	Notes	Code	
FLUSH MOUNTING FRAME	70X87MM	IP55	B-TICINO MODULES	**570.5012**	10/100

Modules snap into place.
Manufactured with the autorization from Bticino spa company and is suitable to house "Living International", "Luna", "Light" and "Light Tech" modules which are registered trademarks owned by Bticino.



Description	Flange	IP	Notes	Code	
FLUSH MOUNTING FRAME	70X87MM	IP55	EVOLUTION MODULES	**570.5052**	10/100

Modules snap into place.



ACCESSORIES FOR PLUGS AND SOCKETS

ACCESSORIES FOR PLUGS
Accessories for installation and protection
p. 134



ACCESSORIES FOR SOCKETS
Accessories for installation and protection
p. 135





Accessories for plugs

Accessories for plugs and socket outlets installation.

COVER FOR IP44/IP54 INLETS



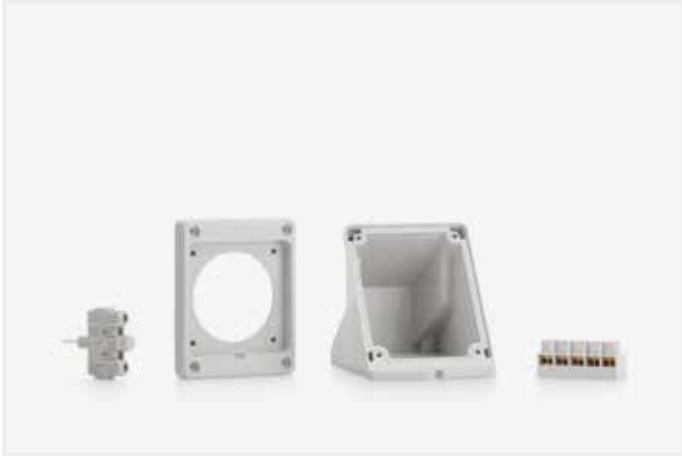
Description	IP	Current	Poles	Code	
APPLIANCE INLET COVER	IP44/IP54	16A	2/3P+E	**570.9001**	5/50
	IP44/IP54	16A 32A	ALL	**570.9002**	5/50

Only for surface mounting inlets.

COVERS



Description	IP	Current	Poles	Code	
PLUG CAP	IP66/IP67/IP69	16A 20A	2P+E	**570.90163**	10/100
	IP66/IP67/IP69	16A 20A	3P+E	**570.90164**	10/100
	IP66/IP67/IP69	16A 20A	3P+N+E	**570.90165**	10/100
	IP66/IP67/IP69	30A 32A	3P+N+E	**570.90325**	10/100
	IP66/IP67/IP69	30A 32A	2/3P+E	**570.90324**	10/100
	IP66/IP67/IP69	60A 63A	ALL	**570.9063**	10
	IP66/IP67/IP69	100A 125A	ALL	**570.9125**	10



Accessories for sockets

Accessories for plugs and socket outlets installation.

BOXES >> SURFACE MOUNTING BOXES - ANGLED



Description	IP	Current	Cable entry	Flange	Code	
SURFACE MOUNTING BOX	IP66/IP67/IP69	16A	DRILLING POINT MARK	70x87	**570.0116** 3) 4) 5)	10
	IP66/IP67/IP69	16A	DRILLING POINT MARK	70x87	**570.0116.K** 3) 4) 5)	10
	IP66/IP67/IP69	16A	M20X1,5	70x87	**570.0116.20** 1) 2) 5)	10
	IP66/IP67/IP69	16A	M20X1,5	70x87	**570.0116.20.K** 1) 2) 5)	10
	IP66/IP67/IP69	16A	M25X1,5	70x87	**570.0116.25** 1) 2) 5)	10
	IP66/IP67/IP69	16A	M25X1,5	70x87	**570.0116.25.K** 1) 2) 5)	10
	IP66/IP67/IP69	32A	DRILLING POINT MARK	84x106	**570.0132** 3) 4)	10
	IP66/IP67/IP69	32A	DRILLING POINT MARK	84x106	**570.0132.K** 3) 4)	10
	IP66/IP67/IP69	32A	M32X1,5	84x106	**570.0132.32** 1) 2)	10
	IP66/IP67/IP69	32A	M32X1,5	84x106	**570.0132.32.K** 1) 2)	10
	IP66/IP67/IP69	63A	M32X1,5	100x100	**570.M0163** 1) 2)	6
	IP66/IP67/IP69	125A	M63X1,5	114x114	**570.M0125** 1) 2)	6

Suitable for the sealing caps.
Supplied with socket fastening screws.

1) *Open threaded cable entry.*
2) *Threaded cap/cable sleeve included.*
3) *Blank side with drilling point marks.*
4) *Rubber cable sleeve included.*
5) *Not suitable for DOMOPLUS Series.*

BOXES >> SURFACE MOUNTING BOXES - STRAIGHT



Description	IP	Current	Cable entry	Flange	Code	
SURFACE MOUNTING BOX	IP66/IP67/IP69	16A	DRILLING POINT MARK	70x87	**570.0016** 1)	10/100
	IP66/IP67/IP69	32A	DRILLING POINT MARK	84x106	**570.0032**	10

Blank side with drilling point marks.
Rubber cable sleeve included.
Suitable for the sealing caps.
Supplied with socket fastening screws.

1) *Not suitable for DOMOPLUS Series.*

INDUSTRIAL PLUGS AND SOCKETS

Accessories for plugs and sockets

KIT >> FLANGE ADAPTER



Description	Flange	IP	Notes	Code	
FLANGE ADAPTER	84X106MM	IP66	84x106 --> 75x75	**654.0108**	1/5

With gasket.

KIT >> KIT MICRO-SWITCH (SUITABLE FOR OPTIMA SERIES)



Description	Notes	Code	
MICROSWITCH KIT	16/32A NC	**654.0392** [2)]	10
	16/32A NO	**654.0391** [1)]	10
	63/125A NC	**654.0394** [2)]	10
	63/125A NO	**654.0393** [1)]	10

Suited for flush mounting angled outlet versions only.
For inserted plug detection.

[1)] *NO=Normally open.*
[2)] *NC=Normally closed.*

KIT >> KIT ACCESSORIES FOR PLUGS AND SOCKETS



Description	Poles	Notes	Code	
TERMINAL BLOCKS LOOP IN/OUT	5P	6mm²	**654.0382**	10/100

For 5-pole OPTIMA-TOP executions.

KIT >> KIT ACCESSORIES FOR PLUGS AND SOCKETS



Description	IP	Thread	Colour	Code	
THREADED CABLE SLEEVE	IP55	M20X1,5		**805.5020**	100/1.000
	IP55	M25X1,5		**805.5025**	100/1.000
	IP55	M32X1,5		**805.5032**	100/1.000



PLUGS AND SOCKETS FOR SPECIFIC APPLICATIONS

IEC309 SERIES
p. 140

Extra low voltage industrial plugs and sockets outlets <50V



OPTIMA-MIL SERIES
p. 146

Industrial plugs and socket outlets for military sector



Applications: Military

EUREKA-HD[UL] SERIES
p. 150

Industrial plugs and socket outlets UL/CSA listed



OPTIMA-SEVEN SERIES
p. 161

7 poles industrial plugs and socket outlets



Applications: Construction site

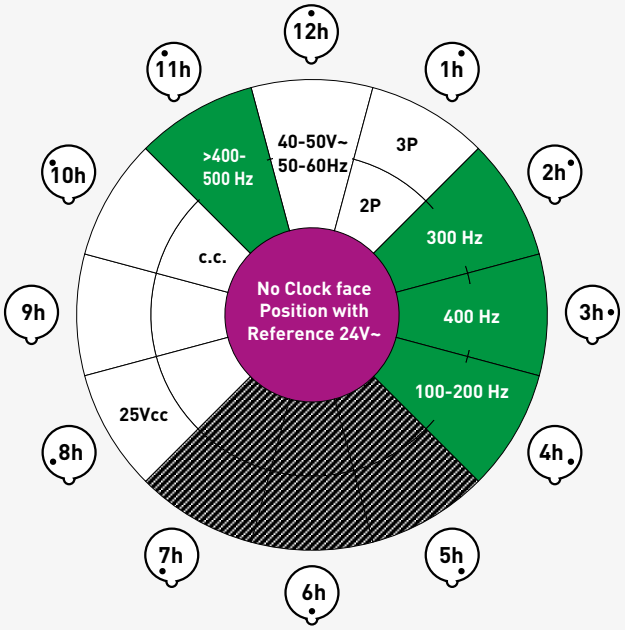


IEC309 Series

IEC309 is a range of industrial plugs and sockets for mobile, surface or flush mounting intallation for very low voltage applications of less than 50V. Functional thanks to the adoption of screw terminals.

Technical information

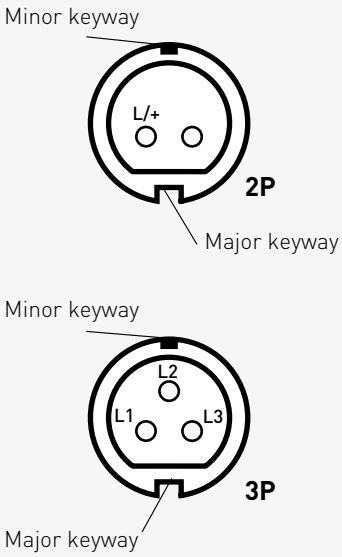
CLOCK FACE POSITION - IEC RATINGS



Clock diagram

No clock face position with Reference 24V-.
Clock face position (h) of the minor keyway of extra-low voltage (<50V) industrial plugs and sockets to IEC 60309-2 for different applications (polarity, voltage, frequency, current).

SOCKET (FRONT VIEW)



Clock face position

Viewing the socket from the front, the clock face position (h) is established by observing the position of the minor keyway with respect to the major keyway, which is always situated at 6 o'clock. The different voltages are identified by conventional colour codes.

Synoptic table of standard industrial plugs and sockets to IEC 60309-2

RATED OPERATING VOLTAGE <50V~ (ELV)

Poles	Frequency Hz	Rated operating voltage V	Minor keyway clock face position (h) 16A and 32A without reference	Colour code
2P	50 and 60	20÷25	without ref.	
	50 and 60	40÷50	12	
	100÷200	20÷25 and 40÷50	4	1)
	300	20÷25 and 40÷50	2	1)
	400	20÷25 and 40÷50	3	1)
	>400÷500	20÷25 and 40÷50	11	1)
	c.c.	20÷25 and 40÷50	10	
3P	50 and 60	20÷25	without ref.	
	50 and 60	40÷50	12	
	100÷200	20÷25 and 40÷50	4	1)
	300	20÷25 and 40÷50	2	1)
	400	20÷25 and 40÷50	3	1)
	>400÷500	20÷25 and 40÷50	11	1)
	c.c.	25	8	2)

1) *Combinations of green with the colour of the rated operating voltage can be used to identify frequencies >60÷500Hz.*
2) *Portable electric incubators. Use at 12 Vd.c. or 24 Vd.c. on ambulances or helicopters.*

Applications examples


Shipyard


Building construction site


Airport

INDUSTRIAL PLUGS AND SOCKETS

Plugs and sockets for specific applications

IEC309 SERIES - PLUGS AND CONNECTORS >> PLUGS - IP44/IP54





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		**230.1600**	10/100	**230.3200**	10/100
	2	300	20-25 40-50		**230.16012**	10/100	**230.32012**	10/100
	3	400	20-25 40-50		**230.16014**	10/100	**230.32014**	10/100
	4	100-200	20-25 40-50		**230.16010**	10/100	**230.32010**	10/100
	10	DC	20-25 40-50		**230.1602**	10/100	**230.3202**	10/100
	11	>400-500	20-25 40-50		**230.16015**	10/100	**230.32015**	10/100
	12	50 60	40-50		**230.1601**	10/100	**230.3201**	10/100
3P		50 60	20-25		**230.1604**	10/100	**230.3204**	10/100
	2	300	20-25 40-50		**230.16032**	10/100	**230.32032**	10/100
	3	400	20-25 40-50		**230.16034**	10/100	**230.32034**	10/100
	4	100-200	20-25 40-50		**230.16030**	10/100	**230.32030**	10/100
	11	>400-500	20-25 40-50		**230.16035**	10/100	**230.32035**	10/100
	12	50 60	40-50		**230.1603**	10/100	**230.3203**	10/100

IEC309 SERIES - PLUGS AND CONNECTORS >> CONNECTORS - IP44/IP54





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		**330.1605**	10/100	**330.3205**	10/100
	2	300	20-25 40-50		**330.16062**	10/100	**330.32062**	10/100
	3	400	20-25 40-50		**330.16064**	10/100	**330.32064**	10/100
	4	100-200	20-25 40-50		**330.16060**	10/100	**330.32060**	10/100
	10	DC	20-25 40-50		**330.1607**	10/100	**330.3207**	10/100
	11	>400-500	20-25 40-50		**330.16065**	10/100	**330.32065**	10/100
	12	50 60	40-50		**330.1606**	10/100	**330.3206**	10/100
3P		50 60	20-25		**330.1609**	10/100	**330.3209**	10/100
	2	300	20-25 40-50		**330.16082**	10/100	**330.32082**	10/100
	3	400	20-25 40-50		**330.16084**	10/100	**330.32084**	10/100
	4	100-200	20-25 40-50		**330.16080**	10/100	**330.32080**	10/100
	11	>400-500	20-25 40-50		**330.16085**	10/100	**330.32085**	10/100
	12	50 60	40-50		**330.1608**	10/100	**330.3208**	10/100

IEC309 SERIES - PLUGS AND CONNECTORS >> PLUGS - IP66/IP67





IP: IP66/IP67

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		**235.1600**	10/100	**235.3200**	10/100
	2	300	20-25 40-50		**235.16012**	10/100	**235.32012**	10/100
	3	400	20-25 40-50		**235.16014**	10/100	**235.32014**	10/100
	4	100-200	20-25 40-50		**235.16010**	10/100	**235.32010**	10/100
	10	DC	20-25 40-50		**235.1602**	10/100	**235.3202**	10/100
	11	>400-500	20-25 40-50		**235.16015**	10/100	**235.32015**	10/100
	12	50 60	40-50		**235.1601**	10/100	**235.3201**	10/100
3P		50 60	20-25		**235.1604**	10/100	**235.3204**	10/100
	2	300	20-25 40-50		**235.16032**	10/100	**235.32032**	10/100
	3	400	20-25 40-50		**235.16034**	10/100	**235.32034**	10/100
	4	100-200	20-25 40-50		**235.16030**	10/100	**235.32030**	10/100
	11	>400-500	20-25 40-50		**235.16035**	10/100	**235.32035**	10/100
	12	50 60	40-50		**235.1603**	10/100	**235.3203**	10/100

IEC309 SERIES - PLUGS AND CONNECTORS >> CONNECTORS - IP66/IP67





IP: IP66/IP67

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		335.1605	10/100	335.3205	10/50
	2	300	20-25 40-50		335.16062	10/100	335.32062	10/50
	3	400	20-25 40-50		335.16064	10/100	335.32064	10/50
	4	100-200	20-25 40-50		335.16060	10/100	335.32060	10/50
	10	DC	20-25 40-50		335.1607	10/100	335.3207	10/50
	11	>400-500	20-25 40-50		335.16065	10/100	335.32065	10/50
	12	50 60	40-50		335.1606	10/100	335.3206	10/50
3P		50 60	20-25		335.1609	10/100	335.3209	10/50
	2	300	20-25 40-50		335.16082	10/100	335.32082	10/50
	3	400	20-25 40-50		335.16084	10/100	335.32084	10/50
	4	100-200	20-25 40-50		335.16080	10/100	335.32080	10/50
	11	>400-500	20-25 40-50		335.16085	10/100	335.32085	10/50
	12	50 60	40-50		335.1608	10/100	335.3208	10/50

IEC309 SERIES - FLUSH MOUNTING SOCKET OUTLETS >> FLUSH MOUNTING SOCKET OUTLETS - ANGLED OUTLET - IP44/IP54





IP: IP44/IP54
Flange: 70x87MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		430.1615	10/100	430.3215	10/100
	2	300	20-25 40-50		430.16162	10/100	430.32162	10/100
	3	400	20-25 40-50		430.16164	10/100	430.32164	10/100
	4	100-200	20-25 40-50		430.16160	10/100	430.32160	10/100
	10	DC	20-25 40-50		430.1617	10/100	430.3217	10/100
	11	>400-500	20-25 40-50		430.16165	10/100	430.32165	10/100
	12	50 60	40-50		430.1616	10/100	430.3216	10/100
3P		50 60	20-25		430.1619	10/100	430.3219	10/100
	2	300	20-25 40-50		430.16182	10/100	430.32182	10/100
	3	400	20-25 40-50		430.16184	10/100	430.32184	10/100
	4	100-200	20-25 40-50		430.16180	10/100	430.32180	10/100
	11	>400-500	20-25 40-50		430.16185	10/100	430.32185	10/100
	12	50 60	40-50		430.1618	10/100	430.3218	10/100

IEC309 SERIES - FLUSH MOUNTING SOCKET OUTLETS >> FLUSH MOUNTING SOCKET OUTLETS - STRAIGHT OUTLET - IP44/IP54





IP: IP44/IP54
Flange: 55x55MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		430.1615/R	10/100	430.3215/R	10/100
	2	300	20-25 40-50		430.16162/R	10/100	430.32162/R	10/100
	3	400	20-25 40-50		430.16164/R	10/100	430.32164/R	10/100
	4	100-200	20-25 40-50		430.16160/R	10/100	430.32160/R	10/100
	10	DC	20-25 40-50		430.1617/R	10/100	430.3217/R	10/100
	11	>400-500	20-25 40-50		430.16165/R	10/100	430.32165/R	10/100
	12	50 60	40-50		430.1616/R	10/100	430.3216/R	10/100
3P		50 60	20-25		430.1619/R	10/100	430.3219/R	10/100
	2	300	20-25 40-50		430.16182/R	10/100	430.32182/R	10/100
	3	400	20-25 40-50		430.16184/R	10/100	430.32184/R	10/100
	4	100-200	20-25 40-50		430.16180/R	10/100	430.32180/R	10/100
	11	>400-500	20-25 40-50		430.16185/R	10/100	430.32185/R	10/100
	12	50 60	40-50		430.1618/R	10/100	430.3218/R	10/100

INDUSTRIAL PLUGS AND SOCKETS

Plugs and sockets for specific applications

IEC309 SERIES - FLUSH MOUNTING SOCKET OUTLETS >> FLUSH MOUNTING SOCKET OUTLETS - ANGLED OUTLET - IP66/IP67





IP: IP66/IP67
Flange: 70x87MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		435.1615	10/100	435.3215	10/100
	2	300	20-25 40-50		435.16162	10/100	435.32162	10/100
	3	400	20-25 40-50		435.16164	10/100	435.32164	10/100
	4	100-200	20-25 40-50		435.16160	10/100	435.32160	10/100
	10	DC	20-25 40-50		435.1617	10/100	435.3217	10/100
	11	>400-500	20-25 40-50		435.16165	10/100	435.32165	10/100
	12	50 60	40-50		435.1616	10/100	435.3216	10/100
3P		50 60	20-25		435.1619	10/100	435.3219	10/100
	2	300	20-25 40-50		435.16182	10/100	435.32182	10/100
	3	400	20-25 40-50		435.16184	10/100	435.32184	10/100
	4	100-200	20-25 40-50		435.16180	10/100	435.32180	10/100
	11	>400-500	20-25 40-50		435.16185	10/100	435.32185	10/100
	12	50 60	40-50		435.1618	10/100	435.3218	10/100

IEC309 SERIES - FLUSH MOUNTING SOCKET OUTLETS >> FLUSH MOUNTING SOCKET OUTLETS - STRAIGHT OUTLET - IP66/IP67





IP: IP66/IP67
Flange: 55x55MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		435.1615/R	10/100	435.3215/R	10/100
	2	300	20-25 40-50		435.16162/R	10/100	435.32162/R	10/100
	3	400	20-25 40-50		435.16164/R	10/100	435.32164/R	10/100
	4	100-200	20-25 40-50		435.16160/R	10/100	435.32160/R	10/100
	10	DC	20-25 40-50		435.1617/R	10/100	435.3217/R	10/100
	11	>400-500	20-25 40-50		435.16165/R	10/100	435.32165/R	10/100
	12	50 60	40-50		435.1616/R	10/100	435.3216/R	10/100
3P		50 60	20-25		435.1619/R	10/100	435.3219/R	10/100
	2	300	20-25 40-50		435.16182/R	10/100	435.32182/R	10/100
	3	400	20-25 40-50		435.16184/R	10/100	435.32184/R	10/100
	4	100-200	20-25 40-50		435.16180/R	10/100	435.32180/R	10/100
	11	>400-500	20-25 40-50		435.16185/R	10/100	435.32185/R	10/100
	12	50 60	40-50		435.1618/R	10/100	435.3218/R	10/100

IEC309 SERIES - SURFACE MOUNTING SOCKET OUTLETS >> SURFACE MOUNTING SOCKET OUTLETS - STRAIGHT BOX - IP44/IP54





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		530.1610	10/50	530.3210	10/50
	2	300	20-25 40-50		530.16112	10/50	530.32112	10/50
	3	400	20-25 40-50		530.16114	10/50	530.32114	10/50
	4	100-200	20-25 40-50		530.16110	10/50	530.32110	10/50
	10	DC	20-25 40-50		530.1612	10/50	530.3212	10/50
	11	>400-500	20-25 40-50		530.16115	10/50	530.32115	10/50
	12	50 60	40-50		530.1611	10/50	530.3211	10/50
3P		50 60	20-25		530.1614	10/50	530.3214	10/50
	2	300	20-25 40-50		530.16132	10/50	530.32132	10/50
	3	400	20-25 40-50		530.16134	10/50	530.32134	10/50
	4	100-200	20-25 40-50		530.16130	10/50	530.32130	10/50
	11	>400-500	20-25 40-50		530.16135	10/50	530.32135	10/50
	12	50 60	40-50		530.1613	10/50	530.3213	10/50

Blank side with drilling point marks.
Rubber cable sleeve included.

IEC309 SERIES - SURFACE MOUNTING SOCKET OUTLETS >> SURFACE MOUNTING SOCKET OUTLETS - ANGLED BOX - IP44/IP54





IP: IP44/IP54

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		530.01610	10/50	530.03210	10/50
	2	300	20-25 40-50		530.016112	10/50	530.032112	10/50
	3	400	20-25 40-50		530.016114	10/50	530.032114	10/50
	4	100-200	20-25 40-50		530.016110	10/50	530.032110	10/50
	10	DC	20-25 40-50		530.01612	10/50	530.03212	10/50
	11	>400-500	20-25 40-50		530.016115	10/50	530.032115	10/50
	12	50 60	40-50		530.01611	10/50	530.03211	10/50
3P		50 60	20-25		530.01614	10/50	530.03214	10/50
	2	300	20-25 40-50		530.016132	10/50	530.032132	10/50
	3	400	20-25 40-50		530.016134	10/50	530.032134	10/50
	4	100-200	20-25 40-50		530.016130	10/50	530.032130	10/50
	11	>400-500	20-25 40-50		530.016135	10/50	530.032135	10/50
	12	50 60	40-50		530.01613	10/50	530.03213	10/50

Open threaded cable entry.
Threaded cap/cable sleeve included.

IEC309 SERIES - SURFACE MOUNTING SOCKET OUTLETS >> SURFACE MOUNTING SOCKET OUTLETS - STRIGHT BOX - IP66/IP67





IP: IP66/IP67

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		535.1610	10/50	535.3210	10/50
	2	300	20-25 40-50		535.16112	10/50	535.32112	10/50
	3	400	20-25 40-50		535.16114	10/50	535.32114	10/50
	4	100-200	20-25 40-50		535.16110	10/50	535.32110	10/50
	10	DC	20-25 40-50		535.1612	10/50	535.3212	10/50
	11	>400-500	20-25 40-50		535.16115	10/50	535.32115	10/50
	12	50 60	40-50		535.1611	10/50	535.3211	10/50
3P		50 60	20-25		535.1614	10/50	535.3214	10/50
	2	300	20-25 40-50		535.16132	10/50	535.32132	10/50
	3	400	20-25 40-50		535.16134	10/50	535.32134	10/50
	4	100-200	20-25 40-50		535.16130	10/50	535.32130	10/50
	11	>400-500	20-25 40-50		535.16135	10/50	535.32135	10/50
	12	50 60	40-50		535.1613	10/50	535.3213	10/50

Blank side with drilling point marks.
Rubber cable sleeve included.

IEC309 SERIES - SURFACE MOUNTING SOCKET OUTLETS >> SURFACE MOUNTING SOCKET OUTLETS - ANGLED BOX - IP66/IP67





IP: IP66/IP67

Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		535.01610	10/50	535.03210	10/50
	2	300	20-25 40-50		535.016112	10/50	535.032112	10/50
	3	400	20-25 40-50		535.016114	10/50	535.032114	10/50
	4	100-200	20-25 40-50		535.016110	10/50	535.032110	10/50
	10	DC	20-25 40-50		535.01612	10/50	535.03212	10/50
	11	>400-500	20-25 40-50		535.016115	10/50	535.032115	10/50
	12	50 60	40-50		535.01611	10/50	535.03211	10/50
3P		50 60	20-25		535.01614	10/50	535.03214	10/50
	2	300	20-25 40-50		535.016132	10/50	535.032132	10/50
	3	400	20-25 40-50		535.016134	10/50	535.032134	10/50
	4	100-200	20-25 40-50		535.016130	10/50	535.032130	10/50
	11	>400-500	20-25 40-50		535.016135	10/50	535.032135	10/50
	12	50 60	40-50		535.01613	10/50	535.03213	10/50

Open threaded cable entry.
Threaded cap/cable sleeve included.



OPTIMA-MIL Series

OPTIMA-MIL is a complete range of industrial plugs and socket outlets from 16A up to 125A in military green color, with NCAGE registration. Robust and safe thanks to the use of high performance halogen-free technopolymer enclosures and to the external cable gland with cable clamp function in the mobile versions. Functional thanks to the adoption of screw terminals.

The efficiency of the contacts over time is guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging.

Fast to wire thanks to the opening of the body by means of a Snap-on steel spring mechanism.

Technical information

Main characteristics





- 01 Unlosable co-moulded gasket
- 02 Ultra smooth anti-corrosion nickel-plated brass pins
- 03 2 different types of terminals: screw (16A-32A) or mantle (63A-125A)
- 04 Snap-on device with stainless steel spring to speed up cabling operations
- 05 Military green body with Nato Ncage registration
- 06 Body in halogen-free materials, with high mechanical and UV ray resistance
- 07 Tulip external cable clamp with cable gland function

OPTIMA-MIL SERIES - IP66/IP67/IP69 >> PLUGS





IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	6	50 60	200-250		218.1633.MIL	40	218.3233.MIL	40
3P+E	6	50 60	380-415		218.1636.MIL	40	218.3236.MIL	40
3P+N+E	6	50 60	346-415		218.1637.MIL	40	218.3237.MIL	40

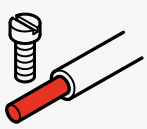




IP: IP66/IP67/IP69

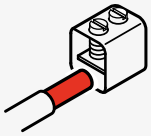
Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	6	50 60	200-250		218.6333.MIL	24	218.12533.MIL	8
3P+E	6	50 60	380-415		218.6336.MIL	24	218.12536.MIL	8
3P+N+E	6	50 60	346-415		218.6337.MIL	24	218.12537.MIL	8

Terminals



screw terminals





mantle terminals



Optimal connections for high currents

OPTIMA-MIL SERIES - IP66/IP67/IP69 >> APPLIANCE INLETS - STRAIGHT OUTLET



IP: IP66/IP67/IP69
Flange: 75x75MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	6	50 60	200-250		248.1693.MIL	50	248.3293.MIL	50
3P+E	6	50 60	380-415		248.1696.MIL	50	248.3296.MIL	50
3P+N+E	6	50 60	346-415		248.1697.MIL	50	248.3297.MIL	40





IP: IP66/IP67/IP69
Flange: 63A 100x110MM
125A 114x114MM

Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	6	50 60	200-250		248.6393.MIL	10	248.12593.MIL	10
3P+E	6	50 60	380-415		248.6396.MIL	10	248.12596.MIL	10
3P+N+E	6	50 60	346-415		248.6397.MIL	10	248.12597.MIL	10

OPTIMA-MIL SERIES - IP66/IP67/IP69 >> STRAIGHT CONNECTORS



IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	6	50 60	200-250		318.1643.MIL	40	318.3243.MIL	40
3P+E	6	50 60	380-415		318.1646.MIL	40	318.3246.MIL	40
3P+N+E	6	50 60	346-415		318.1647.MIL	40	318.3247.MIL	40



IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	6	50 60	200-250		318.6343.MIL	24	318.12543.MIL	8
3P+E	6	50 60	380-415		318.6346.MIL	24	318.12546.MIL	8
3P+N+E	6	50 60	346-415		318.6347.MIL	24	318.12547.MIL	8

OPTIMA-MIL SERIES - IP66/IP67/IP69 >> PANEL MOUNTING SOCKETS OUTLETS - STRAIGHT OUTLET





IP: IP66/IP67/IP69
Flange: 75x75MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	6	50 60	200-250		**428.1663.MIL**	100	**428.3263.MIL**	50
3P+E	6	50 60	380-415		**428.1666.MIL**	100	**428.3266.MIL**	50
3P+N+E	6	50 60	346-415		**428.1667.MIL**	100	**428.3267.MIL**	50





IP: IP66/IP67/IP69
Flange: 63A 100x110MM
125A 114x114MM

Poles	h	Hz	Volt	Colour	63A		125A	
2P+E	6	50 60	200-250		**428.6363.MIL**	6/30	**428.12563.MIL**	10
3P+E	6	50 60	380-415		**428.6366.MIL**	6/30	**428.12566.MIL**	10
3P+N+E	6	50 60	346-415		**428.6367.MIL**	6/30	**428.12567.MIL**	10



EUREKA-HD[UL] Series

EUREKA-HD[UL] is a complete range, from 20A to 100A, of UL/CSA listed industrial plugs (pin) and socket outlets (sleeve) for the North American market and countries where the UL standard is recognized. Sturdy and safe industrial plugs and sockets thanks to the use of thermoplastic bodies with outstanding resistance to impacts, chemicals and atmospheric agents. Quick to wire thanks to the opening of the body by means of a Snap-on steel spring mechanism and to the locking of the cable through an external cable clamp. Practical thanks to the use of screw terminals.

technical sheet **p. 732**

Technical information

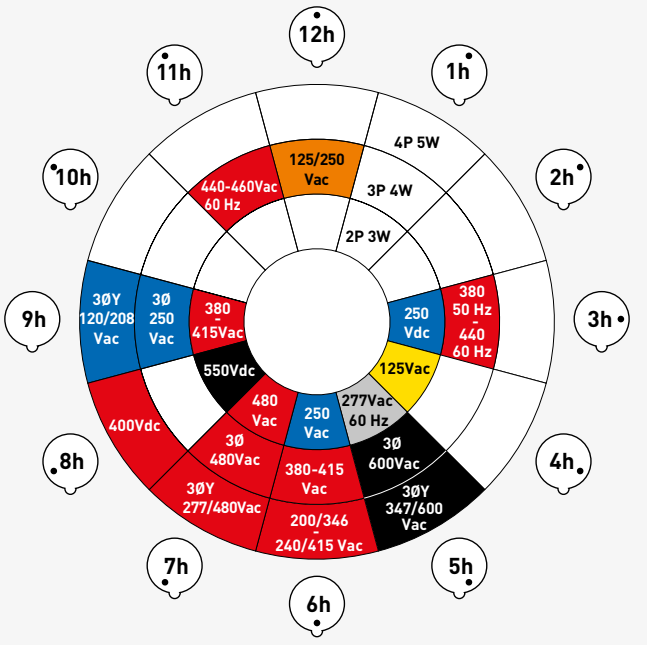
Industrial plugs and sockets for the north american market

COLOUR CODE

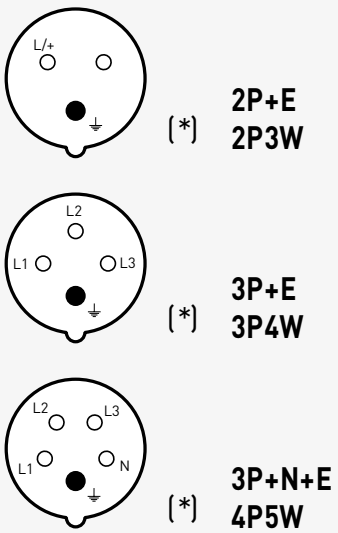
The operating voltages are identified by conventional colours as shown in the table:

Rated operating voltage	Colour
110/130V	
208/250V	
380/480V	
500/690V	
277V	
125/250V	

CLOCK FACE POSITION - UL RATINGS



SOCKET AND RECEPTACLE (FRONT VIEW)



Clock diagram

Viewing a UL Standard connector and receptacle from the front, clock our position (h) is established by the position of the earth contact restect the major keyway which is always situated at 6h clock position.

(*) Major keyway.

Synoptic table of standard industrial plugs and sockets to UL 1682/1686 e C22.2 n. 182.1

RATED OPERATING VOLTAGE > 50 V (LV)

Number of contact	Poles	Frequency Hz	Rated operating voltage V	Clock face pos. (h) Earth contact[1]		Colour code
				20A - 30A	60A - 100A	
3 2P3W	1P+N+E	50 and 60	100÷130	4	4	
		60	277	5	5	
	2P+E	50 and 60	100÷130	4	4	
		50 and 60	200÷250	6	6	
		50 and 60	380÷415	9	9	
		50 and 60	480÷500	7	7	
		50 and 60	suppl. by isol. transf.	12	12	- [5]
		100÷300	> 50	10	10	[4]
		>300÷500	> 50	2	2	[4]
		d.c.	>50÷250	3	3	- [5]
		d.c.	> 250	8	8	- [5]
4 3P4W	2P+N+E	50 and 60	125/250	12	12	
	3P+E	50 and 60	100÷130	4	4	
		50 and 60	200÷250	9	9	
		50 and 60	380÷415	6	6	
		60	440÷460[3]	11	11	
		50 and 60	480÷500	7	7	
		50 and 60	600÷690	5	5	
		50 60	380 440[2]	3	3	
		50 and 60	1000	8	8	
		100÷300	> 50	10	-	[4]
		>300÷500	> 50	2	-	[4]
5 4P5W	3P+N+E	50 and 60	57/100÷75/130	4	4	
		50 and 60	120/208÷144/250	9	9	
		50 and 60	200/346÷240/415	6	6	
		50 and 60	277/480÷288/500	7	7	
		50 and 60	347/600÷400/690	5	5	
		60	250/440÷265/460[3]	11	11	
		50 60	220/380 250/440[3]	3	3	
		50 and 60	1000	8	8	
		50 and 60	suppl. by isol. transf.	12	12	
		100÷300	> 50	10	10	[4]
		>300÷500	> 50	2	2	[4]
All types		All types of voltage and/or frequency not within these standardised configurations		1	1	-

[1] *The positions shown by a dash (-) are not standardised.*
[2] *For ISO standard refrigerated containers.*
[3] *Mainly for shipboard installations.*
[4] *Combinations of green with the colour of the rated operating voltage can be used to identify frequencies >60÷500Hz.*
[5] *Plugs and sockets for which the IEC 60309-2 standard sets only the clock face position (h) of the earth contact and not the colour, are supplied by SCAME in RAL 7035 grey".*

CATALOGUE NUMBERING SYSTEM

SCM	4	30	P	9	W
MANUFACTURER	WIRES 2P3W 3P4W 4P5W	AMPERAGE 20A-30A-60A-100A	TYPE Plug Inlet Connector Receptacle	CLOCK POSITION/ VOLTAGE 9 = Clock position	PROTECTION DEGREE IP67 Watertight = W IP44 Splashproof = S

Main characteristics watertight versions - IP67

PLUG



01 **Safe connections**
- The earth contact is the first to connect when the plug is inserted into the socket and it is the last to disconnect during extraction, for maximum safety of use even under load

02 **Bayonet ring nut**
- Ergonomic ring nut for greater ease of use

03 **"Snap-on"**
- Snap-on device on all sockets and plugs 20A-30A

04 **75% faster wiring**
- Locking system with anti-loosening nylon screw
- Tulip cable gland
- External cable clamp without screw





c UL us LISTED 922D

CONNECTOR



01 **Cover**
- Neoprene gasket with bayonet lock for IP66/67 versions
- With spring closure for IP44

02 **Safe connections**
- The earth contact is the first to connect when the plug is inserted into the socket and it is the last to disconnect during extraction, for maximum safety of use even under load

03 **Quick and easy wiring**
- Unidirectional access to terminals
- Clearly marked terminals

Double safety wiring
- Double screw terminals for versions from 30A upwards guarantee excellent contact and ensure against possible tightening errors

04 **Sturdy neoprene gasket in the handle**

05 **Handle**
- Universal capacity

06 **Neoprene gasket**
- With multi-diameter onion rings

07 **Strain relief cable clamp**
- Guarantees greater cable retention

Application examples


Wineries


Wind turbines


Datacenter


Shipyard - Container terminal

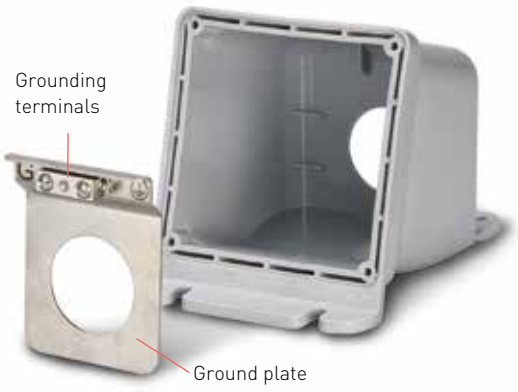

Food industry


Agriculture

Liquid tight adaptor



Back box



INDUSTRIAL PLUGS AND SOCKETS

Plugs and sockets for specific applications

SERIES II - NORTH AMERICA - IP44 SPLASHPROOF - 20A-30A >> STRAIGHT PLUGS IP44





IP: IP44

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320P4S[1]	1/5	SCM330P4S[1]	1/5
	5	277		SCM320P5S	1/5	SCM330P5S	1/5
	6	250		SCM320P6S[1] [2]	1/5	SCM330P6S[1] [2]	1/5
	7	480		SCM320P7S	1/5	SCM330P7S	1/5
	8	550DC				SCM330P8S	1/5
3P 4W	5	3Ø600		SCM420P5S	1/5	SCM430P5S	1/5
	6	3Ø380-415		SCM420P6S[1] [2]	1/5	SCM430P6S[1] [2]	1/5
	7	3Ø480		SCM420P7S	1/5	SCM430P7S	1/5
	9	3Ø250		SCM420P9S[1]	1/5	SCM430P9S[1]	1/5
	12	125/250		SCM420P12S	1/5	SCM430P12S	1/5
4P 5W	5	3ØY347/600		SCM520P5S	1/5	SCM530P5S	1/5
	6	200/346 240/415		SCM520P6S[1] [2]	1/5	SCM530P6S[1] [2]	1/5
	7	3ØY277/480		SCM520P7S	1/5	SCM530P7S	1/5
	9	3ØY120/208		SCM520P9S[1]	1/5	SCM530P9S[1]	1/5

UL listed.

[1] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*
[2] *Products with dual certifications: UL listed (North America) and ENEC (International).*

SERIES II - NORTH AMERICA - IP44 SPLASHPROOF - 20A-30A >> APPLIANCE INLETS IP44 - STRAIGHT OUTLET





IP: IP44
Flange: 120x120MM

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320B4S[1]	1/5	SCM330B4S[1]	1/5
	5	277		SCM320B5S	1/5	SCM330B5S	1/5
	6	250		SCM320B6S[1]	1/5	SCM330B6S[1]	1/5
	7	480		SCM320B7S	1/5	SCM330B7S	1/5
	8	550DC				SCM330B8S	1/5
3P 4W	5	3Ø600		SCM420B5S	1/5	SCM430B5S	1/5
	6	3Ø380-415		SCM420B6S[1]	1/5	SCM430B6S[1]	1/5
	7	3Ø480		SCM420B7S	1/5	SCM430B7S	1/5
	9	3Ø250		SCM420B9S[1]	1/5	SCM430B9S[1]	1/5
	12	125/250		SCM420B12S	1/5	SCM430B12S	1/5
4P 5W	5	3ØY347/600		SCM520B5S	1/5	SCM530B5S	1/5
	6	200/346 240/415		SCM520B6S[1]	1/5	SCM530B6S[1]	1/5
	7	3ØY277/480		SCM520B7S	1/5	SCM530B7S	1/5
	9	3ØY120/208		SCM520B9S[1]	1/5	SCM530B9S[1]	1/5

UL listed.

[1] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*

SERIES II - NORTH AMERICA - IP44 SPLASHPROOF - 20A-30A >> STRAIGHT CONNECTORS IP44





IP: IP44

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320C4S[1]	1/5	SCM330C4S[1]	1
	5	277		SCM320C5S	1/5	SCM330C5S	1
	6	250		SCM320C6S[1] [2]	1/5	SCM330C6S[1] [2]	1
	7	480		SCM320C7S	1/5	SCM330C7S	1
	8	550DC				SCM330C8S	1
3P 4W	5	3Ø600		SCM420C5S	1/5	SCM430C5S	1
	6	3Ø380-415		SCM420C6S[1] [2]	1/5	SCM430C6S[1] [2]	1
	7	3Ø480		SCM420C7S	1/5	SCM430C7S	1
	9	3Ø250		SCM420C9S[1]	1/5	SCM430C9S[1]	1
	12	125/250		SCM420C12S	1/5	SCM430C12S	1
4P 5W	5	3ØY347/600		SCM520C5S	1/5	SCM530C5S	1/5
	6	200/346 240/415		SCM520C6S[1] [2]	1/5	SCM530C6S[1] [2]	1
	7	3ØY277/480		SCM520C7S	1/5	SCM530C7S	1
	9	3ØY120/208		SCM520C9S[1]	1/5	SCM530C9S[1]	1

UL listed.

[1] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*
[2] *Products with dual certifications: UL listed (North America) and ENEC (International).*

SERIES II - NORTH AMERICA - IP44 SPLASHPROOF - 20A-30A >> PANEL MOUNTING SOCKETS OUTLETS IP44 - STRAIGHT OUTLET





IP: IP44
Flange: 75x75MM

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320R4S[1]	1/5	SCM330R4S[1]	1/5
	5	277		SCM320R5S	1/5		
	6	250		SCM320R6S[1]	1/5	SCM330R6S[1]	1/5
	7	480		SCM320R7S	1/5	SCM330R7S	1/5
	8	550DC				SCM330R8S	1/5
3P 4W	5	3Ø600		SCM420R5S	1/5	SCM430R5S	1/5
	6	3Ø380-415		SCM420R6S[1]	1/5	SCM430R6S[1]	1/5
	7	3Ø480		SCM420R7S	1/5	SCM430R7S	1/5
	9	3Ø250		SCM420R9S[1]	1/5	SCM430R9S[1]	1/5
	12	125/250		SCM420R12S	1/5	SCM430R12S	1/5
4P 5W	5	3ØY347/600		SCM520R5S	1/5	SCM530R5S	1/5
	6	200/346 240/415		SCM520R6S[1]	1/5	SCM530R6S[1]	1/5
	7	3ØY277/480		SCM520R7S	1/5	SCM530R7S	1/5
	9	3ØY120/208		SCM520R9S[1]	1/5	SCM530R9S[1]	1/5

UL listed.

[1] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*

SERIES II - NORTH AMERICA - IP67 WATERTIGHT - 20A-30A >> STRAIGHT PLUGS IP67





IP: IP67

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320P4W[1]	1/5	SCM330P4W[1]	1/5
	5	277		SCM320P5W	1/5	SCM330P5W	1/5
	6	250		SCM320P6W[1] [2]	1/5	SCM330P6W[1] [2]	1/5
	7	480		SCM320P7W	1/5	SCM330P7W	1/5
	8	550DC				SCM330P8W	1/5
3P 4W	5	3Ø600		SCM420P5W	1/5	SCM430P5W	1/5
	6	3Ø380-415		SCM420P6W[1] [2]	1/5	SCM430P6W[1] [2]	1/5
	7	3Ø480		SCM420P7W	1/5	SCM430P7W	1/5
	9	3Ø250		SCM420P9W[1]	1/5	SCM430P9W[1]	1/5
	12	125/250		SCM420P12W	1/5	SCM430P12W	1/5
4P 5W	5	3ØY347/600		SCM520P5W	1/5	SCM530P5W	1
	6	200/346 240/415		SCM520P6W[1] [2]	1/5	SCM530P6W[1] [2]	1
	7	3ØY277/480		SCM520P7W	1/5	SCM530P7W	1
	9	3ØY120/208		SCM520P9W[1]	1/5	SCM530P9W[1]	1

UL listed.

[1] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*
[2] *Products with dual certifications: UL listed (North America) and ENEC (International).*

SERIES II - NORTH AMERICA - IP67 WATERTIGHT - 20A-30A >> APPLIANCE INLETS IP67 - STRAIGHT OUTLET





IP: IP67
Flange: 120x120MM

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320B4W[1]	1/5	SCM330B4W[1]	1/5
	5	277		SCM320B5W	1/5	SCM330B5W	1/5
	6	250		SCM320B6W[1]	1/5	SCM330B6W[1]	1/5
	7	480		SCM320B7W	1/5	SCM330B7W	1/5
	8	550DC				SCM330B8W	1/5
3P 4W	5	3Ø600		SCM420B5W	1/5	SCM430B5W	1/5
	6	3Ø380-415		SCM420B6W[1]	1/5	SCM430B6W[1]	1/5
	7	3Ø480		SCM420B7W	1/5	SCM430B7W	1/5
	9	3Ø250		SCM420B9W[1]	1/5	SCM430B9W[1]	1/5
	12	125/250		SCM420B12W	1/5	SCM430B12W	1/5
4P 5W	5	3ØY347/600		SCM520B5W	1/5	SCM530B5W	1/5
	6	200/346 240/415		SCM520B6W[1]	1/5	SCM530B6W[1]	1/5
	7	3ØY277/480		SCM520B7W	1/5	SCM530B7W	1/5
	9	3ØY120/208		SCM520B9W[1]	1/5	SCM530B9W[1]	1/5

UL listed.

[1] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*

SERIES II - NORTH AMERICA - IP67 WATERTIGHT - 20A-30A >> STRAIGHT CONNECTORS IP67





IP: IP67

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320C4W[1]	1/5	SCM330C4W[1]	1
	5	277		SCM320C5W	1/5	SCM330C5W	1
	6	250		SCM320C6W[1] [2]	1/5	SCM330C6W[1] [2]	1
	7	480		SCM320C7W	1/5	SCM330C7W	1
	8	550DC				SCM330C8W	1
3P 4W	5	3Ø600		SCM420C5W	1/5	SCM430C5W	1
	6	3Ø380-415		SCM420C6W[1] [2]	1/5	SCM430C6W[1] [2]	1
	7	3Ø480		SCM420C7W	1/5	SCM430C7W	1
	9	3Ø250		SCM420C9W[1]	1/5	SCM430C9W[1]	1
	12	125/250		SCM420C12W	1/5	SCM430C12W	1
4P 5W	5	3ØY347/600		SCM520C5W	1/5	SCM530C5W	1
	6	200/346 240/415		SCM520C6W[1] [2]	1/5	SCM530C6W[1] [2]	1
	7	3ØY277/480		SCM520C7W	1/5	SCM530C7W	1
	9	3ØY120/208		SCM520C9W[1]	1/5	SCM530C9W[1]	1

UL listed.

[1] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*
[2] *Products with dual certifications: UL listed (North America) and ENEC (International).*

SERIES II - NORTH AMERICA - IP67 WATERTIGHT - 20A-30A >> PANEL MOUNTING SOCKETS OUTLETS IP67 - STRAIGHT OUTLET





IP: IP67
Flange: 75x75MM

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320R4W[1]	1/5	SCM330R4W[1]	1/5
	5	277				SCM330R5W	1/5
	5	277		SCM320R5W	1/5		
	6	250		SCM320R6W[1]	1/5	SCM330R6W[1]	1/5
	7	480		SCM320R7W	1/5	SCM330R7W	1/5
	8	550DC				SCM330R8W	1/5
3P 4W	5	3Ø600		SCM420R5W	1/5	SCM430R5W	1/5
	6	3Ø380-415		SCM420R6W[1]	1/5	SCM430R6W[1]	1/5
	7	3Ø480		SCM420R7W	1/5	SCM430R7W	1/5
	9	3Ø250		SCM420R9W[1]	1/5	SCM430R9W[1]	1/5
	12	125/250		SCM420R12W	1/5	SCM430R12W	1/5
4P 5W	5	3ØY347/600		SCM520R5W	1/5	SCM530R5W	1/5
	6	200/346 240/415		SCM520R6W[1]	1/5	SCM530R6W[1]	1/5
	7	3ØY277/480		SCM520R7W	1/5	SCM530R7W	1/5
	9	3ØY120/208		SCM520R9W[1]	1/5	SCM530R9W[1]	1/5

UL listed.

[1] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*

SERIES II - NORTH AMERICA - IP67 WATERTIGHT - 60A-100A >> STRAIGHT PLUGS IP67





IP: IP67

Poles	h	Volt	Colour	60A		100A	
2P 3W	3	250DC		SCM360P3W	1		
	4	125		SCM360P4W	1	SCM3100P4W	1
	5	277		SCM360P5W	1	SCM3100P5W	1
	6	250		SCM360P6W[1) 2)]	1	SCM3100P6W[1)]	1
	7	480		SCM360P7W	1	SCM3100P7W	1
	8	550DC		SCM360P8W	1	SCM3100P8W	1
3P 4W	5	3Ø600		SCM460P5W	1	SCM4100P5W	1
	6	3Ø380-415		SCM460P6W[1) 2)]	1	SCM4100P6W[1)]	1
	7	3Ø480		SCM460P7W	1	SCM4100P7W	1
	9	3Ø250		SCM460P9W[1)]	1	SCM4100P9W[1)]	1
	12	125/250		SCM460P12W	1	SCM4100P12W	1
4P 5W	5	3ØY347/600		SCM560P5W	1	SCM5100P5W	1
	6	200/346 240/415		SCM560P6W[1) 2)]	1	SCM5100P6W[1)]	1
	7	3ØY277/480		SCM560P7W	1	SCM5100P7W	1
	8	400DC				SCM5100P8W	1
	9	3ØY120/208		SCM560P9W[1)]	1	SCM5100P9W[1)]	1

UL listed.

[1)] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*
[2)] *Products with dual certifications: UL listed (North America) and ENEC (International).*

SERIES II - NORTH AMERICA - IP67 WATERTIGHT - 60A-100A >> APPLIANCE INLETS IP67 - STRAIGHT OUTLET





IP: IP67
Flange:
60A 120x120MM
100A 145x145MM

Poles	h	Volt	Colour	60A		100A	
2P 3W	3	250DC		SCM360B3W	1		
	4	125		SCM360B4W	1	SCM3100B4W	1
	5	277		SCM360B5W	1	SCM3100B5W	1
	6	250		SCM360B6W[1)]	1	SCM3100B6W[1)]	1
	7	480		SCM360B7W	1	SCM3100B7W	1
	8	550DC		SCM360B8W	1	SCM3100B8W	1
3P 4W	5	3Ø600		SCM460B5W	1	SCM4100B5W	1
	6	3Ø380-415		SCM460B6W[1)]	1	SCM4100B6W[1)]	1
	7	3Ø480		SCM460B7W	1	SCM4100B7W	1
	9	3Ø250		SCM460B9W	1	SCM4100B9W	1
	12	125/250		SCM460B12W	1	SCM4100B12W	1
4P 5W	5	3ØY347/600		SCM560B5W	1	SCM5100B5W	1
	6	200/346 240/415		SCM560B6W[1)]	1	SCM5100B6W[1)]	1
	7	3ØY277/480		SCM560B7W	1	SCM5100B7W	1
	8	400DC				SCM5100B8W	1
	9	3ØY120/208		SCM560B9W	1	SCM5100B9W	1

UL listed.

[1)] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*

SERIES II - NORTH AMERICA - IP67 WATERTIGHT - 60A-100A >> STRAIGHT CONNECTORS IP67





IP: IP67

Poles	h	Volt	Colour	60A		100A	
2P 3W	3	250DC		SCM360C3W	1		
	4	125		SCM360C4W	1	SCM3100C4W	1
	5	277		SCM360C5W	1	SCM3100C5W	1
	6	250		SCM360C6W[1) 2)]	1	SCM3100C6W[1)]	1
	7	480		SCM360C7W	1	SCM3100C7W	1
	8	550DC		SCM360C8W	1	SCM3100C8W	1
3P 4W	5	3Ø600		SCM460C5W	1	SCM4100C5W	1
	6	3Ø380-415		SCM460C6W[1) 2)]	1	SCM4100C6W[1)]	1
	7	3Ø480		SCM460C7W	1	SCM4100C7W	1
	9	3Ø250		SCM460C9W[1)]	1	SCM4100C9W[1)]	1
	12	125/250		SCM460C12W	1	SCM4100C12W	1
4P 5W	5	3ØY347/600		SCM560C5W	1	SCM5100C5W	1
	6	200/346 240/415		SCM560C6W[1) 2)]	1	SCM5100C6W[1)]	1
	7	3ØY277/480		SCM560C7W	1	SCM5100C7W	1
	8	400DC				SCM5100C8W	1
	9	3ØY120/208		SCM560C9W[1)]	1	SCM5100C9W[1)]	1

UL listed.

[1)] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*
[2)] *Products with dual certifications: UL listed (North America) and ENEC (International).*

SERIES II - NORTH AMERICA - IP67 WATERTIGHT - 60A-100A >> PANEL MOUNTING SOCKETS OUTLETS IP67 - STRAIGHT OUTLET





IP: IP67
Flange:
60A 120x120MM
100A 145x145MM

Poles	h	Volt	Colour	60A		100A	
2P 3W	3	250DC		SCM360R3W	1		
	4	125		SCM360R4W	1	SCM3100R4W	1
	5	277		SCM360R5W	1	SCM3100R5W	1
	6	250		SCM360R6W[1)]	1	SCM3100R6W[1)]	1
	7	480		SCM360R7W	1	SCM3100R7W	1
	8	550DC		SCM360R8W	1	SCM3100R8W	1
3P 4W	5	3Ø600		SCM460R5W	1	SCM4100R5W	1
	6	3Ø380-415		SCM460R6W[1)]	1	SCM4100R6W[1)]	1
	7	3Ø480		SCM460R7W	1	SCM4100R7W	1
	9	3Ø250		SCM460R9W[1)]	1	SCM4100R9W[1)]	1
	12	125/250		SCM460R12W	1	SCM4100R12W	1
4P 5W	5	3ØY347/600		SCM560R5W	1	SCM5100R5W	1
	6	200/346 240/415		SCM560R6W[1)]	1	SCM5100R6W[1)]	1
	7	3ØY277/480		SCM560R7W	1	SCM5100R7W	1
	8	400DC				SCM5100R8W	1
	9	3ØY120/208		SCM560R9W[1)]	1	SCM5100R9W[1)]	1

[1)] *Dual ratings - Products with dual classification: Series I (International 16/32/63/125A) and Series II (North America 20/30/60/100A).*

ACCESSORIES >> LIQUID TIGHT ADAPTERS



Description	IP	Type	Code	
LIQUID TIGHT ADAPTER	IP67	20A 3-4 WIRE 1/2″ NPT	**SCMSAA12**	1/5
	IP67	20A 5 WIRE 1/2″ NPT	**SCMSAB12**	1/5
	IP67	30A 3-4 WIRE 3/4″ NPT	**SCMSAB34**	1/5
	IP67	30A 5 WIRE 1″ NPT	**SCMSAC100**	1/5
	IP67	60A 3-4-5 WIRE 1¼″ NPT	**SCMSAC125**	1/5
	IP67	30A 5 WIRE 3/4″ NPT	**SCMSAC34**	1/5
	IP67	100A 3-4-5 WIRE 1¼″ NPT	**SCMSAD125**	1/5

For attaching flexible liquidtight metal conduit to Scame EUREKA-HD[UL] Series plugs and connectors.

ACCESSORIES >> NON-METALLIC BACK-BOXES



Description	IP	Type	Code	
BACK BOX	IP67	75x75mm - SMALL	**SCMBB01**	1/12
	IP67	120x120mm - MEDIUM	**SCMBB02**	1/12
	IP67	145x145mm - LARGE	**SCMBB03**	1/6

UL listed.
For fixed plugs and sockets EUREKA-HD[UL] Series.

ACCESSORIES >> GROUND PLATE



Description	Notes1	Code	
EARTH CONTINUITY PLATE	ADV-GRP 20/30A /BACK BOX SMALL	**SCMGP01AB**	10
	ADVANCE-GRP 60A	**SCMGP02A**	10
	BACK BOX LARGE	**SCMGP03B**	10
	BACK BOX MEDIUM	**SCMGP02B**	10

ACCESSORIES >> COVER FOR IP66/IP67/IP69 PLUGS



Description	IP	Current	Poles	Code	
PLUG CAP	IP66/IP67/IP69	16A 20A	2P+E	**570.90163**	10/100
	IP66/IP67/IP69	16A 20A	3P+E	**570.90164**	10/100
	IP66/IP67/IP69	16A 20A	3P+N+E	**570.90165**	10/100
	IP66/IP67/IP69	30A 32A	3P+N+E	**570.90325**	10/100
	IP66/IP67/IP69	30A 32A	2/3P+E	**570.90324**	10/100
	IP66/IP67/IP69	60A 63A	ALL	**570.9063**	10
	IP66/IP67/IP69	100A 125A	ALL	**570.9125**	10



OPTIMA-SEVEN Series

OPTIMA-SEVEN is a range of industrial 7 poles plugs and socket outlets rated 16A and 32A.

Robust and safe industrial electrical plugs and sockets thanks to the use of high performance technopolymer enclosures and to the external cable gland with cable clamp function in the mobile versions.

Quick to wire thanks to the opening of the body by means of a Snap-on steel spring mechanism in the mobile versions.

The efficiency of the contacts over time is guaranteed by the use of nickel-plated brass pins, resistant to oxidation and aging.

OPTIMA-SEVEN connectors are ideal for starting star-delta motors, for connecting transformers with multiple outputs and for monitoring, control and actuation.

technical sheet **p. 746**

Applications examples



Industry



Building construction site

INDUSTRIAL PLUGS AND SOCKETS

Plugs and sockets for specific applications

OPTIMA-SEVEN SERIES - IP44 >> PLUGS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		213.1637-7	10	213.3237-7	10
	9	50 60	200-250		213.1635-7	10	213.3235-7	10



IP: IP44

OPTIMA-SEVEN SERIES - IP44 >> FLUSH MOUNTING APPLIANCE INLETS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		243.1697-7	10	243.3297-7	10
	9	50 60	200-250		243.1695-7	10	243.3295-7	10



IP: IP44
Flange: 75x75MM

OPTIMA-SEVEN SERIES - IP44 >> SURFACE MOUNTING APPLIANCE INLETS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		240.1697-7	10	240.3297-7	10
	9	50 60	200-250		240.1695-7	10	240.3295-7	5

Open threaded cable entry.
Threaded cap/cable sleeve included.



IP: IP44

OPTIMA-SEVEN SERIES - IP44 >> CONNECTORS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		313.1647-7	10	313.3247-7	10
	9	50 60	200-250		313.1645-7	10	313.3245-7	10



IP: IP44

OPTIMA-SEVEN SERIES - IP44 >> FLUSH MOUNTING SOCKET OUTLETS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		413.1667-7	10	413.3267-7	10
	9	50 60	200-250		413.1665-7	10	413.3265-7	10



IP: IP44
Flange: 75x75MM

OPTIMA-SEVEN SERIES - IP44 >> SURFACE MOUNTING SOCKET OUTLETS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		512.1657-7	10	512.3257-7	10
	9	50 60	200-250		512.1655-7	10	512.3255-7	

Open threaded cable entry.
Threaded cap/cable sleeve included.



IP: IP44

INDUSTRIAL PLUGS AND SOCKETS

Plugs and sockets for specific applications

OPTIMA-SEVEN SERIES - IP66/IP67 >> PLUGS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		**218.1637-7**	10	**218.3237-7**	10
	9	50 60	200-250		**218.1635-7**	10	**218.3235-7**	10



IP: IP66/IP67

OPTIMA-SEVEN SERIES - IP66/IP67 >> FLUSH MOUNTING APPLIANCE INLETS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		**248.1697-7**	10	**248.3297-7**	10
	9	50 60	200-250		**248.1695-7**	10	**248.3295-7**	10



IP: IP66/IP67
Flange: 75x75MM

OPTIMA-SEVEN SERIES - IP66/IP67 >> SURFACE MOUNTING APPLIANCE INLETS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		**245.1697-7**	5	**245.3297-7**	5
	9	50 60	200-250		**245.1695-7**	5	**245.3295-7**	5

Open threaded cable entry.
Threaded cap/cable sleeve included.



IP: IP66/IP67

OPTIMA-SEVEN SERIES - IP66/IP67 >> CONNECTORS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		**318.1647-7**	10	**318.3247-7**	10
	9	50 60	200-250		**318.1645-7**	10	**318.3245-7**	10



IP: IP66/IP67

OPTIMA-SEVEN SERIES - IP66/IP67 >> FLUSH MOUNTING SOCKET OUTLETS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		**418.1667-7**	10	**418.3267-7**	10
	9	50 60	200-250		**418.1665-7**	10	**418.3265-7**	10



IP: IP66/IP67
Flange: 75x75MM

OPTIMA-SEVEN SERIES - IP66/IP67 >> SURFACE MOUNTING SOCKET OUTLETS



Poles	h	Hz	Volt	Colour	16A		32A	
6P+E	6	50 60	380-415		**517.1657-7**	5	**517.3257-7**	5
	9	50 60	200-250		**517.1655-7**		**517.3255-7**	5

Open threaded cable entry.
Threaded cap/cable sleeve included.

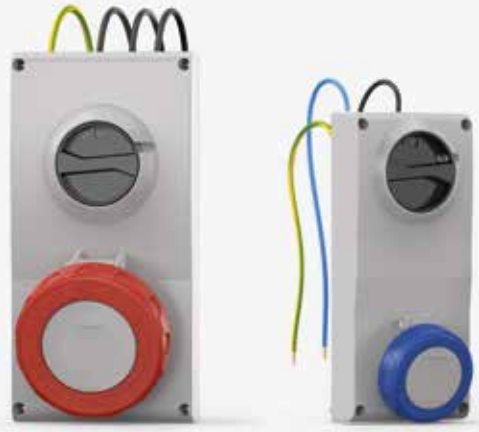


IP: IP66/IP67









SWITCHED INTERLOCKED SOCKET OUTLETS



Industrial plugs and sockets to IEC 60309 rated operating voltage >50V

CLOCK FACE POSITION

Viewing the socket from the front, the clock face position (h) is established by observing the position of the earth contact with respect to the major keyway, which is always situated at 6 o'clock. The different voltages are identified by conventional colour codes.

EXAMPLES:

- standard use ..... **h 6**
- refrigerated container ..... **h 3**
- marine, port or ship installation ..... **h 11**
- direct current (2P + E) ..... **h 3 and 8**
- supply by isolation transformer (TST) ..... **h 12**
- high frequency, from 100 to 300 Hz ..... **h 10**
- high frequency, from 300 to 500 Hz ..... **h 2**
- specific voltages 100 - 130V ..... **h 4**
  480 - 500V ..... **h 7**
  600 - 690V ..... **h 5**

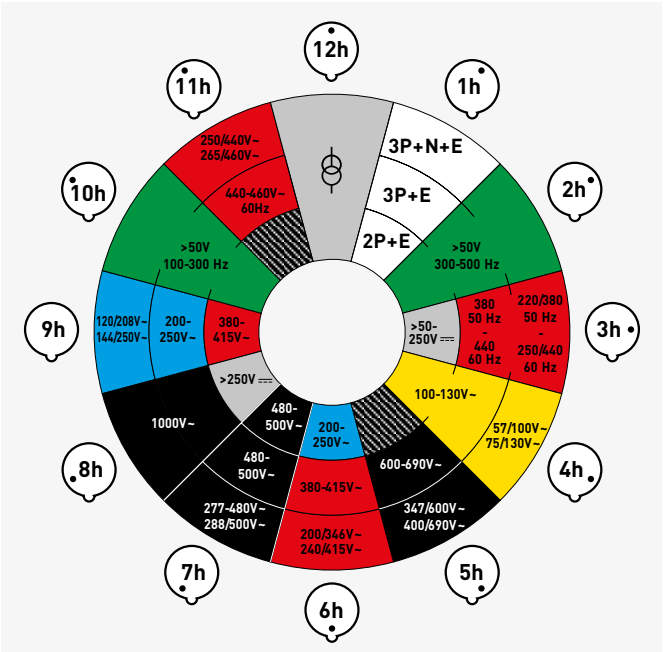
COLOUR CODE

The operating voltages are identified by conventional colours as shown in the table:

Rated operating voltage V	Colour [1]
from 20 to 25	Violet
from 40 to 50	White
from 100 to 130	Yellow
from 200 to 250	Blue
from 380 to 480	Red
from 500 to 1000	Black

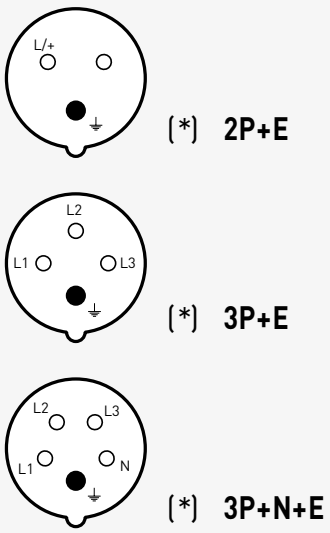
[1] *Combinations of green with the colour of the rated operating voltage can be used to identify frequencies between 60 Hz and 500 Hz inclusive.*

CLOCK POSITION - IEC RATINGS



Clock diagram
Clock face position (h) of the earth pole of low voltage (>50 V) industrial plugs and sockets to IEC 60309-2 for different applications. (polarity, voltage, frequency, current).
⏚ = Supply from isolation transformer.

SOCKET (FRONT VIEW)



(*) Major keyway.

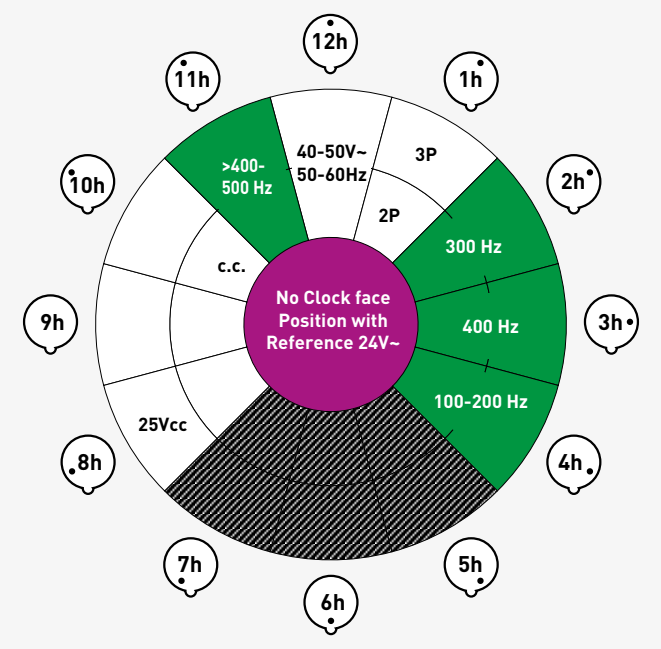
Synoptic table of standard industrial plugs and sockets to IEC 60309-2

RATED OPERATING VOLTAGE > 50 V (LV)

Number of contact	Poles	Frequency Hz	Rated operating voltage V	Clock face pos. (h) Earth contact[1]		Colour code
				16A - 32A	63A - 125A	
3	2P+E	50 and 60	100÷130	4	4	
		50 and 60	200÷250	6	6	
		50 and 60	380÷415	9	9	
		50 and 60	480÷500	7	7	
		50 and 60	suppl. by isol. transf.	12	12	- [5]
		100÷300	> 50	10	10	[4]
		>300÷500	> 50	2	2	[4]
		d.c.	>50÷250	3	3	- [5]
		d.c.	> 250	8	8	- [5]
4	3P+E	50 and 60	100÷130	4	4	
		50 and 60	200÷250	9	9	
		50 and 60	380÷415	6	6	
		60	440÷460[3]	11	11	
		50 and 60	480÷500	7	7	
		50 and 60	600÷690	5	5	
		50 60	380 440[2]	3	3	
		50 and 60	1000	8	8	
		100÷300	> 50	10	-	[4]
		>300÷500	> 50	2	-	[4]
5	3P+N+E	50 and 60	57/100÷75/130	4	4	
		50 and 60	120/208÷144/250	9	9	
		50 and 60	200/346÷240/415	6	6	
		50 and 60	277/480÷288/500	7	7	
		50 and 60	347/600÷400/690	5	5	
		60	250/440÷265/460[3]	11	11	
		50 60	220/380 250/440[3]	3	3	
		50 and 60	1000	8	8	
		50 and 60	suppl. by isol. transf.	12	12	
		100÷300	> 50	10	10	[4]
		>300÷500	> 50	2	2	[4]
All types		All types of voltage and/or frequency not within these standardised configurations		1	1	-

[1] *The positions shown by a dash (-) are not standardised.*
[2] *For ISO standard refrigerated containers.*
[3] *Mainly for shipboard installations.*
[4] *Combinations of green with the colour of the rated operating voltage can be used to identify frequencies >60÷500Hz.*
[5] *Plugs and sockets for which the IEC 60309-2 standard sets only the clock face position (h) of the earth contact and not the colour, are supplied by SCAME in RAL 7035 grey.*

CLOCK FACE POSITION - IEC RATINGS

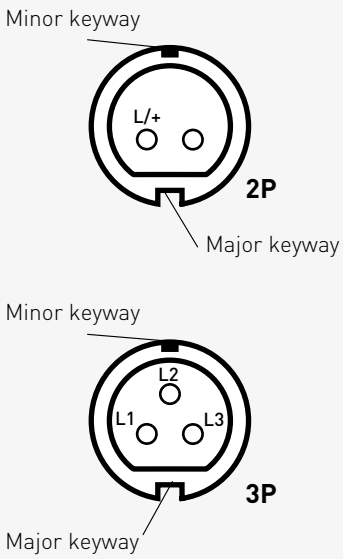


Clock diagram

No clock face position with Reference 24V-.

Clock face position (h) of the minor keyway of extra-low voltage (<50V) industrial plugs and sockets to IEC 60309-2 for different applications (polarity, voltage, frequency, current).

SOCKET (FRONT VIEW)



Clock face position

Viewing the socket from the front, the clock face position (h) is established by observing the position of the minor keyway with respect to the major keyway, which is always situated at 6 o'clock. The different voltages are identified by conventional colour codes.

Synoptic table of standard industrial plugs and sockets to IEC 60309-2

RATED OPERATING VOLTAGE <50V~ (ELV)

Poles	Frequency Hz	Rated operating voltage V	Minor keyway clock face position (h) 16A and 32A without reference	Colour code
2P	50 and 60	20÷25	without ref.	
	50 and 60	40÷50	12	
	100÷200	20÷25 and 40÷50	4	1)
	300	20÷25 and 40÷50	2	1)
	400	20÷25 and 40÷50	3	1)
	>400÷500	20÷25 and 40÷50	11	1)
	c.c.	20÷25 and 40÷50	10	
3P	50 and 60	20÷25	without ref.	
	50 and 60	40÷50	12	
	100÷200	20÷25 and 40÷50	4	1)
	300	20÷25 and 40÷50	2	1)
	400	20÷25 and 40÷50	3	1)
	>400÷500	20÷25 and 40÷50	11	1)
	c.c.	25	8	2)

1) *Combinations of green with the colour of the rated operating voltage can be used to identify frequencies >60÷500Hz.*
2) *Portable electric incubators. Use at 12Vd.c. or 24Vd.c. on ambulances or helicopters.*


SCAME

PROXIMA SYSTEM

PROXIMA SERIES
Industrial switched interlocked socket outlets **p. 175**



COMPONENTS
Modular enclosures and installation accessories **p. 182**



SWITCHED INTERLOCKED SOCKET OUTLETS
PROXIMA System

PROXIMA Series

16A-32A
103x230mm



63A
136x275mm



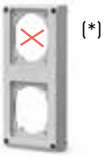
OPTIMA Series | DOMO Series | DOMOPLUS Series





PROXIMA System - Components
Flange adaptors

103x230mm

100x110mm	70x87mm	50x60mm
	 (*)	
573.5001	573.5002	573.5003

(*) DOMOPLUS cannot be installed in the indicated position.

PROXIMA System - Components

SURFACE MOUNTING BOXES

SURFACE MOUNTING MODULAR BASES

SURFACE MOUNTING DISTRIBUTION ASSEMBLIES











	Single	Single with junction box	Double with junction box	Triple with junction box	Single with consumer unit	Double with consumer unit	Triple with consumer unit	Triple with consumer unit	Quadruple with consumer unit
16A-32A	573.5100	573.5110	573.5120	573.5130	573.5111	573.5121	573.5131		573.5381
63A		573.5210			573.5211				
16A-32A-63A								573.5351	

Combination examples







PROXIMA Series

PROXIMA is a complete range of interlocked socket outlets from 16A to 63A, with or without fuse protection in 16A and 32A versions.

Available as single surface mounting or flush mounting socket outlets to be installed on the relative modular bases and distribution assemblies system.

Flush mounting versions have the switch pre-wired upstream to speed up the wiring operations of the distribution assemblies.

The large and recessed knob facilitates operation in any condition, while at the same time preventing breakage from accidental impacts.

The socket cover has a clear indication of the open and closed positions and is equipped with a high grip ring nut to ease tightening operations.

technical sheet **p. 774**

Technical information

Main characteristics





01 Pre-wired switch on DIN rail side (flush mounting versions)

02 XXL handle, ergonomic and recessed to prevent breakage due to accidental impacts

03 Padlockable in the ON and OFF position

04 AC23 switch

05 Clear indication of open or closed position

06 Captive stainless steel closing screws

SWITCHED INTERLOCKED SOCKET OUTLETS

PROXIMA System

WITHOUT FUSE CARRIER >> FLUSH MOUNTING >> IP66/IP67/IP69



IP: IP66/IP67/IP69
Flange: 103X230MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**407.16832**[1]	1/10	**407.32832**[1]	1/10
	3	DC	>50-250		**407.16834**[2]	1/10	**407.32834**[2]	1/10
	4	50 60	100-130		**407.1670**	1/10	**407.3270**	1/10
	6	50 60	200-250		**407.1683**	1/10	**407.3283**	1/10
	7	50 60	480-500		**407.16836**	1/10	**407.32836**	1/10
	8	DC	>250		**407.16838**[2]	1/10	**407.32838**[2]	1/10
	9	50 60	380-415		**407.1678**	1/10	**407.3278**	1/10
	12	50 60	TST>50		**407.16833**	1/10	**407.32833**	1/10
3P+E	2	>300-500	>50		**407.16862**[1]	1/10	**407.32862**[1]	1/10
	3	50 60	380 50Hz / 440 60Hz		**407.16864**	1/10	**407.32864**	1/10
	4	50 60	100-130		**407.1672**	1/10	**407.3272**	1/10
	5	50 60	600-690		**407.16867**[3]	1/10	**407.32867**[3]	1/10
	6	50 60	380-415		**407.1686**	1/10	**407.3286**	1/10
	7	50 60	480-500		**407.16866**	1/10	**407.32866**	1/10
	9	50 60	200-250		**407.1674**	1/10	**407.3274**	1/10
	10	100-300	>50		**407.16861**[1]	1/10	**407.32861**[1]	1/10
	11	60	440-460		**407.16865**	1/10	**407.32865**	1/10
3P+N+E	2	>300-500	>50		**407.16872**[1]	1/10	**407.32872**[1]	1/10
	3	50 60	380 50Hz / 440 60Hz		**407.16874**	1/10	**407.32874**	1/10
	4	50 60	100-130		**407.1679**	1/10	**407.3279**	1/10
	5	50 60	600-690		**407.16877**[3]	1/10	**407.32877**[3]	1/10
	6	50 60	346-415		**407.1687**	1/10	**407.3287**	1/10
	7	50 60	480-500		**407.16876**	1/10	**407.32876**	1/10
	9	50 60	208-250		**407.1675**	1/10	**407.3275**	1/10
	11	60	440-460		**407.16875**	1/10	**407.32875**	1/10



IP: IP66/IP67/IP69
Flange: 136X275MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**407.63832**[1]	1/6
	3	DC	>50-250		**407.63834**[2]	1/6
	4	50 60	100-130		**407.6370**	1/6
	6	50 60	200-250		**407.6383**	1/6
	7	50 60	480-500		**407.63836**	1/6
	9	50 60	380-415		**407.6378**	1/6
	12	50 60	TST>50		**407.63833**	1/6
3P+E	2	>300-500	>50		**407.63862**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**407.63864**	1/6
	4	50 60	100-130		**407.6372**	1/6
	5	50 60	600-690		**407.63867**[3]	1/6
	6	50 60	380-415		**407.6386**	1/6
	7	50 60	480-500		**407.63866**	1/6
	9	50 60	200-250		**407.6374**	1/6
	10	100-300	>50		**407.63861**[1]	1/6
	11	60	440-460		**407.63865**	1/6
3P+N+E	2	>300-500	>50		**407.63872**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**407.63874**	1/6
	4	50 60	100-130		**407.6379**	1/6
	5	50 60	600-690		**407.63877**[3]	1/6
	6	50 60	346-415		**407.6387**	1/6
	7	50 60	480-500		**407.63876**	1/6
	9	50 60	208-250		**407.6375**	1/6
	11	60	440-460		**407.63875**	1/6

Supplied with stainless steel fixing screws.
Pre-wired connection cables provided.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

WITHOUT FUSE CARRIER >> SURFACE MOUNTING >> IP66/IP67/IP69



IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**507.16832** [1]	1/10	**507.32832** [1]	1/10
	3	DC	>50-250		**507.16834** [2]	1/10	**507.32834** [2]	1/10
	4	50 60	100-130		**507.1670**	1/10	**507.3270**	1/10
	6	50 60	200-250		**507.1683**	1/10	**507.3283**	1/10
	7	50 60	480-500		**507.16836**	1/10	**507.32836**	1/10
	8	DC	>250		**507.16838** [2]	1/10	**507.32838** [2]	1/10
	9	50 60	380-415		**507.1678**	1/10	**507.3278**	1/10
	12	50 60	TST>50		**507.16833**	1/10	**507.32833**	1/10
3P+E	2	>300-500	>50		**507.16862** [1]	1/10	**507.32862** [1]	1/10
	3	50 60	380 50Hz / 440 60Hz		**507.16864**	1/10	**507.32864**	1/10
	4	50 60	100-130		**507.1672**	1/10	**507.3272**	1/10
	5	50 60	600-690		**507.16867** [3]	1/10	**507.32867** [3]	1/10
	6	50 60	380-415		**507.1686**	1/10	**507.3286**	1/10
	7	50 60	480-500		**507.16866**	1/10	**507.32866**	1/10
	9	50 60	200-250		**507.1674**	1/10	**507.3274**	1/10
	10	100-300	>50		**507.16861** [1]	1/10	**507.32861** [1]	1/10
	11	60	440-460		**507.16865**	1/10	**507.32865**	1/10
3P+N+E	2	>300-500	>50		**507.16872** [1]	1/10	**507.32872** [1]	1/10
	3	50 60	380 50Hz / 440 60Hz		**507.16874**	1/10	**507.32874**	1/10
	4	50 60	100-130		**507.1679**	1/10	**507.3279**	1/10
	5	50 60	600-690		**507.16877** [3]	1/10	**507.32877** [3]	1/10
	6	50 60	346-415		**507.1687**	1/10	**507.3287**	1/10
	7	50 60	480-500		**507.16876**	1/10	**507.32876**	1/10
	9	50 60	208-250		**507.1675**	1/10	**507.3275**	1/10
	11	60	440-460		**507.16875**	1/10	**507.32875**	1/10

Blank side with drilling point marks.
Top and bottom side cable entry.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

SWITCHED INTERLOCKED SOCKET OUTLETS

PROXIMA System

WITH FUSE CARRIER >> FLUSH MOUNTING >> IP66/IP67/IP69



IP: IP66/IP67/IP69
Flange: 103X230MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**408.16832**[1]	1/10	**408.32832**[1]	1/10
	3	DC	>50-250		**408.16834**[2]	1/10	**408.32834**[2]	1/10
	4	50 60	100-130		**408.1670**	1/10	**408.3270**	1/10
	6	50 60	200-250		**408.1683**	1/10	**408.3283**	1/10
	7	50 60	480-500		**408.16836**	1/10	**408.32836**	1/10
	8	DC	>250		**408.16838**[2]	1/10	**408.32838**[2]	1/10
	9	50 60	380-415		**408.1678**	1/10	**408.3278**	1/10
	12	50 60	TST>50		**408.16833**	1/10	**408.32833**	1/10
3P+E	2	>300-500	>50		**408.16862**[1]	1/10	**408.32862**[1]	1/10
	3	50 60	380 50Hz / 440 60Hz		**408.16864**	1/10	**408.32864**	1/10
	4	50 60	100-130		**408.1672**	1/10	**408.3272**	1/10
	5	50 60	600-690		**408.16867**[3]	1/10	**408.32867**[3]	1/10
	6	50 60	380-415		**408.1686**	1/10	**408.3286**	1/10
	7	50 60	480-500		**408.16866**	1/10	**408.32866**	1/10
	9	50 60	200-250		**408.1674**	1/10	**408.3274**	1/10
	10	100-300	>50		**408.16861**[1]	1/10	**408.32861**[1]	1/10
	11	60	440-460		**408.16865**	1/10	**408.32865**	1/10
3P+N+E	2	>300-500	>50		**408.16872**[1]	1/10	**408.32872**[1]	1/10
	3	50 60	380 50Hz / 440 60Hz		**408.16874**	1/10	**408.32874**	1/10
	4	50 60	100-130		**408.1679**	1/10	**408.3279**	1/10
	5	50 60	600-690		**408.16877**[3]	1/10	**408.32877**[3]	1/10
	6	50 60	346-415		**408.1687**	1/10	**408.3287**	1/10
	7	50 60	480-500		**408.16876**	1/10	**408.32876**	1/10
	9	50 60	208-250		**408.1675**	1/10	**408.3275**	1/10
	11	60	440-460		**408.16875**	1/10	**408.32875**	1/10

Supplied with stainless steel fixing screws.
Pre-wired connection cables provided.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

WITH FUSE CARRIER >> SURFACE MOUNTING >> IP66/IP67/IP69



IP: IP66/IP67/IP69

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**508.16832** [1]	1/10	**508.32832** [1]	1/10
	3	DC	>50-250		**508.16834** [2]	1/10	**508.32834** [2]	1/10
	4	50 60	100-130		**508.1670**	1/10	**508.3270**	1/10
	6	50 60	200-250		**508.1683**	1/10	**508.3283**	1/10
	7	50 60	480-500		**508.16836**	1/10	**508.32836**	1/10
	8	DC	>250		**508.16838** [2]	1/10	**508.32838** [2]	1/10
	9	50 60	380-415		**508.1678**	1/10	**508.3278**	1/10
	12	50 60	TST>50		**508.16833**	1/10	**508.32833**	1/10
3P+E	2	>300-500	>50		**508.16862** [1]	1/10	**508.32862** [1]	1/10
	3	50 60	380 50Hz / 440 60Hz		**508.16864**	1/10	**508.32864**	1/10
	4	50 60	100-130		**508.1672**	1/10	**508.3272**	1/10
	5	50 60	600-690		**508.16867** [3]	1/10	**508.32867** [3]	1/10
	6	50 60	380-415		**508.1686**	1/10	**508.3286**	1/10
	7	50 60	480-500		**508.16866**	1/10	**508.32866**	1/10
	9	50 60	200-250		**508.1674**	1/10	**508.3274**	1/10
	10	100-300	>50		**508.16861** [1]	1/10	**508.32861** [1]	1/10
	11	60	440-460		**508.16865**	1/10	**508.32865**	1/10
3P+N+E	2	>300-500	>50		**508.16872** [1]	1/10	**508.32872** [1]	1/10
	3	50 60	380 50Hz / 440 60Hz		**508.16874**	1/10	**508.32874**	1/10
	4	50 60	100-130		**508.1679**	1/10	**508.3279**	1/10
	5	50 60	600-690		**508.16877** [3]	1/10	**508.32877** [3]	1/10
	6	50 60	346-415		**508.1687**	1/10	**508.3287**	1/10
	7	50 60	480-500		**508.16876**	1/10	**508.32876**	1/10
	9	50 60	208-250		**508.1675**	1/10	**508.3275**	1/10
	11	60	440-460		**508.16875**	1/10	**508.32875**	1/10

Blank side with drilling point marks.
Top and bottom side cable entry.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

SWITCHED INTERLOCKED SOCKET OUTLETS

PROXIMA System

EXTRA LOW VOLTAGE <50V >> FLUSH MOUNTING >> WITH SAFETY TRANSFORMER - IP66/IP67/IP69



Poles	Hz	Volt	Colour	16A	
2P	50 60	24		**407.2416**	1/10

Supplied with stainless steel fixing screws.
With electrical block switch that operates on the transformer primary or that, if duly connected, can activate relays and contactors.
SELV transformer 220/24V~ 150VA (continuous duty).
Provided protections: primary circuit (2A), secondary circuit (6A), fuses included.

IP: IP66/IP67/IP69
Flange: 103X230MM

EXTRA LOW VOLTAGE <50V >> FLUSH MOUNTING >> WITHOUT SAFETY TRANSFORMER - IP66/IP67/IP69



Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		**407.2420**	1/10	**407.2620**	1/10
	12	50 60	40-50		**407.2421**	1/10	**407.2621**	1/10

Supplied with stainless steel fixing screws.
With electrical block switch that operates on the transformer primary or that, if duly connected, can activate relays and contactors.

IP: IP66/IP67/IP69
Flange: 103X230MM

Details matter



PROXIMA

SWITCHED INTERLOCKED SOCKET OUTLETS

PROXIMA System



Components

Enclosures for wall installation of single sockets or distribution assemblies in configurations from 1 to 4 sockets, with junction box or consumer unit.

The flat profiled door of the consumer unit has the particularity of the concealed opening system, which can be equipped on request with a yale key.

The lower fixing points with open slot and the metal bracket integrated in the rear part of the modular bases simplify the wall installation operations.

The drilling point marks give maximum flexibility at the installation level, while specific flange adaptors allow the installation on the PROXIMA ecnlosures of flush mounting industrial sockets and watertight domestic socket outlets.

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Technical information

Main characteristics









01 Pressure window closing system (Yale key on request)

02 Slotted lower fixing points to facilitate wall fixing operations

03 Integrated external fixing points

04 Metal bracket to facilitate wall fixing during intstallation procedure

05 Blank sides with drilling point marks

06 Full flat window to prevent dirt and dust deposit

COMPONENTS FOR SURFACE MOUNTING INSTALLATION - BOX



Description	Dimensions	IP	Flange	Notes	Code	
MODULAR BASE	107x259x79mm	IP66/IP67/IP69		1x16A-32A	**573.5100**	1/5

COMPONENTS FOR SURFACE MOUNTING INSTALLATION - FLANGE ADAPTER



Description	Dimensions	IP	Flange	Notes	Code	
FLANGE ADAPTER		IP65	103X230MM	1x63A[100x110mm]	**573.5001**	1/10



Description	Dimensions	IP	Flange	Notes	Code	
FLANGE ADAPTER		IP65	103X230MM	2x16A[70x87mm]	**573.5002**	1/10



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.



Description	Dimensions	IP	Flange	Notes	Code	
FLANGE ADAPTER		IP65	103X230MM	1xP40 [DOMOPLUS]	**573.5002-01**	1

Flange adapter pre-assembled with one blank plate and one DOMOPLUS Series P40 domestic socket outlets.



Description	Dimensions	IP	Flange	Notes	Code	
FLANGE ADAPTER		IP54	103X230MM	2xP40 [DOMO]	**573.5002-02**	1

Flange adapter pre-assembled with two DOMO Series P40 domestic socket outlets.



Description	Dimensions	IP	Flange	Notes	Code	
FLANGE ADAPTER		IP65	103X230MM	3xDOMO[50x60mm]	**573.5003**	1/10

SWITCHED INTERLOCKED SOCKET OUTLETS

PROXIMA System

COMPONENTS FOR SURFACE MOUNTING INSTALLATION - COVER



Description	Dimensions	IP	Flange	Notes	Code	
BASE BLANK COVER		IP65	103X230MM	BLANK	**573.5000**	1/10



Description	Dimensions	IP	Flange	Notes	Code	
BASE BLANK COVER		IP66/IP67	136X275MM	BLANK	**573.5010**	5

COMPONENTS FOR SURFACE MOUNTING INSTALLATION >> 1 PROXIMA + CONSUMER UNITS



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	107x438x110mm	IP65	1x16A-32A + 5 DIN	**573.5111**	1



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	140x485x110mm	IP65	1x63A + 7 DIN	**573.5211**	1

COMPONENTS FOR SURFACE MOUNTING INSTALLATION >> 2 PROXIMA + CONSUMER UNITS



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	212x438x110mm	IP65	2x16A-32A + 10 DIN	**573.5121**	1

COMPONENTS FOR SURFACE MOUNTING INSTALLATION >> 3 PROXIMA + CONSUMER UNITS



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	317x438x110mm	IP65	3x16A-32A + 16 DIN	**573.5131**	1

COMPONENTS FOR SURFACE MOUNTING INSTALLATION >> 3 PROXIMA + 2 DOMO + CONSUMER UNITS



Description	Dimensions	IP	Notes	Code	
SURFACE MOUNTING ENCLOSURE	477x550x156mm	IP65	2x16A/32A + 1x63A + 2xDOMO	**573.5351**	1

COMPONENTS FOR SURFACE MOUNTING INSTALLATION >> 4 PROXIMA + 4 DOMO + CONSUMER UNITS



Description	Dimensions	IP	Notes	Code	
SURFACE MOUNTING ENCLOSURE	477x550x156mm	IP65	4x16A/32A + 4 DOMO	**573.5381**	1

COMPONENTS FOR SURFACE MOUNTING INSTALLATION >> 1 PROXIMA + JUNCTION BOX



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	107x438x110mm	IP66	1x16A-32A + BOX	**573.5110**	1



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	140x485x110mm	IP66	1x63A + BOX	**573.5210**	1

SWITCHED INTERLOCKED SOCKET OUTLETS

PROXIMA System

COMPONENTS FOR SURFACE MOUNTING INSTALLATION >> 2 PROXIMA + JUNCTION BOX



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	212x438x110mm	IP66	2x16A-32A + BOX	**573.5120**	1

COMPONENTS FOR SURFACE MOUNTING INSTALLATION >> 3 PROXIMA + JUNCTION BOX



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	317x438x110mm	IP66	3x16A-32A + BOX	**573.5130**	1

CONTACT BLOCKS



Description	Colour	Switch size	Code	
NC CONTACT		16-32A	**590.PL004001** [2]	10/60
		63A	**590.PL004003** [2]	10
NO CONTACT		16-32A	**590.PL004002** [1]	10/60
		63A	**590.PL004004** [1]	10
CHANGE OVER CONTACT		16-32A	**590.PL004005**	10
		63A	**590.PL004006**	10

Snap catch.

[1] *NO=Normally open.*
[2] *NC=Normally closed.*

BLANK PLATES



Description	Flange	IP	Colour	Code	
BLANK PLATE FOR PANEL CUT OUTS	70X87MM	IP66		**654.0100P**	25

With gasket.



Description	Flange	IP	Colour	Code	
BLANK PLATE FOR PANEL CUT OUTS	50X60MM	IP66		**654.0105P**	25

With gasket.

BLANK PLATE FOR DIN MODULES



Description	Notes	Code	
BLANK PLATE FOR DIN MODULES	9x45mm	**654.0420**	25/400

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	Code	
BLANK PLATE FOR DIN MODULES	18x45mm	**654.0410**	25/250

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	Code	
BLANK PLATE FOR DIN MODULES	73x49mm	**654.0400**	25/250

When put between the modular devices these plates help to dissipate heat.

CONNECTION KIT



Description	Notes	Code	
CONNECTION KIT	PG21	**654.0038**	25

YALE KEY KIT



Description	Code	
YALE KEY KIT	**654.0075**	10

Unique Yale keys, the same key opens all locks.



OMNIA SYSTEM

OMNIA SERIES
Compact industrial switched interlocked socket outlets
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OMNIAPLUS SERIES
Compact domestic switched interlocked socket outlets
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COMPONENTS
Modular enclosures and installation accessories
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SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System

136x125mm

OMNIA Series 16A-32A



OMNIAPLUS Series



ISOLATORS-TP Series



OMNIA Series 63A

136x275mm



OPTIMA Series



DOMO Series



DOMOPLUS Series



OMNIA System - Components

136x125mm

Flange adaptors



70x87mm

654.0125



84x106mm

654.0126

OMNIA System - Components

FLUSH MOUNTING BOXES







Frame	Single for masonry wall	Single for plasterboard wall
572.0220	572.0200	572.0205

SURFACE MOUNTING BOXES



SURFACE MOUNTING MODULAR BASES



	Single	Single	Double	Single with junction box	Double with junction box	Triple with junction box	Quadruple with junction box	Single with consumer unit	Double with consumer unit	Triple with consumer unit	Quadruple with consumer unit
16A-32A	572.0310*		572.0322	572.0318	572.0312	572.0314	572.0316	572.0317	572.0311	572.0313	572.0315
63A		572.0308									

** 572.0309 for 32A fuse version*

Combination examples



Flush mounting combination



Surface mounting box combination



Surface mounting modular bases combinations

Compatibility

DOMINO IP66 Series



672.1200

8 DIN



672.2200

12 DIN



672.3200

16 DIN



672.4216

16 DIN



672.5316

16 DIN



672.5416

24 DIN



672.5522

24 DIN



672.5622

MBOX Series

MBOX2



656.0024-000

MBOX3



657.0035-000
657.0036-000
657.0037-000

MBOX5



658.0050-000
658.0051-000

ADVANCE2 System - Components

Modular plate
LARGE 136 MODULE



576.4340

Combination examples



DOMINO IP66



MBOX



ADVANCE2



OMNIA Series

OMNIA is a complete range of interlocked socket outlets from 16A to 63A, fused or without fuse, with compact dimensions and great installation flexibility. Available as flush mounting (for masonry or plasterboard walls) or surface mounting version in single configurations or up to 4 sockets through a system of modular bases even provided with junction box or consumer unit. OMNIA in flush mounting configuration finds its ideal use in the tertiary sector, but the dimensions of the flange allow it to be installed in the DOMINO and MBOX Series of distribution assembiles for industrial and construction site applications, taking advantage of the modularity that has always been at the base of the SCAME systems.

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Technical information

Main characteristics 16A-32A





01 Clear indication of open or closed position

02 Handle with increased ergonony and reduced protrusion to limit dirt deposits

03 Padlockable in the ON and OFF position

04 AC23 switch

05 Captive stainless steel closing screws

Compact.
Only in size.



OMNIA

SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System

WITHOUT FUSE CARRIER >> FLUSH MOUNTING >> IP44



IP: IP44
Flange: 136X125MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**400.16832**[1]	1/6	**400.32832**[1]	1/6
	3	DC	>50-250		**400.16834**[2]	1/6	**400.32834**[2]	1/6
	4	50 60	100-130		**400.1670**	1/6	**400.3270**	1/6
	6	50 60	200-250		**400.1683**	6	**400.3283**	1/6
	7	50 60	480-500		**400.16836**	1/6	**400.32836**	1/6
	8	DC	>250		**400.16838**[2]	1/6	**400.32838**[2]	1/6
	9	50 60	380-415		**400.1678**	1/6	**400.3278**	1/6
	12	50 60	TST>50		**400.16833**	1/6	**400.32833**	1/6
3P+E	2	>300-500	>50		**400.16862**[1]	1/6	**400.32862**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**400.16864**	1/6	**400.32864**	1/6
	4	50 60	100-130		**400.1672**	1/6	**400.3272**	1/6
	5	50 60	600-690		**400.16867**[3]	1/6	**400.32867**[3]	1/6
	6	50 60	380-415		**400.1686**	6	**400.3286**	6
	7	50 60	480-500		**400.16866**	1/6	**400.32866**	1/6
	9	50 60	200-250		**400.1674**	1/6	**400.3274**	1/6
	10	100-300	>50		**400.16861**[1]	1/6	**400.32861**[1]	1/6
	11	60	440-460		**400.16865**	1/6	**400.32865**	1/6
3P+N+E	2	>300-500	>50		**400.16872**[1]	1/6	**400.32872**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**400.16874**	1/6	**400.32874**	1/6
	4	50 60	100-130		**400.1679**	1/6	**400.3279**	1/6
	5	50 60	600-690		**400.16877**[3]	1/6	**400.32877**[3]	1/6
	6	50 60	346-415		**400.1687**	6	**400.3287**	6
	7	50 60	480-500		**400.16876**	1/6	**400.32876**	1/6
	9	50 60	208-250		**400.1675**	1/6	**400.3275**	1/6
	11	60	440-460		**400.16875**	1/6	**400.32875**	1/6

Supplied with stainless steel fixing screws.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

WITHOUT FUSE CARRIER >> FLUSH MOUNTING >> IP66/IP67



IP: IP66/IP67
Flange: 136X125MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**405.16832**[1]	1/6	**405.32832**[1]	1/6
	3	DC	>50-250		**405.16834**[2]	1/6	**405.32834**[2]	1/6
	4	50 60	100-130		**405.1670**	1/6	**405.3270**	1/6
	6	50 60	200-250		**405.1683**	6	**405.3283**	6
	7	50 60	480-500		**405.16836**	1/6	**405.32836**	1/6
	8	DC	>250		**405.16838**[2]	1/6	**405.32838**[2]	1/6
	9	50 60	380-415		**405.1678**	1/6	**405.3278**	1/6
	12	50 60	TST>50		**405.16833**	1/6	**405.32833**	1/6
3P+E	2	>300-500	>50		**405.16862**[1]	1/6	**405.32862**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**405.16864**	1/6	**405.32864**	1/6
	4	50 60	100-130		**405.1672**	1/6	**405.3272**	1/6
	5	50 60	600-690		**405.16867**[3]	1/6	**405.32867**[3]	1/6
	6	50 60	380-415		**405.1686**	6	**405.3286**	6
	7	50 60	480-500		**405.16866**	1/6	**405.32866**	1/6
	9	50 60	200-250		**405.1674**	1/6	**405.3274**	1/6
	10	100-300	>50		**405.16861**[1]	1/6	**405.32861**[1]	1/6
	11	60	440-460		**405.16865**	1/6	**405.32865**	1/6
3P+N+E	2	>300-500	>50		**405.16872**[1]	1/6	**405.32872**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**405.16874**	1/6	**405.32874**	1/6
	4	50 60	100-130		**405.1679**	1/6	**405.3279**	1/6
	5	50 60	600-690		**405.16877**[3]	1/6	**405.32877**[3]	1/6
	6	50 60	346-415		**405.1687**	6	**405.3287**	6
	7	50 60	480-500		**405.16876**	1/6	**405.32876**	1/6
	9	50 60	208-250		**405.1675**	1/6	**405.3275**	1/6
	11	60	440-460		**405.16875**	1/6	**405.32875**	1/6



IP: IP66/IP67
Flange: 136X275MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	4	50 60	100-130		**405.6370**	1/6
	6	50 60	200-250		**405.6383**	1/6
	7	50 60	480-500		**405.63836**	1/6
	9	50 60	380-415		**405.6378**	1/6
	12	50 60	TST>50		**405.63833**	1/6
3P+E	4	50 60	100-130		**405.6372**	1/6
	5	50 60	600-690		**405.63867**[3]	1/6
	6	50 60	380-415		**405.6386**	1/6
	7	50 60	480-500		**405.63866**	1/6
	9	50 60	200-250		**405.6374**	1/6
	11	60	440-460		**405.63865**	1/6
3P+N+E	4	50 60	100-130		**405.6379**	1/6
	5	50 60	600-690		**405.63877**[3]	1/6
	6	50 60	346-415		**405.6387**	1/6
	7	50 60	480-500		**405.63876**	1/6
	9	50 60	208-250		**405.6375**	1/6
	11	60	440-460		**405.63875**	1/6

Supplied with stainless steel fixing screws.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System

WITHOUT FUSE CARRIER >> SURFACE MOUNTING >> IP44



IP: IP44

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**500.16832**[1]	1/6	**500.32832**[1]	1/6
	3	DC	>50-250		**500.16834**[2]	1/6	**500.32834**[2]	1/6
	4	50 60	100-130		**500.1670**	1/6	**500.3270**	1/6
	6	50 60	200-250		**500.1683**	6	**500.3283**	1/6
	7	50 60	480-500		**500.16836**	1/6	**500.32836**	1/6
	8	DC	>250		**500.16838**[2]	1/6	**500.32838**[2]	1/6
	9	50 60	380-415		**500.1678**	1/6	**500.3278**	1/6
	12	50 60	TST>50		**500.16833**	1/6	**500.32833**	1/6
3P+E	2	>300-500	>50		**500.16862**[1]	1/6	**500.32862**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**500.16864**	1/6	**500.32864**	1/6
	4	50 60	100-130		**500.1672**	1/6	**500.3272**	1/6
	5	50 60	600-690		**500.16867**[3]	1/6	**500.32867**[3]	1/6
	6	50 60	380-415		**500.1686**	1/6	**500.3286**	1/6
	7	50 60	480-500		**500.16866**	1/6	**500.32866**	1/6
	9	50 60	200-250		**500.1674**	1/6	**500.3274**	1/6
	10	100-300	>50		**500.16861**[1]	1/6	**500.32861**[1]	1/6
	11	60	440-460		**500.16865**	1/6	**500.32865**	1/6
3P+N+E	2	>300-500	>50		**500.16872**[1]	1/6	**500.32872**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**500.16874**	1/6	**500.32874**	1/6
	4	50 60	100-130		**500.1679**	1/6	**500.3279**	1/6
	5	50 60	600-690		**500.16877**[3]	1/6	**500.32877**[3]	1/6
	6	50 60	346-415		**500.1687**	6	**500.3287**	6
	7	50 60	480-500		**500.16876**	1/6	**500.32876**	1/6
	9	50 60	208-250		**500.1675**	1/6	**500.3275**	1/6
	11	60	440-460		**500.16875**	1/6	**500.32875**	1/6

Blank side with drilling point marks.
Note: in case of mounting with ADVANCE2 System, use METRIC drilling point mark.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

WITHOUT FUSE CARRIER >> SURFACE MOUNTING >> IP66/IP67



IP: IP66/IP67

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**505.16832**[1]	1/6	**505.32832**[1]	1/6
	3	DC	>50-250		**505.16834**[2]	1/6	**505.32834**[2]	1/6
	4	50 60	100-130		**505.1670**	1/6	**505.3270**	1/6
	6	50 60	200-250		**505.1683**	6	**505.3283**	1/6
	7	50 60	480-500		**505.16836**	1/6	**505.32836**	1/6
	8	DC	>250		**505.16838**[2]	1/6	**505.32838**[2]	1/6
	9	50 60	380-415		**505.1678**	1/6	**505.3278**	1/6
	12	50 60	TST>50		**505.16833**	1/6	**505.32833**	1/6
3P+E	2	>300-500	>50		**505.16862**[1]	1/6	**505.32862**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**505.16864**	1/6	**505.32864**	1/6
	4	50 60	100-130		**505.1672**	1/6	**505.3272**	1/6
	5	50 60	600-690		**505.16867**[3]	1/6	**505.32867**[3]	1/6
	6	50 60	380-415		**505.1686**	1/6	**505.3286**	1/6
	7	50 60	480-500		**505.16866**	1/6	**505.32866**	1/6
	9	50 60	200-250		**505.1674**	1/6	**505.3274**	1/6
	10	100-300	>50		**505.16861**[1]	1/6	**505.32861**[1]	1/6
	11	60	440-460		**505.16865**	1/6	**505.32865**	1/6
3P+N+E	2	>300-500	>50		**505.16872**[1]	1/6	**505.32872**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**505.16874**	1/6	**505.32874**	1/6
	4	50 60	100-130		**505.1679**	1/6	**505.3279**	1/6
	5	50 60	600-690		**505.16877**[3]	1/6	**505.32877**[3]	1/6
	6	50 60	346-415		**505.1687**	1/6	**505.3287**	1/6
	7	50 60	480-500		**505.16876**	1/6	**505.32876**	1/6
	9	50 60	208-250		**505.1675**	1/6	**505.3275**	1/6
	11	60	440-460		**505.16875**	1/6	**505.32875**	1/6



IP: IP66/IP67

Poles	h	Hz	Volt	Colour	63A	
2P+E	3	DC	>50-250		**505.63834**[2]	1/6
	4	50 60	100-130		**505.6370**	1/6
	6	50 60	200-250		**505.6383**	1/6
	7	50 60	480-500		**505.63836**	1/6
	9	50 60	380-415		**505.6378**	1/6
	12	50 60	TST>50		**505.63833**	1/6
3P+E	4	50 60	100-130		**505.6372**	1/6
	5	50 60	600-690		**505.63867**[3]	1/6
	6	50 60	380-415		**505.6386**	1/6
	7	50 60	480-500		**505.63866**	1/6
	9	50 60	200-250		**505.6374**	1/6
	11	60	440-460		**505.63865**	1/6
3P+N+E	2	>300-500	>50		**505.63872**[1]	1/6
	4	50 60	100-130		**505.6379**	1/6
	5	50 60	600-690		**505.63877**[3]	1/6
	6	50 60	346-415		**505.6387**	1/6
	7	50 60	480-500		**505.63876**	1/6
	9	50 60	208-250		**505.6375**	1/6
	11	60	440-460		**505.63875**	1/6

Blank side with drilling point marks.
Note: in case of mounting with ADVANCE2 System, use METRIC drilling point mark.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System

WITH FUSE CARRIER >> FLUSH MOUNTING >> IP44



IP: IP44
Flange: 136X125MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**401.16832**[1]	1/6		
	3	DC	>50-250		**401.16834**[2]	1/6		
	4	50 60	100-130		**401.1670**	1/6	**401.3270**	1/6
	6	50 60	200-250		**401.1683**	6	**401.3283**	1/6
	7	50 60	480-500		**401.16836**	1/6		
	8	DC	>250		**401.16838**[2]	1/6		
	9	50 60	380-415		**401.1678**	1/6	**401.3278**	1/6
	12	50 60	TST>50		**401.16833**	1/6		
3P+E	2	>300-500	>50		**401.16862**[1]	1/6		
	3	50 60	380 50Hz / 440 60Hz		**401.16864**	1/6		
	4	50 60	100-130		**401.1672**	1/6	**401.3272**	1/6
	5	50 60	600-690		**401.16867**[3]	1/6		
	6	50 60	380-415		**401.1686**	6	**401.3286**	1/6
	7	50 60	480-500		**401.16866**	1/6		
	9	50 60	200-250		**401.1674**	1/6	**401.3274**	1/6
	10	100-300	>50		**401.16861**[1]	1/6		
	11	60	440-460		**401.16865**	1/6		
3P+N+E	2	>300-500	>50		**401.16872**[1]	1/6		
	3	50 60	380 50Hz / 440 60Hz		**401.16874**	1/6		
	4	50 60	100-130		**401.1679**	1/6	**401.3279**	1/6
	5	50 60	600-690		**401.16877**[3]	1/6		
	6	50 60	346-415		**401.1687**	6	**401.3287**	1/6
	7	50 60	480-500		**401.16876**	1/6		
	9	50 60	208-250		**401.1675**	1/6	**401.3275**	1/6
	11	60	440-460		**401.16875**	1/6		

Supplied with stainless steel fixing screws.
Fuses not supplied.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

WITH FUSE CARRIER >> FLUSH MOUNTING >> IP66/IP67



IP: IP66/IP67
Flange: 136X125MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**406.16832**[1]	1/6		
	3	DC	>50-250		**406.16834**[2]	1/6		
	4	50 60	100-130		**406.1670**	1/6	**406.3270**	1/6
	6	50 60	200-250		**406.1683**	6	**406.3283**	6
	7	50 60	480-500		**406.16836**	1/6		
	8	DC	>250		**406.16838**[2]	1/6		
	9	50 60	380-415		**406.1678**	1/6	**406.3278**	1/6
	12	50 60	TST>50		**406.16833**	1/6		
3P+E	2	>300-500	>50		**406.16862**[1]	1/6		
	3	50 60	380 50Hz / 440 60Hz		**406.16864**	1/6		
	4	50 60	100-130		**406.1672**	1/6	**406.3272**	1/6
	5	50 60	600-690		**406.16867**[3]	1/6		
	6	50 60	380-415		**406.1686**	6	**406.3286**	6
	7	50 60	480-500		**406.16866**	1/6		
	9	50 60	200-250		**406.1674**	1/6	**406.3274**	1/6
	10	100-300	>50		**406.16861**[1]	1/6		
	11	60	440-460		**406.16865**	1/6		
3P+N+E	2	>300-500	>50		**406.16872**[1]	1/6		
	3	50 60	380 50Hz / 440 60Hz		**406.16874**	1/6		
	4	50 60	100-130		**406.1679**	1/6	**406.3279**	1/6
	5	50 60	600-690		**406.16877**[3]	1/6		
	6	50 60	346-415		**406.1687**	6	**406.3287**	6
	7	50 60	480-500		**406.16876**	1/6		
	9	50 60	208-250		**406.1675**	1/6	**406.3275**	1/6
	11	60	440-460		**406.16875**	1/6		

Supplied with stainless steel fixing screws.
Fuses not supplied.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*
[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*
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SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System

WITH FUSE CARRIER >> SURFACE MOUNTING >> IP44



IP: IP44

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**501.16832**[1]	1/6		
	3	DC	>50-250		**501.16834**[2]	1/6		
	4	50 60	100-130		**501.1670**	1/6	**501.3270**	1/6
	6	50 60	200-250		**501.1683**	1/6	**501.3283**	1/6
	7	50 60	480-500		**501.16836**	1/6		
	8	DC	>250		**501.16838**[2]	1/6		
	9	50 60	380-415		**501.1678**	1/6	**501.3278**	1/6
	12	50 60	TST>50		**501.16833**	1/6		
3P+E	2	>300-500	>50		**501.16862**[1]	1/6		
	3	50 60	380 50Hz / 440 60Hz		**501.16864**	1/6		
	4	50 60	100-130		**501.1672**	1/6	**501.3272**	1/6
	5	50 60	600-690		**501.16867**[3]	1/6		
	6	50 60	380-415		**501.1686**	1/6	**501.3286**	1/6
	7	50 60	480-500		**501.16866**	1/6		
	9	50 60	200-250		**501.1674**	1/6	**501.3274**	1/6
	10	100-300	>50		**501.16861**[1]	1/6		
	11	60	440-460		**501.16865**	1/6		
3P+N+E	2	>300-500	>50		**501.16872**[1]	1/6		
	3	50 60	380 50Hz / 440 60Hz		**501.16874**	1/6		
	4	50 60	100-130		**501.1679**	1/6	**501.3279**	1/6
	5	50 60	600-690		**501.16877**[3]	1/6		
	6	50 60	346-415		**501.1687**	1/6	**501.3287**	1/6
	7	50 60	480-500		**501.16876**	1/6	**501.32876**	1/6
	9	50 60	208-250		**501.1675**	1/6	**501.3275**	1/6
	11	60	440-460		**501.16875**	1/6		

Blank side with drilling point marks.
Note: in case of mounting with ADVANCE2 System, use METRIC drilling point mark.
Fuses not supplied.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

WITH FUSE CARRIER >> SURFACE MOUNTING >> IP66/IP67



IP: IP66/IP67

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**506.16832**[1]	1/6		
	3	DC	>50-250		**506.16834**[2]	1/6		
	4	50 60	100-130		**506.1670**	1/6	**506.3270**	1/6
	6	50 60	200-250		**506.1683**	6	**506.3283**	1/6
	7	50 60	480-500		**506.16836**	1/6		
	8	DC	>250		**506.16838**[2]	1/6		
	9	50 60	380-415		**506.1678**	1/6	**506.3278**	1/6
	12	50 60	TST>50		**506.16833**	1/6		
3P+E	2	>300-500	>50		**506.16862**[1]	1/6		
	3	50 60	380 50Hz / 440 60Hz		**506.16864**	1/6		
	4	50 60	100-130		**506.1672**	1/6	**506.3272**	1/6
	5	50 60	600-690		**506.16867**[3]	1/6		
	6	50 60	380-415		**506.1686**	1/6	**506.3286**	1/6
	7	50 60	480-500		**506.16866**	1/6		
	9	50 60	200-250		**506.1674**	1/6	**506.3274**	1/6
	10	100-300	>50		**506.16861**[1]	1/6		
	11	60	440-460		**506.16865**	1/6		
3P+N+E	2	>300-500	>50		**506.16872**[1]	1/6		
	3	50 60	380 50Hz / 440 60Hz		**506.16874**	1/6		
	4	50 60	100-130		**506.1679**	1/6	**506.3279**	1/6
	5	50 60	600-690		**506.16877**[3]	1/6		
	6	50 60	346-415		**506.1687**	1/6	**506.3287**	1/6
	7	50 60	480-500		**506.16876**	1/6	**506.32876**	1/6
	9	50 60	208-250		**506.1675**	1/6	**506.3275**	1/6
	11	60	440-460		**506.16875**	1/6		

Blank side with drilling point marks.
Note: in case of mounting with ADVANCE2 System, use METRIC drilling point mark.
Fuses not supplied.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System

EXTRA LOW VOLTAGE <50V >> FLUSH MOUNTING (WITH SAFETY TRANSFORMER) >> WITH SAFETY TRANSFORMER - IP44



Poles	Hz	Volt	Colour	16A	
2P	50 60	24		400.2416	6

With electrical block switch that operates on the transformer primary or that, if duly connected, can activate relays and contactors.
SELV transformer 220/24V~ 60VA (continuous duty).
Unsuitable for ADVANCE2 System. Use box ref. 572.0309.

IP: IP44
Flange: 136X125MM

EXTRA LOW VOLTAGE <50V >> FLUSH MOUNTING (WITH SAFETY TRANSFORMER) >> WITH SAFETY TRANSFORMER - IP66/IP67



Poles	Hz	Volt	Colour	16A	
2P	50 60	24		405.2416	6

With electrical block switch that operates on the transformer primary or that, if duly connected, can activate relays and contactors.
SELV transformer 220/24V~ 60VA (continuous duty).
Unsuitable for ADVANCE2 System. Use box ref. 572.0309.

IP: IP66/IP67
Flange: 136X125MM

EXTRA LOW VOLTAGE <50V >> FLUSH MOUNTING (WITHOUT SAFETY TRANSFORMER) >> WITHOUT SAFETY TRANSFORMER - IP44



Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		400.2420	6	400.2620	6
	12	50 60	40-50		400.2421	6	400.2621	6

With electrical block switch that operates on the transformer primary or that, if duly connected, can activate relays and contactors.
The versions without transformer are particularly suitable for installations with centralised extra-low voltage transformer.

IP: IP44
Flange: 136X125MM

EXTRA LOW VOLTAGE <50V >> FLUSH MOUNTING (WITHOUT SAFETY TRANSFORMER) >> WITHOUT SAFETY TRANSFORMER - IP66/IP67



Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		405.2420	6	405.2620	6
	12	50 60	40-50		405.2421	6	405.2621	6

With electrical block switch that operates on the transformer primary or that, if duly connected, can activate relays and contactors.
The versions without transformer are particularly suitable for installations with centralised extra-low voltage transformer.

IP: IP66/IP67
Flange: 136X125MM

EXTRA LOW VOLTAGE <50V >> SURFACE MOUNTING >> WITHOUT SAFETY TRANSFORMER - IP44



Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		500.2420	6	500.2620	6
	12	50 60	40-50		500.2421	6	500.2621	6

Blank side with drilling point marks.
When plug is inserted a micro-switch is activated and closes the circuit.
Note: in case of mounting with ADVANCE2 System, use METRIC drilling point mark.
The versions without transformer are particularly suitable for installations with centralised extra-low voltage transformer.

IP: IP44

EXTRA LOW VOLTAGE <50V >> SURFACE MOUNTING >> WITHOUT SAFETY TRANSFORMER - IP66/IP67



Poles	h	Hz	Volt	Colour	16A		32A	
2P		50 60	20-25		505.2420	6	505.2620	6
	12	50 60	40-50		505.2421	6	505.2621	6

Blank side with drilling point marks.
When plug is inserted a micro-switch is activated and closes the circuit.
Note: in case of mounting with ADVANCE2 System, use METRIC drilling point mark.
The versions without transformer are particularly suitable for installations with centralised extra-low voltage transformer.

IP: IP66/IP67

SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System



OMNIAPLUS Series

OMNIAPLUS is a range of watertight domestic socket outlets equipped with interlock mechanism.

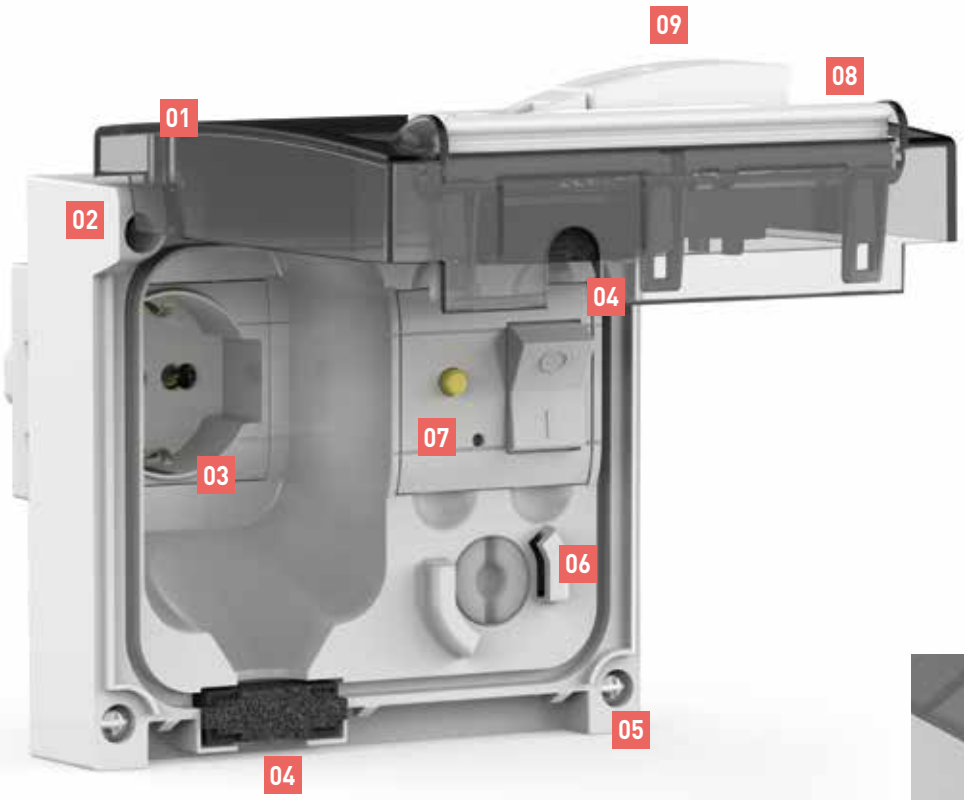
Available in different international standards, with or without additional protections, they resume the dimensions and installation possibilities of the OMNIA Series, with the particularity of guaranteeing the IP56 degree of protection even when the plug is inserted. OMNIAPLUS is a worldwide exclusive of SCAME, suitable for feeding single-phase devices such as drills or milling machines in the tertiary, industrial and construction site sectors.

The padlocking of the knob makes it perfect for installation in public areas in the presence of unqualified personnel.

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Technical information

Main characteristics





01 Tinted polycarbonate cover to view the inside

02 Automatic closure with spring

03 Domestic sockets respecting the main international standards

04 Cable sleeve gaskets to maintain the IP56 degree of protection even with the plug inserted

05 Captive stainless steel closing screws

06 1P+N switch

07 Available in versions without protection, with protection fuse, MCB or RCBO protection.

08 Cover fitted with wing to facilitate opening and closing operations

09 Padlockable closing knob with lock in position 0 and 1

Applications examples



Industrial kitchen

FLUSH MOUNTING >> WITHOUT PROTECTION



IP: IP56
Flange 136X125MM

Description	Type	Poles	Current	Volt	Code	
DOMESTIC INTERLOCKED SOCKET		2P+E	16A	250	**409.0411**	6
		2P+E	16A	250	**409.0407**	6
		2P+E	16A	250	**409.0404**	6
		2P+E	16A	250	**409.0405**	6
		2P+E	13A	250	**409.0413**	6
		2P+E	16A	250	**409.0403**	6
		2P+E	10A	250	**409.0417**	6
		2P+E	10A	250	**409.0424**	6
		2P+E	10A	250	**409.0421**	6
		2P+E	10A	250	**409.0427**	6
		2P+E	16A	250	**409.0428**	6
		2P+E	6A 16A	250	**409.0429**	6

French standard 2P+E 16A

German standard 2P+E 16A

Italian standard P17/11 2P+E 16A

Italian standard P30 2P+E 16A

Pluristandard P40 2P+E 16A

British standard 2P+E 13A

Swiss standard 2P+E 10A

Argentinian standard 2P+E 10A

Brazilian standard 2P+E 10A

New Zealand standard 2P+E 10A

South African standard 2P+E 16A

Indian standard 2P+E 6A-16A

SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System

FLUSH MOUNTING >> PROTECTION WITH FUSE 6.3X32MM



IP: IP56
Flange 136X125MM

Description	Type	Poles	Current	Volt	Code	
DOMESTIC INTERLOCKED SOCKET		2P+E	16A	250	**409.1411**	6
		2P+E	16A	250	**409.1407**	6
		2P+E	16A	250	**409.1404**	6
		2P+E	16A	250	**409.1405**	6
		2P+E	13A	250	**409.1413**	6
		2P+E	16A	250	**409.1403**	6
		2P+E	10A	250	**409.1417**	6
		2P+E	10A	250	**409.1424**	6
		2P+E	10A	250	**409.1421**	6
		2P+E	10A	250	**409.1427**	6
		2P+E	16A	250	**409.1428**	6
		2P+E	6A 16A	250	**409.1429**	6

Fuses supplied (MAX 10A).

FLUSH MOUNTING >> PROTECTION WITH MCB



IP: IP56
Flange 136X125MM

Description	Type	Poles	Current	Volt	Code	
DOMESTIC INTERLOCKED SOCKET		2P+E	16A	250	**409.2411**	6
		2P+E	16A	250	**409.2407**	6
		2P+E	16A	250	**409.2404**	6
		2P+E	16A	250	**409.2405**	6
		2P+E	13A	250	**409.2413**[1)]	6
		2P+E	16A	250	**409.2403**	6
		2P+E	10A	250	**409.2417**[1)]	6
		2P+E	10A	250	**409.2424**[1)]	6
		2P+E	10A	250	**409.2421**[1)]	6
		2P+E	10A	250	**409.2427**[1)]	6
		2P+E	16A	250	**409.2428**	6
		2P+E	6A 16A	250	**409.2429**	6

[1)] *10A (C10).*

French standard 2P+E 16A

German standard 2P+E 16A

Italian standard P17/11 2P+E 16A

Italian standard P30 2P+E 16A

Pluristandard P40 2P+E 16A

British standard 2P+E 13A

Swiss standard 2P+E 10A

Argentinian standard 2P+E 10A

Brazilian standard 2P+E 10A

New Zealand standard 2P+E 10A

South African standard 2P+E 16A

Indian standard 2P+E 6A-16A

FLUSH MOUNTING >> PROTECTION WITH RCBO



IP: IP56
Flange 136X125MM

Description	Type	Poles	Current	Volt	Code	
DOMESTIC INTERLOCKED SOCKET		2P+E	16A	250	**409.3411**	6
		2P+E	16A	250	**409.3407**	6
		2P+E	16A	250	**409.3404**	6
		2P+E	16A	250	**409.3405**	6
		2P+E	13A	250	**409.3413** [1)]	6
		2P+E	16A	250	**409.3403**	6
		2P+E	10A	250	**409.3417**	6
		2P+E	10A	250	**409.3424** [1)]	6
		2P+E	10A	250	**409.3421** [1)]	6
		2P+E	10A	250	**409.3427** [1)]	6
		2P+E	16A	250	**409.3428**	6
		2P+E	6A 16A	250	**409.3429**	6

[1)] *10A (C10).*

French standard 2P+E 16A
German standard 2P+E 16A
Italian standard P17/11 2P+E 16A
Italian standard P30 2P+E 16A
Pluristandard P40 2P+E 16A
British standard 2P+E 13A
Swiss standard 2P+E 10A
Argentinian standard 2P+E 10A
Brazilian standard 2P+E 10A
New Zealand standard 2P+E 10A
South African standard 2P+E 16A
Indian standard 2P+E 6A-16A

SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System



Components

Single flush mounting boxes (for masonry or plasterboard walls) and surface mounting modular bases in configurations up to 4 sockets provided with junction box or consumer unit.

technical sheet **p. 772**

COMPONENTS FOR FLUSH MOUNTING INSTALLATION



Description	Dimensions	IP	Flange	Notes	Code	
FRAME	174x163x19mm	IP55	160X149MM	OMNIA 16-32A	**572.0220**	6/60

IP55 when assembled together with the relevant component.
To be used in conjunction with flush-mounted boxes.



Description	Dimensions	IP	Flange	Notes	Code	
COUPLING INSERT				OMNIA 16-32A	**572.0210**	6/60



Description	Dimensions	IP	Flange	Notes	Code	
BOX	160x149x72mm			OMNIA 16-32A	**572.0200**	6

Complete with coupling insert.
Suitable for being walled up in buried systems.



Description	Dimensions	IP	Flange	Notes	Code	
BOX FOR PLASTERBOARD WALLS	160x149x75mm			OMNIA 16-32A	**572.0205**	6

COMPONENTS FOR SURFACE MOUNTING INSTALLATION - BOX



Description	Dimensions	IP	Flange	Notes	Code	
BOX	136x125x70mm	IP67	136X125MM	16-32A	**572.0310**	6

Blank side with drilling point marks.
When joined with consumer unit (product 572.0120) [10W].
Not suitable for items 400.2416, 405.2416 and 32A fuse version.
IP67 when assembled together with the relevant component.



Description	Dimensions	IP	Flange	Notes	Code	
BOX	136x125x98mm	IP67	136X125MM	32A FUSE	**572.0309**	6

Blank side with drilling point marks.
IP67 when assembled together with the relevant component.



Description	Dimensions	IP	Flange	Notes	Code	
BOX	136x275x89mm	IP67	136X275MM	63A	**572.0308**	6

Blank side with drilling point marks.
IP67 when assembled together with the relevant component.



Description	Dimensions	IP	Flange	Notes	Code	
ENCLOSURE FOR SWITCH	136x125x85mm	IP67		OMNIA	**572.3390**	6

Blank side with drilling point marks.
IP67 when assembled together with the relevant component.
For fitting with Y1 switch size panel mounting version (R) and relevant front operators handless (IP65).

SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System

COMPONENTS FOR SURFACE MOUNTING INSTALLATION - EQUIPMENT ENCLOSURE MBOX



Description	Dimensions	IP	Flange	Notes	Code	
BOX FOR WIRING ACCESSORIES	136x275mm	IP67	136X275MM	2x16A/32A[OMNIA]	**572.0322**	1/10

Blank side with drilling point marks.
IP67 when assembled together with the relevant component.
Hole Ø 40.5 mm on the upper side.
They can be fitted into the MBOX5 enclosures.
For cable output, use tear-resistant cable glands fam. 805.



Description	Dimensions	IP	Flange	Notes	Code	
BOX FOR WIRING ACCESSORIES	136x275mm	IP67	136X275MM		**572.0320**	1/6

Blank side with drilling point marks.
Hole Ø 40.5 mm on the upper side.
They can be fitted into the MBOX5 enclosures.
For cable output, use tear-resistant cable glands fam. 805.

COMPONENTS FOR SURFACE MOUNTING INSTALLATION



Description	Dimensions	N° modules	IP	Code	
MODULAR BASE	136x345x146mm	6 MOD.	IP66	**572.0317**	

Blank side with drilling point marks.
IP66 when coupled with the relevant component.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Is it not possible to install two overlapping OMNIAPLUS sockets.



Description	Dimensions	N° modules	IP	Code	
MODULAR BASE	136x472x146mm	6 MOD.	IP66	**572.0311**	1

Blank side with drilling point marks.
IP66 when coupled with the relevant component.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Is it not possible to install two overlapping OMNIAPLUS sockets.



Description	Dimensions	N° modules	IP	Code	
MODULAR BASE	136x616x146mm	6 MOD.	IP66	**572.0313**	1

Blank side with drilling point marks.
IP66 when coupled with the relevant component.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Is it not possible to install two overlapping OMNIAPLUS sockets.



Description	Dimensions	N° modules	IP	Code	
MODULAR BASE	287x408x146mm	14 MOD.	IP66	**572.0315**	1

Blank side with drilling point marks.
IP66 when coupled with the relevant component.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Is it not possible to install two overlapping OMNIAPLUS sockets.

COMPONENTS FOR SURFACE MOUNTING INSTALLATION



Description	Dimensions	IP	Code	
MODULAR ENCLOSURE	136x345x146mm	IP66	**572.0318**	

Blank side with drilling point marks.
IP66 when coupled with the relevant component.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Is it not possible to install two overlapping OMNIAPLUS sockets.



Description	Dimensions	IP	Code	
MODULAR ENCLOSURE	136x472x146mm	IP66	**572.0312**	1

Blank side with drilling point marks.
IP66 when coupled with the relevant component.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Is it not possible to install two overlapping OMNIAPLUS sockets.



Description	Dimensions	IP	Code	
MODULAR ENCLOSURE	136x616x146mm	IP66	**572.0314**	1

Blank side with drilling point marks.
IP66 when coupled with the relevant component.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Is it not possible to install two overlapping OMNIAPLUS sockets.



Description	Dimensions	IP	Code	
MODULAR ENCLOSURE	287x408x146mm	IP66	**572.0316**	1

Blank side with drilling point marks.
IP66 when coupled with the relevant component.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Is it not possible to install two overlapping OMNIAPLUS sockets.

COMMON COMPONENTS >> CONSUMER UNIT ASSEMBLY



Description	Dimensions	IP	Flange	Notes	Code	
CONSUMER UNIT ASSEMBLY	136x125x25mm	IP55	136X125MM	6 DIN	**572.0120**	6

IP55 when assembled together with the relevant component.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
When joined with surface mounting box (product 572.0310) [10W].
Complete with locking knob, triangular locking key and stainless steel fixing screws.
Installation in the flush mounting box through the frame item 572.0220.
DIN modules and supports included.
The consumer unit can also be installed in the IP66 DOMINO Series surface mounting anclosures.

SWITCHED INTERLOCKED SOCKET OUTLETS

OMNIA System

ACCESSORIES FOR ENCLOSURES >> BLANK PLATES



Description	IP	Flange	Notes	Code	
BLANK COVER	IP66	136X125MM	OMNIA	**654.0120**	6/72

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.



Description	IP	Flange	Notes	Code	
BLANK COVER	IP66	136X275MM	OMNIA 63A	**654.0130**	5

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.



Description	IP	Flange	Notes	Code	
COVER WITH INSERT	IP55	136X125MM	B-TICINO MODULES	**654.0121**	6

Modules snap into place.
Manufactured with the autorization from Bticino spa company and is suitable to house "Living International", "Luna", "Light" and "Light Tech" modules which are registered trademarks owned by Bticino.



Description	IP	Flange	Notes	Code	
COVER WITH INSERT	IP55	136X125MM	EVOLUTION MODULES	**654.0122**	6

Modules snap into place.



Description	IP	Flange	Notes	Code	
FLANGE ADAPTER	IP66	136X125MM	16A [70x87]	**654.0125**	1/6/72

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.
With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.



Description	IP	Flange	Notes	Code	
FLANGE ADAPTER	IP66	136X125MM	32A [84x106]	**654.0126**	1/6/72

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.
With cut-outs to contain 32A (84x106mm) socket.



Description	IP	Flange	Notes	Code	
FLANGE ADAPTER	IP66	136X125MM	63A [100x110]	**654.0128**	

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.
With cut-outs to contain 63A (100X110mm)socket.

ACCESSORIES FOR ENCLOSURES >> BLANK PLATE FOR DIN MODULES



Description	Notes	Code	
BLANK PLATE FOR DIN MODULES	9x45mm	**654.0420**	25/400

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	Code	
BLANK PLATE FOR DIN MODULES	18x45mm	**654.0410**	25/250

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	Code	
BLANK PLATE FOR DIN MODULES	73x49mm	**654.0400**	25/250

When put between the modular devices these plates help to dissipate heat.

ACCESSORIES FOR ENCLOSURES >> CONTACT BLOCKS



Description	Colour	Switch size	Code	
NC CONTACT		16-32A	**590.PL004001** [2]	10/60
		63A	**590.PL004003** [2]	10
NO CONTACT		16-32A	**590.PL004002** [1]	10/60
		63A	**590.PL004004** [1]	10
CHANGE OVER CONTACT		16-32A	**590.PL004005**	10
		63A	**590.PL004006**	10

Snap catch.

[1] *NO=Normally open.*
[2] *NC=Normally closed.*



ADVANCE2 SYSTEM

ADVANCE2 SERIES
Industrial switched intelocked socket outlets **p. 217**



COMPONENTS
Modular fixing plates, enclosures and installation accessories **p. 228**



SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE2 System

ADVANCE2 Series

Module 106 (compact)
16A-32A

106x240mm



Module 136 (large)
16A-32A with DIN rail - 63A

136x390mm



OMNIA Series



OPTIMA Series



DOMOPLUS Series



ADVANCE2 System - Components

MODULAR PLATES



JUNCTION BOXES AND CONSUMER UNITS







		Box with flange 70x87mm	Single junction box	Double junction box	Single consumer unit	Double consumer unit
Module 106 (compact)	576.4300	Ⓥ 576.4303	Ⓥ 576.4301	Ⓥ 576.4304	Ⓥ 576.4302	Ⓥ 576.4305
Modula 136 (large)	576.4340	Ⓥ 576.4323	Ⓥ 576.4321	Ⓥ 576.4324	Ⓥ 576.4322	Ⓥ 576.4325

Combination examples





Compatibility

MBOX Series

MBOX5



658.0050-000
658.0051-000



ADVANCE2 Series

ADVANCE2 is a complete range of industrial interlocked sockets available from 16A up to 125A.

The industrial sockets of this series are ideal for applications in purely industrial environments, while presenting itself with a particularly refined aesthetic design that makes it attractive as well as functional.

Convenient sockets to be wired by removing the cover, since all electrical connections can be made on the base where the control components, disconnectors and switches are fixed.

All the sockets are equipped with high-performance disconnectors, ergonomic knobs with possiblity of locking by means of a padlock.

technical sheet **p. 750**

Technical information

Main characteristics
16A-32A-63A





01 Clear indication of open or closed position

02 Versions available with fuse-holder base or with DIN rail for the assembly of protection devices

03 AC23 switch

04 Padlockable in the ON and OFF position

05 Open threaded cable entry with cap and cable gland supplied

06 Captive stainless steel closing screws

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE2 System

STANDARD VERSION >> WITHOUT FUSE CARRIER IP44



IP: IP44
Flange: 106X240MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**560.16832**[1]	1/12	**560.32832**[1]	1/12
	3	DC	>50-250		**560.16834**[2]	1/12	**560.32834**[2]	1/12
	4	50 60	100-130		**560.1670**	1/12	**560.3270**	1/12
	6	50 60	200-250		**560.1683**	1/12	**560.3283**	1/12
	7	50 60	480-500		**560.16836**	1/12	**560.32836**	1/12
	8	DC	>250		**560.16838**[2]	1/12	**560.32838**[2]	1/12
	9	50 60	380-415		**560.1678**	1/12	**560.3278**	1/12
	12	50 60	TST>50		**560.16833**	1/12	**560.32833**	1/12
3P+E	2	>300-500	>50		**560.16862**[1]	1/12	**560.32862**[1]	1/12
	3	50 60	380 50Hz / 440 60Hz		**560.16864**	1/12	**560.32864**	1/12
	4	50 60	100-130		**560.1672**	1/12	**560.3272**	1/12
	5	50 60	600-690		**560.16867**[3]	1/12	**560.32867**[3]	1/12
	6	50 60	380-415		**560.1686**	1/12	**560.3286**	1/12
	7	50 60	480-500		**560.16866**	1/12	**560.32866**	1/12
	9	50 60	200-250		**560.1674**	1/12	**560.3274**	1/12
	10	100-300	>50		**560.16861**[1]	1/12	**560.32861**[1]	1/12
	11	60	440-460		**560.16865**	1/12	**560.32865**	1/12
3P+N+E	2	>300-500	>50		**560.16872**[1]	1/12	**560.32872**[1]	1/12
	3	50 60	380 50Hz / 440 60Hz		**560.16874**	1/12	**560.32874**	1/12
	4	50 60	100-130		**560.1679**	1/12	**560.3279**	1/12
	5	50 60	600-690		**560.16877**[3]	1/12	**560.32877**[3]	1/12
	6	50 60	346-415		**560.1687**	1/12	**560.3287**	1/12
	7	50 60	480-500		**560.16876**	1/12	**560.32876**	1/12
	9	50 60	208-250		**560.1675**	1/12	**560.3275**	1/12
	11	60	440-460		**560.16875**	1/12	**560.32875**	1/12

Open threaded cable entry.
Threaded cap/cable sleeve included.
Cable gland included.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

STANDARD VERSION >> WITHOUT FUSE CARRIER IP66/IP67



IP: IP66/IP67
Flange: 106X240MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		561.16832[1) 2) 4)]	1/12	561.32832[1) 2) 4)]	1/12
	3	DC	>50-250		561.16834[1) 2) 5)]	1/12	561.32834[1) 2) 5)]	1/12
	4	50 60	100-130		561.1670[1) 2)]	1/12	561.3270[1) 2)]	1/12
	6	50 60	200-250		561.1683[1) 2)]	1/12	561.3283[1) 2)]	1/12
	7	50 60	480-500		561.16836[1) 2)]	1/12	561.32836[1) 2)]	1/12
	8	DC	>250		561.16838[1) 2) 5)]	1/12	561.32838[1) 2) 5)]	1/12
	9	50 60	380-415		561.1678[1) 2)]	1/12	561.3278[1) 2)]	1/12
	12	50 60	TST>50		561.16833[1) 2)]	1/12	561.32833[1) 2)]	1/12
3P+E	2	>300-500	>50		561.16862[1) 2) 4)]	1/12	561.32862[1) 2) 4)]	1/12
	3	50 60	380 50Hz / 440 60Hz		561.16864[1) 2)]	1/12	561.32864[1) 2)]	1/12
	4	50 60	100-130		561.1672[1) 2)]	1/12	561.3272[1) 2)]	1/12
	5	50 60	600-690		561.16867[1) 2) 6)]	1/12	561.32867[1) 2) 6)]	1/12
	6	50 60	380-415		561.1686[1) 2)]	1/12	561.3286[1) 2)]	1/12
	7	50 60	480-500		561.16866[1) 2)]	1/12	561.32866[1) 2)]	1/12
	9	50 60	200-250		561.1674[1) 2)]	1/12	561.3274[1) 2)]	1/12
	10	100-300	>50		561.16861[1) 2) 4)]	1/12	561.32861[1) 2) 4)]	1/12
	11	60	440-460		561.16865[1) 2)]	1/12	561.32865[1) 2)]	1/12
3P+N+E	2	>300-500	>50		561.16872[1) 2) 4)]	1/12	561.32872[1) 2) 4)]	1/12
	3	50 60	380 50Hz / 440 60Hz		561.16874[1) 2)]	1/12	561.32874[1) 2)]	1/12
	4	50 60	100-130		561.1679[1) 2)]	1/12	561.3279[1) 2)]	1/12
	5	50 60	600-690		561.16877[1) 2) 6)]	1/12	561.32877[1) 2) 6)]	1/12
	6	50 60	346-415		561.1687[1) 2)]	1/12	561.3287[1) 2)]	1/12
	7	50 60	480-500		561.16876[1) 2)]	1/12	561.32876[1) 2)]	1/12
	9	50 60	208-250		561.1675[1) 2)]	1/12	561.3275[1) 2)]	1/12
	11	60	440-460		561.16875[1) 2)]	1/12	561.32875[1) 2)]	1/12



IP: IP66/IP67
Flange: 136X390MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	3	DC	>50-250		561.63834[3) 5) 7)]	1/4
	4	50 60	100-130		561.6370[3) 7)]	1/4
	6	50 60	200-250		561.6383[3) 7)]	1/4
	7	50 60	480-500		561.63836[3) 7)]	1/4
	9	50 60	380-415		561.6378[3) 7)]	1/4
	12	50 60	TST>50		561.63833[3) 7)]	1/4
3P+E	4	50 60	100-130		561.6372[3) 7)]	1/4
	5	50 60	600-690		561.63867[3) 6) 7)]	1/4
	6	50 60	380-415		561.6386[3) 7)]	1/4
	7	50 60	480-500		561.63866[3) 7)]	1/4
	9	50 60	200-250		561.6374[3) 7)]	1/4
	11	60	440-460		561.63865[3) 7)]	1/4
3P+N+E	4	50 60	100-130		561.6379[3) 7)]	1/4
	5	50 60	600-690		561.63877[3) 6) 7)]	1/4
	6	50 60	346-415		561.6387[3) 7)]	1/4
	7	50 60	480-500		561.63876[3) 7)]	1/4
	9	50 60	208-250		561.6375[3) 7)]	1/4
	11	60	440-460		561.63875[3) 7)]	1/4

Cable gland included.

[1)] *Open threaded cable entry.*
[2)] *Threaded cap/cable sleeve included.*
[3)] *Blank side with drilling point marks.*
[4)] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*
[5)] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*
[6)] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*
[7)] *[LARGE] Possibility to enter from the bottom (smooth walls with drilling point mark).*

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE2 System

STANDARD VERSION - FUSE >> WITH FUSE CARRIER IP44



IP: IP44
Flange: 106X240MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**562.16832** 1)	1/12	**562.32832** 1)	1/12
	3	DC	>50-250		**562.16834** 2)	1/12	**562.32834** 2)	1/12
	4	50 60	100-130		**562.1670**	1/12	**562.3270**	1/12
	6	50 60	200-250		**562.1683**	1/12	**562.3283**	1/12
	7	50 60	480-500		**562.16836**	1/12	**562.32836**	1/12
	8	DC	>250		**562.16838** 2)	1/12	**562.32838** 2)	1/12
	9	50 60	380-415		**562.1678**	1/12	**562.3278**	1/12
	12	50 60	TST>50		**562.16833**	1/12	**562.32833**	1/12
3P+E	2	>300-500	>50		**562.16862** 1)	1/12	**562.32862** 1)	1/12
	3	50 60	380 50Hz / 440 60Hz		**562.16864**	1/12	**562.32864**	1/12
	4	50 60	100-130		**562.1672**	1/12	**562.3272**	1/12
	5	50 60	600-690		**562.16867** 3)	1/12	**562.32867** 3)	1/12
	6	50 60	380-415		**562.1686**	1/12	**562.3286**	1/12
	7	50 60	480-500		**562.16866**	1/12	**562.32866**	1/12
	9	50 60	200-250		**562.1674**	1/12	**562.3274**	1/12
	10	100-300	>50		**562.16861** 1)	1/12	**562.32861** 1)	1/12
	11	60	440-460		**562.16865**	1/12	**562.32865**	1/12
3P+N+E	2	>300-500	>50		**562.16872** 1)	1/12	**562.32872** 1)	1/12
	3	50 60	380 50Hz / 440 60Hz		**562.16874**	1/12	**562.32874**	1/12
	4	50 60	100-130		**562.1679**	1/12	**562.3279**	1/12
	5	50 60	600-690		**562.16877** 3)	1/12	**562.32877** 3)	1/12
	6	50 60	346-415		**562.1687**	1/12	**562.3287**	1/12
	7	50 60	480-500		**562.16876**	1/12	**562.32876**	1/12
	9	50 60	208-250		**562.1675**	1/12	**562.3275**	1/12
	11	60	440-460		**562.16875**	1/12	**562.32875**	1/12

Open threaded cable entry.
Threaded cap/cable sleeve included.
Cable gland included.
Fuses not supplied.

1) *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*
2) *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*
3) *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

STANDARD VERSION - FUSE >> WITH FUSE CARRIER IP66/IP67



IP: IP66/IP67
Flange: 106X240MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		563.16832 [1) 2) 4)]	1/12	563.32832 [1) 2) 4)]	1/12
	3	DC	>50-250		563.16834 [1) 2) 5)]	1/12	563.32834 [1) 2) 5)]	1/12
	4	50 60	100-130		563.1670 [1) 2)]	1/12	563.3270 [1) 2)]	1/12
	6	50 60	200-250		563.1683 [1) 2)]	1/12	563.3283 [1) 2)]	1/12
	7	50 60	480-500		563.16836 [1) 2)]	1/12	563.32836 [1) 2)]	1/12
	8	DC	>250		563.16838 [1) 2) 5)]	1/12	563.32838 [1) 2) 5)]	1/12
	9	50 60	380-415		563.1678 [1) 2)]	1/12	563.3278 [1) 2)]	1/12
	12	50 60	TST>50		563.16833 [1) 2)]	1/12	563.32833 [1) 2)]	1/12
3P+E	2	>300-500	>50		563.16862 [1) 2) 4)]	1/12	563.32862 [1) 2) 4)]	1/12
	3	50 60	380 50Hz / 440 60Hz		563.16864 [1) 2)]	1/12	563.32864 [1) 2)]	1/12
	4	50 60	100-130		563.1672 [1) 2)]	1/12	563.3272 [1) 2)]	1/12
	5	50 60	600-690		563.16867 [1) 2) 6)]	1/12	563.32867 [1) 2) 6)]	1/12
	6	50 60	380-415		563.1686 [1) 2)]	1/12	563.3286 [1) 2)]	1/12
	7	50 60	480-500		563.16866 [1) 2)]	1/12	563.32866 [1) 2)]	1/12
	9	50 60	200-250		563.1674 [1) 2)]	1/12	563.3274 [1) 2)]	1/12
	10	100-300	>50		563.16861 [1) 2) 4)]	1/12	563.32861 [1) 2) 4)]	1/12
	11	60	440-460		563.16865 [1) 2)]	1/12	563.32865 [1) 2)]	1/12
3P+N+E	2	>300-500	>50		563.16872 [1) 2) 4)]	1/12	563.32872 [1) 2) 4)]	1/12
	3	50 60	380 50Hz / 440 60Hz		563.16874 [1) 2)]	1/12	563.32874 [1) 2)]	1/12
	4	50 60	100-130		563.1679 [1) 2)]	1/12	563.3279 [1) 2)]	1/12
	5	50 60	600-690		563.16877 [1) 2) 6)]	1/12	563.32877 [1) 2) 6)]	1/12
	6	50 60	346-415		563.1687 [1) 2)]	1/12	563.3287 [1) 2)]	1/12
	7	50 60	480-500		563.16876 [1) 2)]	1/12	563.32876 [1) 2)]	1/12
	9	50 60	208-250		563.1675 [1) 2)]	1/12	563.3275 [1) 2)]	1/12
	11	60	440-460		563.16875 [1) 2)]	1/12	563.32875 [1) 2)]	1/12



IP: IP66/IP67
Flange: 136X390MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	3	DC	>50-250		563.63834 [3) 5) 7)]	1/4
	4	50 60	100-130		563.6370 [3) 7)]	1/4
	6	50 60	200-250		563.6383 [3) 7)]	1/4
	9	50 60	380-415		563.6378 [3) 7) 8)]	1/4
	12	50 60	TST>50		563.63833 [3) 7)]	1/4
3P+E	4	50 60	100-130		563.6372 [3) 7)]	1/4
	6	50 60	380-415		563.6386 [3) 7) 8)]	1/4
	9	50 60	200-250		563.6374 [3) 7)]	1/4
3P+N+E	4	50 60	100-130		563.6379 [3) 7)]	1/4
	6	50 60	346-415		563.6387 [3) 7) 8)]	1/4
	9	50 60	208-250		563.6375 [3) 7)]	1/4

Cable gland included.
Fuses not supplied.

[1)] *Open threaded cable entry.*
[2)] *Threaded cap/cable sleeve included.*
[3)] *Blank side with drilling point marks.*
[4)] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*
[5)] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*
[6)] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*
[7)] *[LARGE] Possibility to enter from the bottom (smooth walls with drilling point mark).*
[8)] *400V only.*

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE2 System

STANDARD VERSION - DIN >> WITH DIN RAIL (6 MODULES) IP44



IP: IP44
Flange: 136X390MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**567.16832** [1]	1/4	**567.32832** [1]	1/4
	3	DC	>50-250		**567.16834** [2]	1/4	**567.32834** [2]	1/4
	4	50 60	100-130		**567.1670**	1/4	**567.3270**	1/4
	6	50 60	200-250		**567.1683**	1/4	**567.3283**	1/4
	7	50 60	480-500		**567.16836**	1/4	**567.32836**	1/4
	8	DC	>250		**567.16838** [2]	1/4	**567.32838** [2]	1/4
	9	50 60	380-415		**567.1678**	1/4	**567.3278**	1/4
	12	50 60	TST>50		**567.16833**	1/4	**567.32833**	1/4
3P+E	2	>300-500	>50		**567.16862** [1]	1/4	**567.32862** [1]	1/4
	3	50 60	380 50Hz / 440 60Hz		**567.16864**	1/4	**567.32864**	1/4
	4	50 60	100-130		**567.1672**	1/4	**567.3272**	1/4
	5	50 60	600-690		**567.16867** [3]	1/4	**567.32867** [3]	1/4
	6	50 60	380-415		**567.1686**	1/4	**567.3286**	1/4
	7	50 60	480-500		**567.16866**	1/4	**567.32866**	1/4
	9	50 60	200-250		**567.1674**	1/4	**567.3274**	1/4
	10	100-300	>50		**567.16861** [1]	1/4	**567.32861** [1]	1/4
	11	60	440-460		**567.16865**	1/4	**567.32865**	1/4
3P+N+E	2	>300-500	>50		**567.16872** [1]	1/4	**567.32872** [1]	1/4
	3	50 60	380 50Hz / 440 60Hz		**567.16874**	1/4	**567.32874**	1/4
	4	50 60	100-130		**567.1679**	1/4	**567.3279**	1/4
	5	50 60	600-690		**567.16877** [3]	1/4	**567.32877** [3]	1/4
	6	50 60	346-415		**567.1687**	1/4	**567.3287**	1/4
	7	50 60	480-500		**567.16876**	1/4	**567.32876**	1/4
	9	50 60	208-250		**567.1675**	1/4	**567.3275**	1/4
	11	60	440-460		**567.16875**	1/4	**567.32875**	1/4

Blank side with drilling point marks.
Cable gland included.
[LARGE] Possibility to enter from the bottom (smooth walls with drilling point mark).

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*

[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

STANDARD VERSION - DIN >> WITH DIN RAIL (6 MODULES) IP66/IP67



IP: IP66/IP67
Flange: 136X390MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**568.16832**[1]	1/4	**568.32832**[1]	1/4
	3	DC	>50-250		**568.16834**[2]	1/4	**568.32834**[2]	1/4
	4	50 60	100-130		**568.1670**	1/4	**568.3270**	1/4
	6	50 60	200-250		**568.1683**	1/4	**568.3283**	1/4
	7	50 60	480-500		**568.16836**	1/4	**568.32836**	1/4
	8	DC	>250		**568.16838**[2]	1/4	**568.32838**[2]	1/4
	9	50 60	380-415		**568.1678**	1/4	**568.3278**	1/4
	12	50 60	TST>50		**568.16833**	1/4	**568.32833**	1/4
3P+E	2	>300-500	>50		**568.16862**[1]	1/4	**568.32862**[1]	1/4
	3	50 60	380 50Hz / 440 60Hz		**568.16864**	1/4	**568.32864**	1/4
	4	50 60	100-130		**568.1672**	1/4	**568.3272**	1/4
	5	50 60	600-690		**568.16867**[3]	1/4	**568.32867**[3]	1/4
	6	50 60	380-415		**568.1686**	1/4	**568.3286**	1/4
	7	50 60	480-500		**568.16866**	1/4	**568.32866**	1/4
	9	50 60	200-250		**568.1674**	1/4	**568.3274**	1/4
	10	100-300	>50		**568.16861**[1]	1/4	**568.32861**[1]	1/4
	11	60	440-460		**568.16865**	1/4	**568.32865**	1/4
3P+N+E	2	>300-500	>50		**568.16872**[1]	1/4	**568.32872**[1]	1/4
	3	50 60	380 50Hz / 440 60Hz		**568.16874**	1/4	**568.32874**	1/4
	4	50 60	100-130		**568.1679**	1/4	**568.3279**	1/4
	5	50 60	600-690		**568.16877**[3]	1/4	**568.32877**[3]	1/4
	6	50 60	346-415		**568.1687**	1/4	**568.3287**	1/4
	7	50 60	480-500		**568.16876**	1/4	**568.32876**	1/4
	9	50 60	208-250		**568.1675**	1/4	**568.3275**	1/4
	11	60	440-460		**568.16875**	1/4	**568.32875**	1/4



IP: IP66/IP67
Flange: 136X390 MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	3	DC	>50-250		**568.63834**[2]	1/4
	4	50 60	100-130		**568.6370**	1/4
	6	50 60	200-250		**568.6383**	1/4
	9	50 60	380-415		**568.6378**[4]	1/4
	12	50 60	TST>50		**568.63833**	1/4
3P+E	4	50 60	100-130		**568.6372**	1/4
	5	50 60	600-690		**568.63867**[3]	1/4
	6	50 60	380-415		**568.6386**[4]	1/4
	7	50 60	480-500		**568.63866**	1/4
	9	50 60	200-250		**568.6374**	1/4
	11	60	440-460		**568.63865**	1/4
3P+N+E	4	50 60	100-130		**568.6379**	1/4
	5	50 60	600-690		**568.63877**[3]	1/4
	6	50 60	346-415		**568.6387**[4]	1/4
	7	50 60	480-500		**568.63876**	1/4
	9	50 60	208-250		**568.6375**	1/4
	11	60	440-460		**568.63875**	1/4

Blank side with drilling point marks.
Cable gland included.
[LARGE] Possibility to enter from the bottom (smooth walls with drilling point mark).

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*
[2] *When using DC we recommend that you make sure of implementing the protection scheme that is most suitable for the system involved; contact Scame Technical Service for further information.*
[3] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*
[4] *400V only.*

Technical information

Main characteristics
125A





01 Clear indication of open or closed position
02 Open threaded cable entry with cap and cable gland supplied
03 External fixing points
04 Wide internal space to facilitate cabling operations
05 AC23 switch pre-wired on the DIN rail side
06 Padlockable in the ON and OFF position
07 Recessed XXL handle to prevent breakage due to accidental impacts
08 Versions with DIN rail (8 DIN) for the assembly of protection devices
09 Blank side with drilling point marks
10 Captive stainless steel closing screws

125A VERSION >> BOX IP66/IP67/IP69



Poles	h	Hz	Volt	Colour	125A	
2P+E	6	50 60	200-250		**548.12583**	1
3P+E	6	50 60	380-415		**548.12586**	1
3P+N+E	6	50 60	346-415		**548.12587**	1

IP: IP66/IP67/IP69

125A VERSION >> DIN IP66/IP67/IP69



Poles	h	Hz	Volt	Colour	125A	
2P+E	6	50 60	200-250		**548.12583-D**	1
3P+E	6	50 60	380-415		**548.12586-D**	1
3P+N+E	6	50 60	346-415		**548.12587-D**	1

Consumer unit 8 DIN.

IP: IP66/IP67/IP69

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE2 System

RATED OPERATING VOLTAGE <50V >> VERSION WITH SAFETY TRANSFORMER



Poles	Volt	Colour	16A	
2P	24		565.2516	1/4

Cable gland included.
When plug is inserted a micro-switch is activated and closes the circuit.
SELV transformer 220/24V~ 150VA (continuous duty).
Blank side with drilling point marks.
Provided protections: primary circuit (2A), secondary circuit (6A), fuses included.
[LARGE] Possibility to enter from the bottom (smooth walls with drilling point mark).

IP: IP44
Flange: 136X390MM



Poles	Volt	Colour	16A	
2P	24		565.2516/S	1/4

Cable gland included.
When plug is inserted a micro-switch is activated and closes the circuit.
SELV transformer 220/24V~ 150VA (continuous duty).
Blank side with drilling point marks.
Provided protections: primary circuit (2A), secondary circuit (6A), fuses included.
[LARGE] Possibility to enter from the bottom (smooth walls with drilling point mark).

IP: IP66/IP67
Flange: 136X390MM



Poles	Volt	Colour	16A	
2P	24		565.2416	1/4

Cable gland included.
When plug is inserted a micro-switch is activated and closes the circuit.
SELV transformer 220/24V~ 150VA (continuous duty).
Blank side with drilling point marks.
Provided protections: primary circuit (2A), secondary circuit (6A), fuses included.

IP: IP44
Flange: 106x240MM



Poles	Volt	Colour	16A	
2P	24		565.2416/ S	1/4

Cable gland included.
When plug is inserted a micro-switch is activated and closes the circuit.
SELV transformer 220/24V~ 150VA (continuous duty).
Blank side with drilling point marks.
Provided protections: primary circuit (2A), secondary circuit (6A), fuses included.

IP: IP66/IP67
Flange: 106x240MM

RATED OPERATING VOLTAGE <50V >> VERSION WITH DIN RAIL (6 MODULES)



Poles	h	Volt	Colour	16A		32A	
2P		20-25		565.2420	1/10	565.2432	1/10
	12	40-50		565.2421	1/10	565.2433	1/10

Open threaded cable entry.
Threaded cap/cable sleeve included.
Cable gland included.
When plug is inserted a micro-switch is activated and closes the circuit.
Whitout safety transformer

IP: IP44
Flange: 106X240MM



Poles	h	Volt	Colour	16A		32A	
2P		20-25		565.2420/S	1/10	565.2432/S	1/10
	12	40-50		565.2421/S	1/10	565.2433/S	1/10

Open threaded cable entry.
Threaded cap/cable sleeve included.
Cable gland included.
When plug is inserted a micro-switch is activated and closes the circuit.
Whitout safety transformer

IP: IP66/IP67
Flange: 106X240MM

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE2 System



Components

The availability of bases, enclosures and dedicated consumer units allows the realization of modular and flexible combinations.

technical sheet **p. 756**

STANDARD VERSION >> COMPACT MODULE 106



Description	Dimensions	IP	Flange	Power	Code	
CONSUMER UNIT	106x150x110mm	IP66	106X150MM	8W	**576.4302**	6

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.



Description	Dimensions	IP	Flange	Power	Code	
CONSUMER UNIT	212x150x110mm	IP66	206X150MM	14W	**576.4305**	6

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.



Description	Dimensions	IP	Flange	Notes	Code	
JUNCTION BOX 106	106x150x105mm	IP66	106X150MM	16/32A	**576.4303**	12

Blank side with drilling point marks.



Description	Dimensions	IP	Flange	Notes	Code	
JUNCTION BOX 106	106x150x105mm	IP66	106X150MM		**576.4301**	12

Blank side with drilling point marks.



Description	Dimensions	IP	Flange	Notes	Code	
JUNCTION BOX 106	212x150x105mm	IP66	206X150MM		**576.4304**	6

Blank side with drilling point marks.



Description	Dimensions	IP	Flange	Notes	Code	
MODULAR BASE 106	106x434x18mm			16-32A	**576.4300**	12

STANDARD VERSION >> LARGE MODULE 136



Description	Dimensions	IP	Flange	Power	Code	
CONSUMER UNIT	136x150x110mm	IP66	136X150MM	9W	**576.4322**	6

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.



Description	Dimensions	IP	Flange	Power	Code	
CONSUMER UNIT	272x150x110mm	IP66	266X150MM	17W	**576.4325**	6

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE2 System



Description	Dimensions	IP	Flange	Notes	Code	
JUNCTION BOX 136	136x150x105mm	IP66	136X150MM	16/32A	**576.4323**	12

Blank side with drilling point marks.



Description	Dimensions	IP	Flange	Notes	Code	
JUNCTION BOX 136	136x150x105mm	IP66	136X150MM		**576.4321**	12

Blank side with drilling point marks.



Description	Dimensions	IP	Flange	Notes	Code	
JUNCTION BOX 136	272x150x105mm	IP66	266X150MM		**576.4324**	6

Blank side with drilling point marks.



Description	Dimensions	IP	Flange	Notes	Code	
MODULAR BASE 136	136x584x18mm			16-32-63A	**576.4340**	6



Description	Dimensions	IP	Flange	Notes	Code	
ENCLOSURE FOR SWITCH	136x150x105mm	IP66		ADVANCE2	**576.4390**	6

Blank side with drilling point marks.
For fitting with Y1 switch size panel mounting version (R) and relevant front operators handless (IP65).

KIT ACCESSORIES



Description	Code	
TRIANGULAR KEY	**654.0073**	1/10

CONTACT BLOCKS



Description	Colour	Switch size	Code	
NC CONTACT		16-32A	**590.PL004001** [2)]	10/60
		63A	**590.PL004003** [2)]	10
NO CONTACT		16-32A	**590.PL004002** [1)]	10/60
		63A	**590.PL004004** [1)]	10

Snap catch.

[1)] *NO=Normally open.*
[2)] *NC=Normally closed.*

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE-GRP System



ADVANCE-GRP SYSTEM

ADVANCE-GRP Series

p. 238

Industrial switched interlocked socket outlets in GRP thermosetting material



Applications: Shipyard Commercial Port Container Terminal Heavy Industry Food Industry Quarry Mine

ADVANCE-GRP[UL] Series

p. 250

Industrial switched interlocked socket outlets in GRP thermosetting material UL/CSA listed



Applications: Shipyard Commercial Port Container Terminal Shipyard Heavy Industry Food Industry Quarry Mine

COMPONENTS

p. 256

Modular enclosures in GRP thermosetting material and installation accesories



ADVANCE-GRP Series

16A-32A



63A



ADVANCE-GRP[UL] Series

20A-30A



60A



ADVANCE-GRP System - Components

SURFACE MOUNTING BOXES



SURFACE MOUNTING MODULAR BASES



Module	Single	Single with junction box	Double with junction box	Triple with junction box	Single with consumer unit	Double with consumer unit	Single with consumer unit and window	Double with consumer unit and window	Triple with consumer unit and window
16A-32A 20A-30A	**579.5100**	**579.5110**	**579.5120**	**579.5130**	**579.5111**	**579.5121**	**579.5112.D**	**579.5122.D**	**579.5132.D**
63A-60A	**579.5200**	**579.5210**			**579.5211**		**579.5212.D**		

Example on surface mounting box



METAL SUPPORTS FOR SURFACE MOUNTING MODULAR BASES



Compatibility with surface mounting modular bases	Galvanized steel	Stainless steel
2 x surface mounting box 16A-32A	**579.0070**	
3 x surface mounting box 16A-32A	**579.0080**	**579.0080X**
2 x double modular base with consumer unit/junction box 16A-32A	**579.0040**	
1 x double modular base with consumer unit/junction box 16A-32A + 1 x single modular base with consumer unit/junction box 63A	**579.0021**	**579.0021X**
1 x triple modular base with consumer unit/junction box 16A-32A + 1 x single modular base with consumer unit/junction box 63A	**579.0031**	
1 x double modular base with consumer unit/junction box 16A-32A + 2 x single modular base with consumer unit/junction box 63A	**579.0022**	

Compatibility

MEGA Series



Combination examples on surface mounting modular bases



Combination examples on surface mounting modular bases and metal supports



Coupling kit
M32



579.0040
(support)



579.0021
(support)



579.0031
(support)



579.0022
(support)

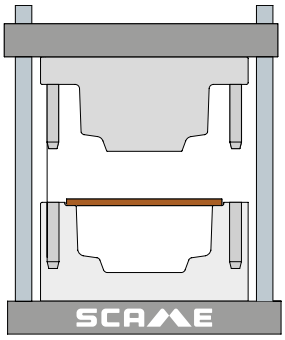
Special characteristics

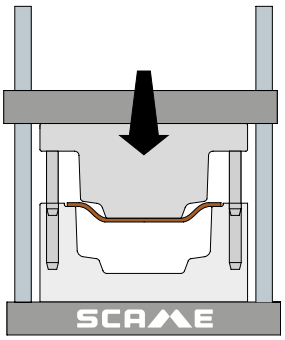
ADVANCE-GRP CHARACTERISTICS

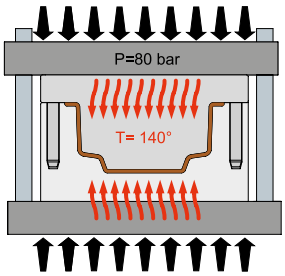
A unique feature which enhances the exceptional mechanical strength of ADVANCE-GRP products is the SMC (*Sheet Moulding Compound*) production process used for the casings. SMC is a technology which uses exclusively non-woven sheets, pre-impregnated with polyester resin.
This method consists in preparing the sheet material inside a mould which, equipped with a negative mould, presses the composite so as to allow compaction.

SMC is an advanced technology which enhances the quality of the raw material without reducing the high-strength characteristics during the transformation; it's a high-performing technology in terms of the mechanical performance of the resultant product (glass fibre length, homogeneity of the material, integrity of the fibres).
On the contrary, the BMC (*Bulk Moulding Compound*) technology is a technology for moulding composite materials which uses a raw material available in "blocks" (short, charged fibres) which are subjected to high thermomechanical stress during the transformation process, consequently diminishing the mechanical properties of the details, thereby reducing the impact strength and flexural strength.

The glass-fibre reinforced polyester used in ADVANCE-GRP guarantees excellent mechanical strength and a long lifetime: this material is highly resistant to contamination, completely corrosion resistant and suited for applications requiring the use of components with low smoke emission and no halogens, LSOH (*Low Smoke Zero Halogen*) components. The outstanding properties of the material are also guaranteed over time, thanks to the high RTI value (*Relative Temperature Index*), measured to be 20,000h.
Numerous verifications and tests have been carried out, even UV resistance tests, in order to guarantee the long duration of the material's initial performance. The thickness of the walls is sufficient to offer an excellent alternative to aluminium, stainless steel or cast iron.







Application examples


Building construction site


Heavy industry


Shipyards - Container terminal



OUTSTANDING HEAT AND FIRE RESISTANCE

The glass-fibre reinforced polyester used in ADVANCE-GRP guarantees excellent heat and fire resistance: it does not propagate flames, emit halogens or smoke.
This material has outstanding flame retardancy: Glow Wire 960°C according to EN 60695-2-1; V0 according to UL94. It's suited for applications requiring the use of components with low smoke emission and no halogens, LSOH (*Low Smoke Zero Halogen*).



OUTSTANDING IMPACT RESISTANCE

The glass-fibre reinforced polyester used in ADVANCE-GRP and the high thickness of the casing walls guarantee an excellent mechanical resistance to impacts.
The SMC technology used to produce the casings makes ADVANCE-GRP an indestructible product.
The impact resistance of the casings is higher than 20J (IK10) according to EN50102, even under limit temperature conditions (-40°C +60°C).



RESISTANCE TO CHEMICAL AGENTS

The ADVANCE-GRP interlocked sockets and casings, thanks to the glass-fibre reinforced polyester with which they are produced, have excellent resistance to aggressive chemical substances, saline solutions, diluted acids, hydrocarbons, mineral oils, alcoholic substances. They are ideal for use in highly corrosive atmospheres.



RESISTANCE TO ATMOSPHERIC AGENTS

The structure and materials used also make ADVANCE-GRP a product suited for the most extreme environmental conditions.
The triple degree of protection IP66, IP67 and IP69 (IP66 for 125A), guarantees an excellent seal against the entry of solid objects or liquids into the casings.
Outstanding resistance to UV rays, exceptional reliability under environmental stress and use at both low and high ambient temperatures (-40°C +60°C).



ADVANCE-GRP Series

ADVANCE-GRP is a complete range of industrial interlocked socket outlets from 16A up to 125A.

The industrial electrical sockets of this series, thanks to the body made of GRP (Glass fiber Reinforced Polyester) thermosetting material, guarantee maximum resistance to impacts (IK10 at temperatures between -40 and + 60 °C), to heat and fire (GW 960 °C), proving also to be insensitive to corrosion and atmospheric and chemical agents.

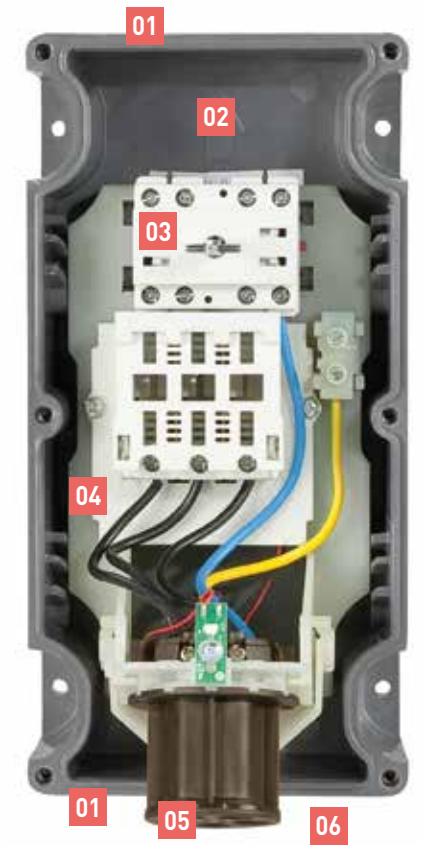
The possibility of choosing between versions with or without protection devices and a series of modular bases and enclosures, make ADVANCE-GRP the widest and most articulated series of interlocked socket outlet made of thermosetting material on the market.

technical sheet **p. 758**

Technical information

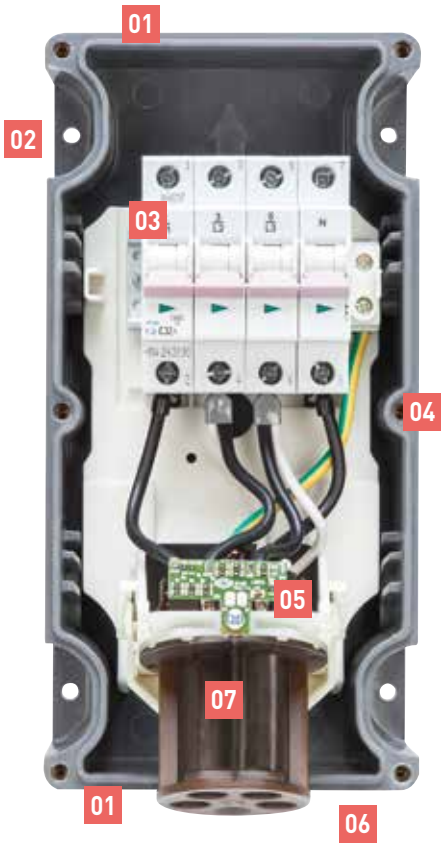
Main characteristics 16A-32A-63A

with fuses



- 01 Blank sides with drilling point marks
- 02 Wide space for easy and comfortable wiring
- 03 Switch-disconnector with mechanical lock that can be accessorized with auxiliary contacts
- 04 Easily extactable support
- 05 Module in high-temperature resistant engineering polymer
- 06 Bottom side entry possibility (also loop-in - loop-out)

with MCB



- 01 Blank sides with drilling point marks
- 02 External fixing points
- 03 Under plate cables runway
- 04 Threaded metal inserts
- 05 Indicator light
- 06 Bottom side entry possibility (also loop-in - loop-out)
- 07 Possibility of microswitch with plug-inserted control function





I-DEVICE

08

An electronic device controls (*Intelligence Device*) the status of the interlocked socket, monitoring the electrical functionality:
- operation of the signalling and control card is guaranteed even when the load is not connected;

INDICATOR LIGHT ON
- indicates that the fuses are not open and all the phases are present;
- indicates that the socket outlet is powered correctly;

INDICATOR LIGHT FLASHING
- indicates the interruption of one or more fuses;
- indicates the absence of a phase*;

INDICATOR LIGHT OFF
- indicates that the socket outlet is not powered.

** for single-phase products in the event of phase/neutral loss led signaling appears off.*



01 Unlosable single-piece waterproof gasket

02 Dual mechanical lock

03 High-strentgh material with superior UV and chemical resistance

04 Ergonomic knob padlockable in position 0 and I, manoeuvrable even with gloves

05 Fuse inspection door, temper-proof, padlockable, with assisted opening

06 Cover entirely separated from the box to ease installation

07 Captive stainless steel closing screws

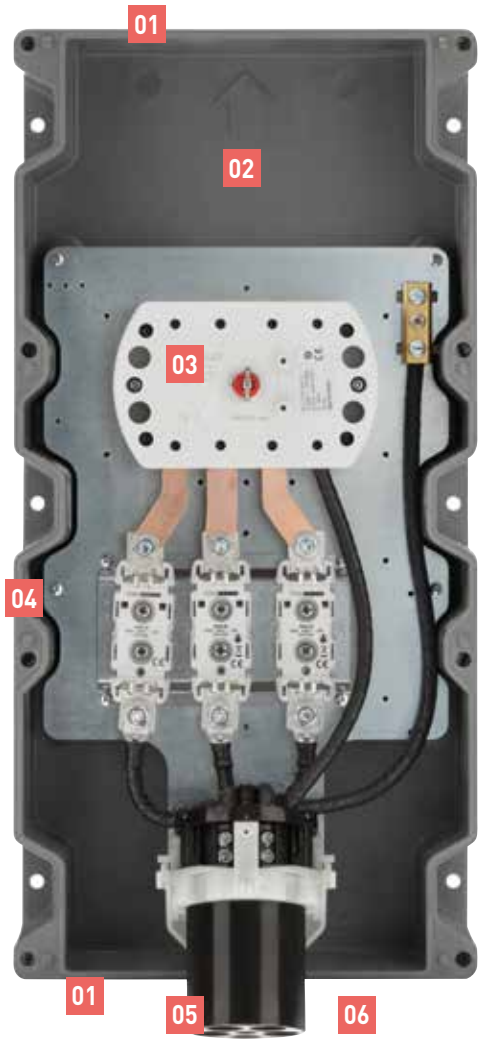
08 I-DEVICE

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE-GRP System

Main characteristics 125A

with fuses

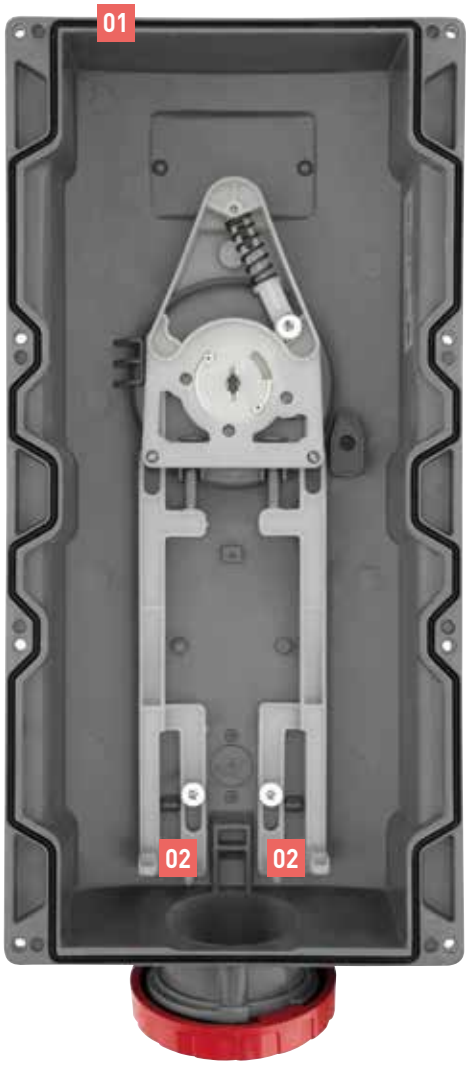


with MCCB+RCD



01 Blank sides with drilling point marks
02 Wide space for easy and comfortable wiring
03 Switch-disconnector with mechanical lock that can be accessorized with auxiliary contacts
04 Punched marks to ease closure of the cover
05 Module in high-temperature resistant engineering polymer
06 Bottom side entry possibility (also loop-in - loop-out)

01 Blank sides with drilling point marks
02 External fixing points
03 Under plate cables runway
04 Threaded metal insert
05 Easily extractable bottom plate
06 Bottom side entry possibility (also loop-in - loop-out)
07 Possibility of microswitch with plug-inserted control function





Thermal magnetic protection 125A:	Molded case circuit breaker ABB T-MAX XT 1B 160 (18kA) with thermal magnetic trip unit TMD (adjustable thermal threshold 0,7...1 x In fixed magnetic threshold 10 x In)
Thermal-magnetic and residual current protection 125A:	Molded case circuit breaker ABB T-MAX XT 1B 160 (18kA) with thermal magnetic trip unit TMD (adjustable thermal threshold 0,7...1 x In fixed magnetic threshold 10 x In) + residual current release trip units RC221/1 (adjustable residual current trip 0,03 - 0,1 - 3A and time limit for non-trip instantaneous)
Version with contactor 125A:	Contactor CL09 GE POWER CONTROL

01 Unlosable single-piece waterproof gasket
02 Dual mechanical interlock to increase safety
03 Rating on metal plate
04 Captive stainless steel closing screws
05 Ergonomic knob padlockable in position 0 and I, manoeuvrable even with gloves
06 Hig performance material with outstanding mechanical, UV rays and chemical resistance
07 Cover entirely separated from the box to ease installation

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE-GRP System

WITHOUT BASE IP66/IP67/IP69 >> WITHOUT FUSE CARRIER



IP: IP66/IP67/IP69
Flange: 130X260MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		402.16832 1)	1/6	402.32832 1)	1/6
	4	50 60	100-130		402.1670	1/6	402.3270	1/6
	6	50 60	200-250		402.1683	1/6	402.3283	1/6
	7	50 60	480-500		402.16836	1/6	402.32836	1/6
	9	50 60	380-415		402.1678	1/6	402.3278	1/6
	12	50 60	TST>50		402.16833	1/6	402.32833	1/6
3P+E	2	>300-500	>50		402.16862 1)	1/6	402.32862 1)	1/6
	3	50 60	380 50Hz / 440 60Hz		402.16864	1/6	402.32864	1/6
	4	50 60	100-130		402.1672	1/6	402.3272	1/6
	5	50 60	600-690		402.16867 2)	1/6	402.32867 2)	1/6
	6	50 60	380-415		402.1686	1/6	402.3286	1/6
	7	50 60	480-500		402.16866	1/6	402.32866	1/6
	9	50 60	200-250		402.1674	1/6	402.3274	1/6
	10	100-300	>50		402.16861 1)	1/6	402.32861 1)	1/6
	11	60	440-460		402.16865	1/6	402.32865	1/6
3P+N+E	2	>300-500	>50		402.16872 1)	1/6	402.32872 1)	1/6
	3	50 60	380 50Hz / 440 60Hz		402.16874	1/6	402.32874	1/6
	4	50 60	100-130		402.1679	1/6	402.3279	1/6
	5	50 60	600-690		402.16877 2)	1/6	402.32877 2)	1/6
	6	50 60	346-415		402.1687	1/6	402.3287	1/6
	7	50 60	480-500		402.16876	1/6	402.32876	1/6
	9	50 60	208-250		402.1675	1/6	402.3275	1/6
	11	60	440-460		402.16875	1/6	402.32875	1/6



IP: IP66/IP67/IP69
Flange: 170X380MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		402.63832 1)	1
	4	50 60	100-130		402.6370	1
	6	50 60	200-250		402.6383	1
	7	50 60	480-500		402.63836	1
	9	50 60	380-415		402.6378	1
	12	50 60	TST>50		402.63833	1
3P+E	2	>300-500	>50		402.63862 1)	1
	3	50 60	380 50Hz / 440 60Hz		402.63864	1
	4	50 60	100-130		402.6372	1
	5	50 60	600-690		402.63867 2)	1
	6	50 60	380-415		402.6386	1
	7	50 60	480-500		402.63866	1
	9	50 60	200-250		402.6374	1
	10	100-300	>50		402.63861 1)	1
	11	60	440-460		402.63865	1
3P+N+E	2	>300-500	>50		402.63872 1)	1
	3	50 60	380 50Hz / 440 60Hz		402.63874	1
	4	50 60	100-130		402.6379	1
	5	50 60	600-690		402.63877 2)	1
	6	50 60	346-415		402.6387	1
	7	50 60	480-500		402.63876	1
	9	50 60	208-250		402.6375	1
	11	60	440-460		402.63875	1

Supplied with stainless steel fixing screws.
Empty base: ADVANCE-GRP System (fam. 579).

1) *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

2) *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

WITHOUT BASE IP66/IP67/IP69 >> WITHOUT FUSE CARRIER - WITH "I-DEVICE"



IP: IP66/IP67/IP69
Flange: 130X260MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		**403.16832**[1]	1/6	**403.32832**[1]	1/6
	4	50 60	100-130		**403.1670**	1/6	**403.3270**	1/6
	6	50 60	200-250		**403.1683**	1/6	**403.3283**	1/6
	7	50 60	480-500		**403.16836**	1/6	**403.32836**	1/6
	9	50 60	380-415		**403.1678**	1/6	**403.3278**	1/6
	12	50 60	TST>50		**403.16833**	1/6	**403.32833**	1/6
3P+E	2	>300-500	>50		**403.16862**[1]	1/6	**403.32862**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**403.16864**	1/6	**403.32864**	1/6
	4	50 60	100-130		**403.1672**	1/6	**403.3272**	1/6
	5	50 60	600-690		**403.16867**[2]	1/6	**403.32867**[2]	1/6
	6	50 60	380-415		**403.1686**	1/6	**403.3286**	1/6
	7	50 60	480-500		**403.16866**	1/6	**403.32866**	1/6
	9	50 60	200-250		**403.1674**	1/6	**403.3274**	1/6
	10	100-300	>50		**403.16861**[1]	1/6	**403.32861**[1]	1/6
	11	60	440-460		**403.16865**	1/6	**403.32865**	1/6
3P+N+E	2	>300-500	>50		**403.16872**[1]	1/6	**403.32872**[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		**403.16874**	1/6	**403.32874**	1/6
	4	50 60	100-130		**403.1679**	1/6	**403.3279**	1/6
	5	50 60	600-690		**403.16877**[2]	1/6	**403.32877**[2]	1/6
	6	50 60	346-415		**403.1687**	1/6	**403.3287**	1/6
	7	50 60	480-500		**403.16876**	1/6	**403.32876**	1/6
	9	50 60	208-250		**403.1675**	1/6	**403.3275**	1/6
	11	60	440-460		**403.16875**	1/6	**403.32875**	1/6



IP: IP66/IP67/IP69
Flange: 170X380MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		**403.63832**[1]	1
	4	50 60	100-130		**403.6370**	1
	6	50 60	200-250		**403.6383**	1
	7	50 60	480-500		**403.63836**	1
	9	50 60	380-415		**403.6378**	1
	12	50 60	TST>50		**403.63833**	1
3P+E	2	>300-500	>50		**403.63862**[1]	1
	3	50 60	380 50Hz / 440 60Hz		**403.63864**	1
	4	50 60	100-130		**403.6372**	1
	5	50 60	600-690		**403.63867**[2]	1
	6	50 60	380-415		**403.6386**	1
	7	50 60	480-500		**403.63866**	1
	9	50 60	200-250		**403.6374**	1
	10	100-300	>50		**403.63861**[1]	1
	11	60	440-460		**403.63865**	1
3P+N+E	2	>300-500	>50		**403.63872**[1]	1
	3	50 60	380 50Hz / 440 60Hz		**403.63874**	1
	4	50 60	100-130		**403.6379**	1
	5	50 60	600-690		**403.63877**[2]	1
	6	50 60	346-415		**403.6387**	1
	7	50 60	480-500		**403.63876**	1
	9	50 60	208-250		**403.6375**	1
	11	60	440-460		**403.63875**	1

Supplied with stainless steel fixing screws.
Empty base: ADVANCE-GRP System (fam. 579).
[i-Device]: an electronic device controls ("Intelligence Device") the status of the interlocked socket, monitoring the electrical functionality.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*
[2] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE-GRP System

WITHOUT BASE IP66/IP67/IP69 >> WITH FUSE CARRIER



IP: IP66/IP67/IP69
Flange: 130X260MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		402.16832-F[1]	1/6	402.32832-F[1]	1/6
	4	50 60	100-130		402.1670-F	1/6	402.3270-F	1/6
	6	50 60	200-250		402.1683-F	1/6	402.3283-F	1/6
	7	50 60	480-500		402.16836-F	1/6	402.32836-F	1/6
	9	50 60	380-415		402.1678-F	1/6	402.3278-F	1/6
	12	50 60	TST>50		402.16833-F	1/6	402.32833-F	1/6
3P+E	2	>300-500	>50		402.16862-F[1]	1/6	402.32862-F[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		402.16864-F	1/6	402.32864-F	1/6
	4	50 60	100-130		402.1672-F	1/6	402.3272-F	1/6
	5	50 60	600-690		402.16867-F[2]	1/6	402.32867-F[2]	1/6
	6	50 60	380-415		402.1686-F	1/6	402.3286-F	1/6
	7	50 60	480-500		402.16866-F	1/6	402.32866-F	1/6
	9	50 60	200-250		402.1674-F	1/6	402.3274-F	1/6
	10	100-300	>50		402.16861-F[1]	1/6	402.32861-F[1]	1/6
	11	60	440-460		402.16865-F	1/6	402.32865-F	1/6
3P+N+E	2	>300-500	>50		402.16872-F[1]	1/6	402.32872-F[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		402.16874-F	1/6	402.32874-F	1/6
	4	50 60	100-130		402.1679-F	1/6	402.3279-F	1/6
	5	50 60	600-690		402.16877-F[2]	1/6	402.32877-F[2]	1/6
	6	50 60	346-415		402.1687-F	1/6	402.3287-F	1/6
	7	50 60	480-500		402.16876-F	1/6	402.32876-F	1/6
	9	50 60	208-250		402.1675-F	1/6	402.3275-F	1/6
	11	60	440-460		402.16875-F	1/6	402.32875-F	1/6



IP: IP66/IP67/IP69
Flange: 170X380MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		402.63832-F[1]	1
	3	DC	>50-250		402.63834-F	1
	4	50 60	100-130		402.6370-F	1
	6	50 60	200-250		402.6383-F	1
	7	50 60	480-500		402.63836-F	1
	9	50 60	380-415		402.6378-F	1
	12	50 60	TST>50		402.63833-F	1
3P+E	2	>300-500	>50		402.63862-F[1]	1
	3	50 60	380 50Hz / 440 60Hz		402.63864-F	1
	4	50 60	100-130		402.6372-F	1
	5	50 60	600-690		402.63867-F[2]	1
	6	50 60	380-415		402.6386-F	1
	7	50 60	480-500		402.63866-F	1
	9	50 60	200-250		402.6374-F	1
	10	100-300	>50		402.63861-F[1]	1
	11	60	440-460		402.63865-F	1
3P+N+E	2	>300-500	>50		402.63872-F[1]	1
	3	50 60	380 50Hz / 440 60Hz		402.63874-F	1
	4	50 60	100-130		402.6379-F	1
	5	50 60	600-690		402.63877-F[2]	1
	6	50 60	346-415		402.6387-F	1
	7	50 60	480-500		402.63876-F	1
	9	50 60	208-250		402.6375-F	1
	11	60	440-460		402.63875-F	1

Supplied with stainless steel fixing screws.
Fuses not supplied.
Empty base: ADVANCE-GRP System (fam. 579).

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*

[2] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

WITHOUT BASE IP66/IP67/IP69 >> WITH FUSE CARRIER - WITH "I-DEVICE"



IP: IP66/IP67/IP69
Flange: 130X260MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	2	>300-500	>50		403.16832-F[1]	1/6	403.32832-F[1]	1/6
	4	50 60	100-130		403.1670-F	1/6	403.3270-F	1/6
	6	50 60	200-250		403.1683-F	1/6	403.3283-F	1/6
	7	50 60	480-500		403.16836-F	1/6	403.32836-F	1/6
	9	50 60	380-415		403.1678-F	1/6	403.3278-F	1/6
	12	50 60	TST>50		403.16833-F	1/6	403.32833-F	1/6
3P+E	2	>300-500	>50		403.16862-F[1]	1/6	403.32862-F[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		403.16864-F	1/6	403.32864-F	1/6
	4	50 60	100-130		403.1672-F	1/6	403.3272-F	1/6
	5	50 60	600-690		403.16867-F[2]	1/6	403.32867-F[2]	1/6
	6	50 60	380-415		403.1686-F	1/6	403.3286-F	1/6
	7	50 60	480-500		403.16866-F	1/6	403.32866-F	1/6
	9	50 60	200-250		403.1674-F	1/6	403.3274-F	1/6
	10	100-300	>50		403.16861-F[1]	1/6	403.32861-F[1]	1/6
	11	60	440-460		403.16865-F	1/6	403.32865-F	1/6
3P+N+E	2	>300-500	>50		403.16872-F[1]	1/6	403.32872-F[1]	1/6
	3	50 60	380 50Hz / 440 60Hz		403.16874-F	1/6	403.32874-F	1/6
	4	50 60	100-130		403.1679-F	1/6	403.3279-F	1/6
	5	50 60	600-690		403.16877-F[2]	1/6	403.32877-F[2]	1/6
	6	50 60	346-415		403.1687-F	1/6	403.3287-F	1/6
	7	50 60	480-500		403.16876-F	1/6	403.32876-F	1/6
	9	50 60	208-250		403.1675-F	1/6	403.3275-F	1/6
	11	60	440-460		403.16875-F	1/6	403.32875-F	1/6



IP: IP66/IP67/IP69
Flange: 170X380MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	2	>300-500	>50		403.63832-F[1]	1
	4	50 60	100-130		403.6370-F	1
	6	50 60	200-250		403.6383-F	1
	7	50 60	480-500		403.63836-F	1
	9	50 60	380-415		403.6378-F	1
	12	50 60	TST>50		403.63833-F	1
3P+E	2	>300-500	>50		403.63862-F[1]	1
	3	50 60	380 50Hz / 440 60Hz		403.63864-F	1
	4	50 60	100-130		403.6372-F	1
	5	50 60	600-690		403.63867-F[2]	1
	6	50 60	380-415		403.6386-F	1
	7	50 60	480-500		403.63866-F	1
	9	50 60	200-250		403.6374-F	1
	10	100-300	>50		403.63861-F[1]	1
	11	60	440-460		403.63865-F	1
3P+N+E	2	>300-500	>50		403.63872-F[1]	1
	3	50 60	380 50Hz / 440 60Hz		403.63874-F	1
	4	50 60	100-130		403.6379-F	1
	5	50 60	600-690		403.63877-F[2]	1
	6	50 60	346-415		403.6387-F	1
	7	50 60	480-500		403.63876-F	1
	9	50 60	208-250		403.6375-F	1
	11	60	440-460		403.63875-F	1

Supplied with stainless steel fixing screws.
Fuses not supplied.
Empty base: ADVANCE-GRP System (fam. 579).
[i-Device]: an electronic device controls ("Intelligence Device") the status of the interlocked socket, monitoring the electrical functionality.

[1] *The maximum amount of current available, taking into account the maximum overheating temperature allowed by the relevant standards, must be downgraded with respect to the nominal current by 25% for products with frequencies ranging above 100 Hz; contact Scame Technical Service for further information.*
[2] *Pay special attention when selecting the appropriate fuse with respect to the tension of the installation.*

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE-GRP System

WITHOUT BASE IP66/IP67/IP69 >> WITH MCB



IP: IP66/IP67/IP69
Flange: 130X260MM

Poles	h	Hz	Volt	Colour	16A		32A	
2P+E	4	50 60	100-130		**403.1670-M**	1/6	**403.3270-M**	1/6
	6	50 60	200-250		**403.1683-M**	1/6	**403.3283-M**	1/6
	9	50 60	380-415		**403.1678-M**	1/6	**403.3278-M**	1/6
3P+E	3	50 60	380 50Hz / 440 60Hz		**403.16864-M**	1/6	**403.32864-M**	1/6
	4	50 60	100-130		**403.1672-M**	1/6	**403.3272-M**	1/6
	6	50 60	380-415		**403.1686-M**	1/6	**403.3286-M**	1/6
	9	50 60	200-250		**403.1674-M**	1/6	**403.3274-M**	1/6
	11	60	440-460		**403.16865-M**	1/6	**403.32865-M**	1/6
3P+N+E	3	50 60	380 50Hz / 440 60Hz		**403.16874-M**	1/6	**403.32874-M**	1/6
	4	50 60	100-130		**403.1679-M**	1/6	**403.3279-M**	1/6
	6	50 60	346-415		**403.1687-M**	1/6	**403.3287-M**	1/6
	9	50 60	208-250		**403.1675-M**	1/6	**403.3275-M**	1/6
	11	60	440-460		**403.16875-M**	1/6	**403.32875-M**	1/6

Supplied with stainless steel fixing screws.
Empty base: ADVANCE-GRP System (fam. 579).
MCB = Miniature circuit breaker with thermal magnetic trip unit.
With power indicating led.



IP: IP66/IP67/IP69
Flange: 170X380MM

Poles	h	Hz	Volt	Colour	63A	
2P+E	4	50 60	100-130		**403.6370-M**	1
	6	50 60	200-250		**403.6383-M**	1
	9	50 60	380-415		**403.6378-M**	1
3P+E	3	50 60	380 50Hz / 440 60Hz		**403.63864-M**	1
	4	50 60	100-130		**403.6372-M**	1
	6	50 60	380-415		**403.6386-M**	1
	9	50 60	200-250		**403.6374-M**	1
	11	60	440-460		**403.63865-M**	1
3P+N+E	3	50 60	380 50Hz / 440 60Hz		**403.63874-M**	1
	4	50 60	100-130		**403.6379-M**	1
	6	50 60	346-415		**403.6387-M**	1
	9	50 60	208-250		**403.6375-M**	1
	11	60	440-460		**403.63875-M**	1

Supplied with stainless steel fixing screws.
Empty base: ADVANCE-GRP System (fam. 579).
MCB = Miniature circuit breaker with thermal magnetic trip unit.
With power indicating led.

SURFACE MOUNTING IP66/IP67/IP69 (125A) >> WITH SWITCH-DISCONNECTOR



Poles	h	Hz	Volt	Colour	125A	
2P+E	6	50 60	200-250		**503.12583**	1
3P+E	6	50 60	380-415		**503.12586**	1
	9	50 60	200-250		**503.12574**	1
	11	60	440-460		**503.125865**	1
3P+N+E	3	50 60	380 50Hz / 440 60Hz		**503.125874**	1
	6	50 60	346-415		**503.12587**	1

Blank side with drilling point marks.

IP: IP66/IP67/IP69

SURFACE MOUNTING IP66/IP67/IP69 (125A) >> WITH SWITCH-DISCONNECTOR AND FUSE



Poles	h	Hz	Volt	Colour	125A	
2P+E	6	50 60	200-250		**503.12583-F**	1
3P+E	6	50 60	380-415		**503.12586-F**	1
	9	50 60	200-250		**503.12574-F**	1
3P+N+E	6	50 60	346-415		**503.12587-F**	1

Blank side with drilling point marks.
Fuses not supplied.

IP: IP66/IP67/IP69

SURFACE MOUNTING IP66/IP67/IP69 (125A) >> WITH FUSE AND SWITCH



Poles	h	Hz	Volt	Colour	125A	
2P+E	6	50 60	200-250		**503.12583-FS**	1
3P+E	6	50 60	380-415		**503.12586-FS**	1
3P+N+E	6	50 60	346-415		**503.12587-FS**	1

Blank side with drilling point marks.
Fuses not supplied.

IP: IP66/IP67/IP69

SURFACE MOUNTING IP66/IP67/IP69 (125A) >> WITH MCCB



Poles	h	Hz	Volt	Colour	125A	
2P+E	6	50 60	200-250		**503.12583-M**	1
3P+E	6	50 60	380-415		**503.12586-M**	1
3P+N+E	6	50 60	346-415		**503.12587-M**	1

Blank side with drilling point marks.
MCCB = Molded case circuit breaker with thermal magnetic trip unit.

IP: IP66/IP67/IP69

SWITCHED INTERLOCKED SOCKET OUTLETS
ADVANCE-GRP System

SURFACE MOUNTING IP66/IP67/IP69 (125A) >> WITH MCCB & RCD



Poles	h	Hz	Volt	Colour	125A	
2P+E	6	50 60	200-250		**503.12583-RM**	1
3P+E	6	50 60	380-415		**503.12586-RM**	1
	9	50 60	200-250		**503.12574-RM**	1
3P+N+E	6	50 60	346-415		**503.12587-RM**	1

Blank side with drilling point marks.
MCCB & RCD = Molded case circuit breaker with thermal magnetic and residual current release trip unit.

IP: IP66/IP67/IP69

SURFACE MOUNTING IP66/IP67/IP69 (125A) >> WITH CONTACTOR



Poles	h	Hz	Volt	Colour	125A	
2P+E	6	50 60	200-250		**503.12583-T**	1
3P+E	6	50 60	380-415		**503.12586-T**	1
3P+N+E	6	50 60	346-415		**503.12587-T**	1

Blank side with drilling point marks.

IP: IP66/IP67/IP69

EXTRA LOW VOLTAGE <50V - IP66/IP67/IP69 >> VERSION WITH SAFETY TRANSFORMER - PANEL MOUNTING



Poles	h	Volt	Colour	16A		32A	
2P		20-25		**403.2420**	1/4	**403.2620**	1/4
		24		**403.2416**[1)]	1/4		
	12	40-50		**403.2421**	1/4	**403.2621**	1/4

When plug is inserted a micro-switch is activated and closes the circuit.
Supplied with stainless steel fixing screws.
Empty base: ADVANCE-GRP System (fam. 579).
For the choice of bases, refer to the 16A-32A module.

[1)] *SELV transformer 220/24V~ 150VA (continuous duty).*

IP: IP66/IP67/IP69
Flange: 130X260MM



ADVANCE-GRP

Far from common places



ADVANCE-GRP[UL] Series

ADVANCE-GRP[UL] is a complete range of interlocked industrial socket outlets from 20A to 60A, UL /CSA listed for the North American market and countries where the UL standard is recognized. The body made of thermosetting material GRP (Glass fiber Reinforced Polyester) offers maximum resistance to impact (IK10 at temperatures between -40°C and +60°C), as well as to heat and fire (GW 960°C), proving to be insensitive to corrosion and to atmospheric and chemical agents. The ergonomic knob, padlocked in ON or OFF position, makes it possible to operate even when wearing work gloves, while the led light positioned on the front immediately communicates the status of the socket, whether powered or not.

technical sheet **p. 764**

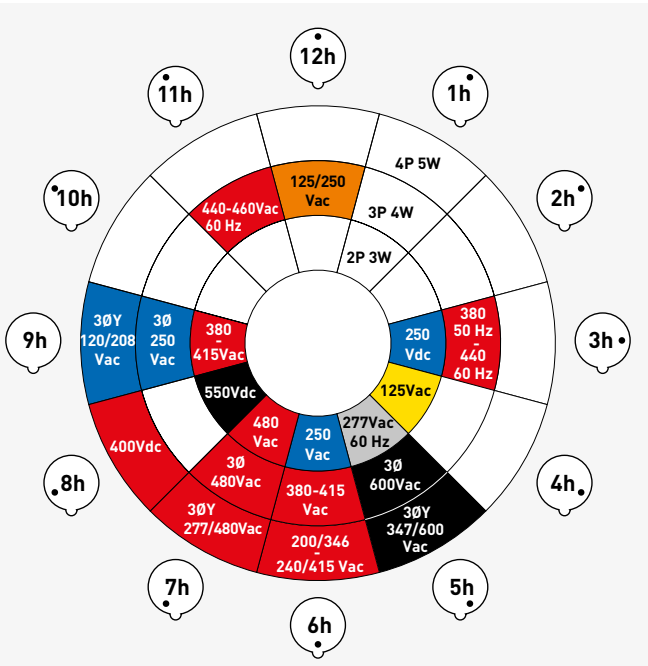
Industrial plugs and sockets for the north american market

COLOUR CODE

The operating voltages are identified by conventional colours as shown in the table:

Rated operating	Colour
110/130V	
208/250V	
380/480V	
500/690V	
277V	
125/250V	

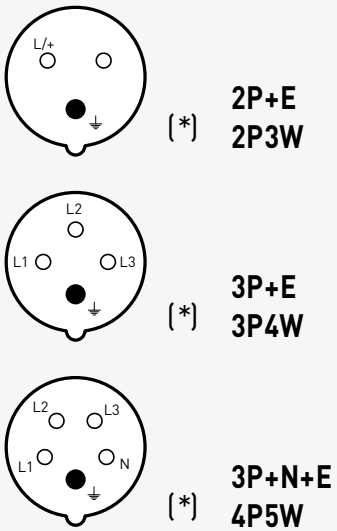
CLOCK FACE POSITION - UL RATINGS



Clock diagram

Viewing a UL Standard connector and receptacle from the front, clock our position (h) is established by the position of the earth contact restect the major keyway which is always situated at 6h clock position.

SOCKET AND RECEPTACLE (FRONT VIEW)



(*) Major keyway.

Synoptic table of standard industrial plugs and sockets to UL 1682/1686 e C22.2 N.182.1

RATED OPERATING VOLTAGE > 50 V (LV)

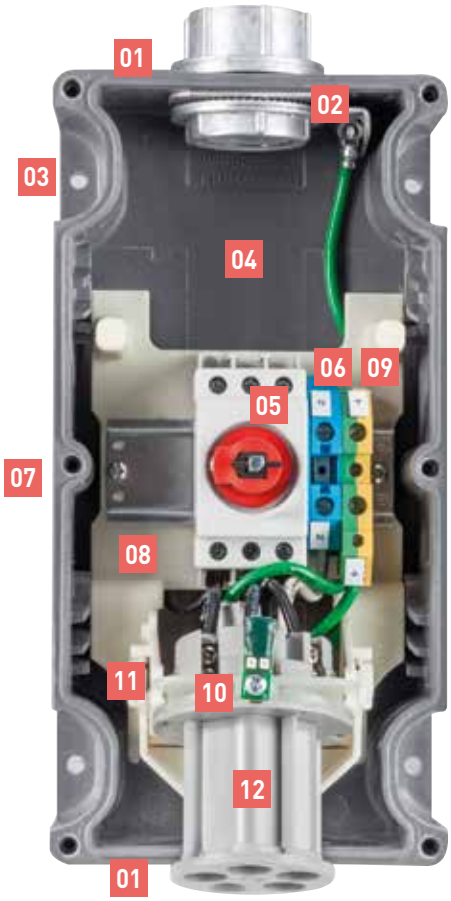
Number of contact	Poles	Frequency Hz	Rated operating voltage V	Clock face pos. (h) Earth contact[1]		Colour code
				16A - 32A	63A - 125A	
3 2P3W	1P+N+E	50 and 60	100÷130	4	4	
		60	277	5	5	
	2P+E	50 and 60	100÷130	4	4	
		50 and 60	200÷250	6	6	
		50 and 60	380÷415	9	9	
		50 and 60	480÷500	7	7	
		50 and 60	suppl. by isol. transf.	12	12	- [5]
		100÷300	> 50	10	10	[4]
		>300÷500	> 50	2	2	[4]
		d.c.	>50÷250	3	3	- [5]
		d.c.	> 250	8	8	- [5]
4 3P4W	2P+N+E	50 and 60	125/250	12	12	
	3P+E	50 and 60	100÷130	4	4	
		50 and 60	200÷250	9	9	
		50 and 60	380÷415	6	6	
		60	440÷460[3]	11	11	
		50 and 60	480÷500	7	7	
		50 and 60	600÷690	5	5	
		50 60	380 440[2]	3	3	
		50 and 60	1000	8	8	
		100÷300	> 50	10	-	[4]
		>300÷500	> 50	2	-	[4]
5 4P5W	3P+N+E	50 and 60	57/100÷75/130	4	4	
		50 and 60	120/208÷144/250	9	9	
		50 and 60	200/346÷240/415	6	6	
		50 and 60	277/480÷288/500	7	7	
		50 and 60	347/600÷400/690	5	5	
		60	250/440÷265/460[3]	11	11	
		50 60	220/380 250/440[3]	3	3	
		50 and 60	1000	8	8	
		50 and 60	suppl. by isol. transf.	12	12	
		100÷300	> 50	10	10	[4]
		>300÷500	> 50	2	2	[4]
All types		All types of voltage and/or frequency not within these standardised configurations		1	1	-

[1] *The positions shown by a dash (-) are not standardised.*
[2] *For ISO standard refrigerated containers.*
[3] *Mainly for shipboard installations.*
[4] *Combinations of green with the colour of the rated operating voltage can be used to identify frequencies >60÷500Hz.*
[5] *Plugs and sockets for which the IEC 60309-2 standard sets only the clock face position (h) of the earth contact and not the colour, are supplied by SCAME in RAL 7035 grey.*

SWITCHED INTERLOCKED SOCKET OUTLETS
ADVANCE-GRP System

Technical information

Main characteristics 20A-30A-60A



c UL us
LISTED
922D

01 Blank sides with drilling point marks
02 Pre-wired grounding plate connected to metal conduit grounding system
03 External fixing point
04 Wide internal space to ease wiring operations
05 Motor disconnect switch
06 Neutral terminal
07 Threaded metal insert
08 Easily removable support
09 Earth terminal
10 Power indicator led
11 Possibility of microswitch with plug-inserted control function
12 Prewired receptacle accepts all manufacturer's IEC60309-2 pin and sleeve plugs

Application examples



Wineries



Food industry



c UL us
LISTED
922D



01 Unlosable single-piece waterproof gasket
02 Dual mechanical interlock to increase safety
03 Lockable handle to meet OSHA lockout/tagout regulation
04 Power indicatore LED
- **LIGHT ON** - socket powered
- **LIGHT OFF** - socket not powered

05 Cover entirely separate from the box to ease installation
06 Captive stainless steel closing screws
07 Module in high-temperature resistant engineering polymer
08 Bottom side entry possibility (also loop-in - loop-out)



Port - Container terminal



Heavy industry

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE-GRP System

WITHOUT BASE IP66/67/69 - TYPE 12, 3R, 4, 4X - WATERTIGHT >> WITHOUT FUSE CARRIER



IP: IP66/IP67/IP69
Flange: 130X260MM

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320MI4W-NB	1/6	SCM330MI4W-NB	1/6
	6	250		SCM320MI6W-NB	1/6	SCM330MI6W-NB	1/6
	7	480		SCM320MI7W-NB	1/6	SCM330MI7W-NB	1/6
3P 4W	5	3Ø600		SCM420MI5W-NB	1/6	SCM430MI5W-NB	1/6
	7	3Ø480		SCM420MI7W-NB	1/6	SCM430MI7W-NB	1/6
	9	3Ø250		SCM420MI9W-NB	1/6	SCM430MI9W-NB	1/6
	12	125/250		SCM420MI12W-NB	1/6	SCM430MI12W-NB	1/6
4P 5W	5	3ØY347/600		SCM520MI5W-NB	1/6	SCM530MI5W-NB	1/6
	7	3ØY277/480		SCM520MI7W-NB	1/6	SCM530MI7W-NB	1/6
	9	3ØY120/208		SCM520MI9W-NB	1/6	SCM530MI9W-NB	1/6

UL listed.
Empty base: ADVANCE-GRP System (fam. 579).
With power indicating led.
To be matched with the respective bases.



IP: IP66/IP67/IP69
Flange: 170X380MM

Poles	h	Volt	Colour	60A	
2P 3W	6	250		SCM360MI6W-NB	1
	7	480		SCM360MI7W-NB	1
3P 4W	5	3Ø600		SCM460MI5W-NB	1
	7	3Ø480		SCM460MI7W-NB	1
	9	3Ø250		SCM460MI9W-NB	1
4P 5W	5	3ØY347/600		SCM560MI5W-NB	1
	7	3ØY277/480		SCM560MI7W-NB	1
	9	3ØY120/208		SCM560MI9W-NB	1

UL listed.
Empty base: ADVANCE-GRP System (fam. 579).
With power indicating led.
To be matched with the respective bases.

SURFACE MOUNTING IP66/67/69 - TYPE 12K, 3R, 4, 4X - WATERTIGHT >> WITHOUT FUSE CARRIER



IP: IP66/IP67/IP69
Flange: 130X260MM

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320MI4W	1/6	SCM330MI4W	1/6
	6	250		SCM320MI6W	1/6	SCM330MI6W	1/6
	7	480		SCM320MI7W	1/6	SCM330MI7W	1/6
3P 4W	5	3Ø600		SCM420MI5W	1/6	SCM430MI5W	1/6
	7	3Ø480		SCM420MI7W	1/6	SCM430MI7W	1/6
	9	3Ø250		SCM420MI9W	1/6	SCM430MI9W	1/6
	12	125/250		SCM420MI12W	1/6	SCM430MI12W	1/6
4P 5W	5	3ØY347/600		SCM520MI5W	1/6	SCM530MI5W	1/6
	7	3ØY277/480		SCM520MI7W	1/6	SCM530MI7W	1/6
	9	3ØY120/208		SCM520MI9W	1/6	SCM530MI9W	1/6

UL listed.
With power indicating led.
Already supplied with simple single bottom.



IP: IP66/IP67/IP69
Flange: 170X380MM

Poles	h	Volt	Colour	60A	
2P 3W	6	250		SCM360MI6W	1
	7	480		SCM360MI7W	1
3P 4W	5	3Ø600		SCM460MI5W	1
	7	3Ø480		SCM460MI7W	1
	9	3Ø250		SCM460MI9W	1
4P 5W	5	3ØY347/600		SCM560MI5W	1
	7	3ØY277/480		SCM560MI7W	1
	9	3ØY120/208		SCM560MI9W	1

UL listed.
With power indicating led.
Already supplied with simple single bottom.

SURFACE MOUNTING IP66/67/69 - TYPE 12K, 3R, 4, 4X - WATERTIGHT >> WITHOUT FUSE CARRIER - WITH CONSUMER UNITS 6 DIN



IP: IP66/IP67/IP69
Flange: 130X460MM

Poles	h	Volt	Colour	20A		30A	
2P 3W	4	125		SCM320MI4W-C	1/6	SCM330MI4W-C	1/6
	6	250		SCM320MI6W-C	1/6	SCM330MI6W-C	1/6
	7	480		SCM320MI7W-C	1/6	SCM330MI7W-C	1/6
3P 4W	5	3Ø600		SCM420MI5W-C	1/6	SCM430MI5W-C	1/6
	7	3Ø480		SCM420MI7W-C	1/6	SCM430MI7W-C	1/6
	9	3Ø250		SCM420MI9W-C	1/6	SCM430MI9W-C	1/6
	12	125/250		SCM420MI12W-C	1/6	SCM430MI12W-C	1/6
4P 5W	5	3ØY347/600		SCM520MI5W-C	1/6	SCM530MI5W-C	1/6
	7	3ØY277/480		SCM520MI7W-C	1/6	SCM530MI7W-C	1/6
	9	3ØY120/208		SCM520MI9W-C	1/6	SCM530MI9W-C	1/6

UL listed.
With power indicating led.
Already supplied with single bottom with control unit for installation of protective switches or other devices from DIN guide.



IP: IP66/IP67/IP69
Flange: 170X580MM

Poles	h	Volt	Colour	60A	
2P 3W	6	250		SCM360MI6W-C	1
	7	480		SCM360MI7W-C	1
3P 4W	5	3Ø600		SCM460MI5W-C	1
	7	3Ø480		SCM460MI7W-C	1
	9	3Ø250		SCM460MI9W-C	1
4P 5W	5	3ØY347/600		SCM560MI5W-C	1
	7	3ØY277/480		SCM560MI7W-C	1
	9	3ØY120/208		SCM560MI9W-C	1

UL listed.
With power indicating led.
Already supplied with single bottom with control unit for installation of protective switches or other devices from DIN guide.



Components

The availability of modular bases and enclosure, with or without junction box or switchboard, allows the realization of modular and flexible combinations units.

technical sheet **p. 766**

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 16A-32A



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	130x260mm	IP66/IP67/IP69	16A-32A	**579.5100**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 63A



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	170x380mm	IP66/IP67/IP69	63A	**579.5200**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 16A-32A WITH JUNCTION BOX



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	130x460mm	IP66/IP67/IP69	16A-32A	**579.5110**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 16A-32A WITH JUNCTION BOX (DOUBLE)



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	260x460mm	IP66/IP67/IP69	16A-32A	**579.5120**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 16A-32A WITH JUNCTION BOX (TRIPLE)



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	390x460mm	IP66/IP67/IP69	16A-32A	**579.5130**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 63A WITH JUNCTION BOX



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	170x580mm	IP66/IP67/IP69	63A	**579.5210**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 16A-32A WITH DIN RAIL



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	130x460mm	IP66/IP67/IP69	16A-32A - 6 DIN	**579.5111**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	130x460mm	IP66/IP67/IP69	16A-32A - 6 DIN	**579.5112.D**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.
Copercho piano.

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE-GRP System

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 16A-32A WITH DIN RAIL (DOUBLE)



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	260x460mm	IP66/IP67/IP69	16A-32A - 12 DIN	**579.5122.D**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.
Copercho piano.



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	260x460mm	IP66/IP67/IP69	16A-32A - 13 DIN	**579.5121**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 16A-32A WITH DIN RAIL (TRIPLE)



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	390x460mm	IP66/IP67/IP69	16A-32A - 18 DIN	**579.5132.D**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.
Copercho piano.

EMPTY BASES IP66/IP67/IP69 >> EMPTY BASE 63A WITH DIN RAIL



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	170x580mm	IP66/IP67/IP69	63A - 8 DIN	**579.5211**	1

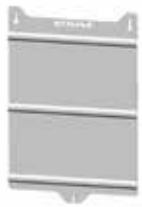
Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.



Description	Dimensions	IP	Notes	Code	
MODULAR BASE	170x580mm	IP66/IP67/IP69	63A - 8 DIN	**579.5212.D**	1

Blank side with drilling point marks.
Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
IP66/IP67/IP69 when coupled with the respective component.
Copercho piano.

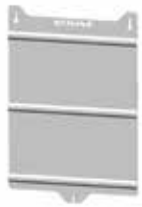
MODULAR PLATE - GALVANIZED STEEL



Description	Dimensions	Notes	Code	
MODULAR PLATE	260x395mm	2x16/32A	**579.0070**[1)]	1/10
	390x395mm	3x16/32A	**579.0080**[1)]	1
	430x685mm	2x16/32A + 1x63A	**579.0021**	1
	520x560mm	4x16/32A	**579.0040**	1
	560x685mm	3x16/32A + 1x63A	**579.0031**	1
	600x685mm	2x16/32A + 2x63A	**579.0022**	1

[1)] *Not suitable for modular bases with junction box or consumer unit.*

MODULAR PLATE - STAINLESS STEEL



Description	Dimensions	Notes	Code	
MODULAR PLATE	390x395mm	3x16/32A	**579.0080X**[1)]	1
	430x685mm	2x16/32A + 1x63A	**579.0021X**	1

[1)] *Not suitable for modular bases with junction box or consumer unit.*

SWITCHED INTERLOCKED SOCKET OUTLETS

ADVANCE-GRP System

ACCESSORIES >> KIT MICROSWITCH



Description	Code	
MICROSWITCH KIT	**579.0100**	12

For plug-inserted control; not suitable for electrically interlocked socket.
Max 1 kit for 16A-32A sockets; Max 2 kit for 63A sockets.



Description	Code	
MICROSWITCH KIT	**579.0125**	1

For plug-inserted control; not suitable for electrically interlocked socket.
Max. 2 kits.

ACCESSORIES >> JUNCTION BOX KIT



Description		Cable entry	Code	
JUNCTION BOX KIT	16A - 32A - 63A	M40X1,5	**579.0200**	12
	63A	M50X1,5	**579.0201**	8

IP66/IP67/IP69 when coupled with the respective component.
Includes cable gland and gasket.

ACCESSORIES >> COUPLING KIT



Description	Cable entry	Code	
ADAPTOR COUPLING KIT	M32X1,5	**579.0332**	1/12

IP66/IP67/IP69 when coupled with the respective component.
Includes cable gland and gasket.

CONTACT BLOCKS



Description	Colour	Switch size	Code	
NC CONTACT		16-32A	**590.PL004001** [2]	10/60
		63A	**590.PL004003** [2]	10
NO CONTACT		16-32A	**590.PL004002** [1]	10/60
		63A	**590.PL004004** [1]	10
NC/NO CONTACT		125A	**590.PL004008** [3]	10

Snap catch.

[1] *NO=Normally open.*
[2] *NC=Normally closed.*
[3] *Not suitable for 125A versions with circuit breaker.*

ACCESSORIES



Description	IP	Notes	Code	
BLANK PLATE FOR DIN MODULES			**579.0450**	10



Description	IP	Notes	Code	
BASE BLANK COVER	IP66/IP67/IP69	16A-32A	**579.5001**	1/10

Cover used to close the socket compartment; allows other devices to be installed.



Description	IP	Notes	Code	
SCREW KNOBS KIT			**579.0400**	1/12

For bases with control units instead of screws for closing door.









HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS





HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS

OPTIMA-METAL[HDAL] SERIES
p. 266

High currents industrial plugs and sockets with lever coupling



OPTIMA-METAL[HDAS] SERIES
p. 272

High currents industrial plugs and sockets with screw ring nut coupling



OPTIMA-METAL[HDSD] SERIES
p. 278

High currents industrial plugs and sockets with load disconnection functionality



ADVANCE-METAL[HDAL] SERIES
p. 280

High currents industrial switched interlocked sockets





OPTIMA-METAL[HDAL] Series

OPTIMA-METAL[HDAL] is a range of industrial plugs and sockets from 160A to 800A with tempered die-cast aluminum body and equipped with a lever system to facilitate insertion-extraction operations while the automatic socket cover guarantees IP67 protection even when the plug is not inserted.

The contact carriers in thermosetting material offer exceptional mechanical and thermal resistance, while the silver-plated and self-cleaning contacts guarantee multi-point connections and a low insertion force, resisting temperatures up to 200°C.

Two pilot contacts with electrical interlocking function ensure that the coupling and uncoupling operations do not take place under load, while the HDAL250 and HDAL500 Type sockets are equipped with shutters that guarantee IP2X degree of protection to prevent accidental or voluntary contact with live parts.

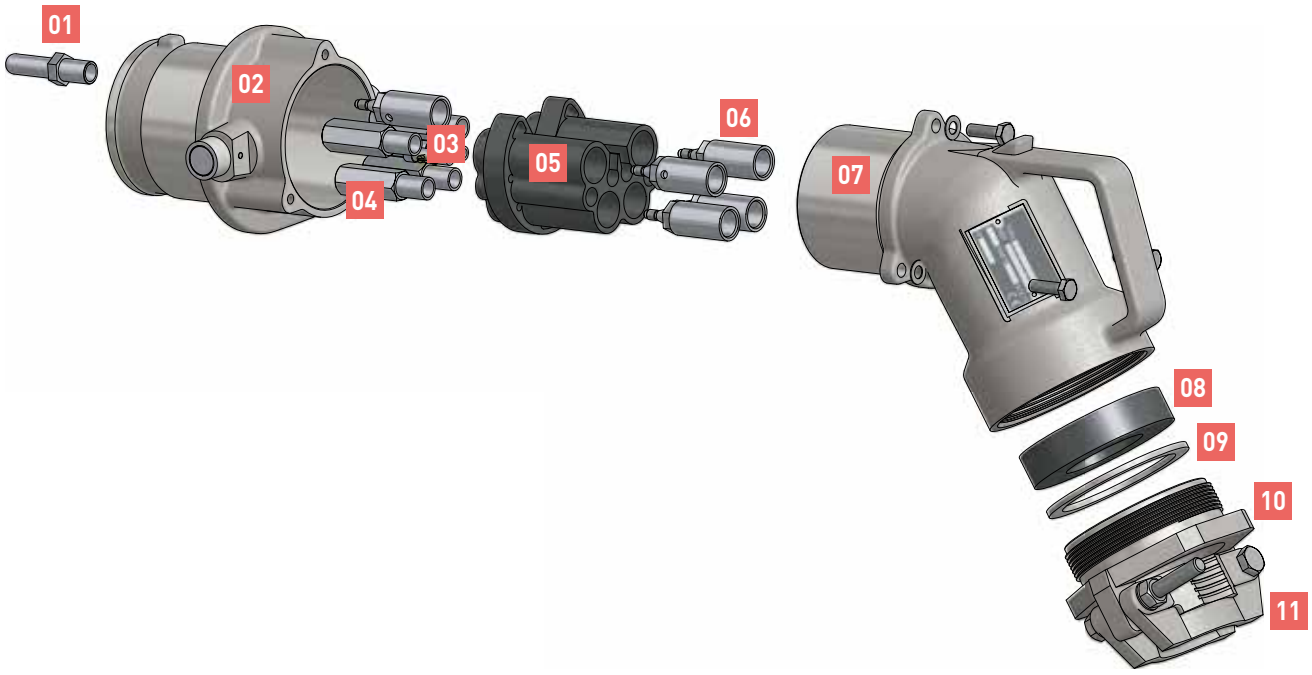
The neoprene gaskets and all the stainless steel fixing elements contribute to the exceptional qualities of strength and durability.

The OPTIMA-METAL[HDAL] plugs are compatible with the ADVANCE-METAL[HDAL] Series interlocked sockets.

technical sheet **p. 780**

Technical information

Main characteristics angled plug



01 Earth pin
02 Plug casing
03 Auxiliary pilot pin
04 Female phase contact
05 Female contact carrier
06 Cable terminal to crimp or solder (back terminal)
07 Angled plug handle
08 Cable gland seal
09 Cable gland washer
10 Cable gland
11 Cable clamp

Compatibility

ADVANCE-METAL[HDAL] Series

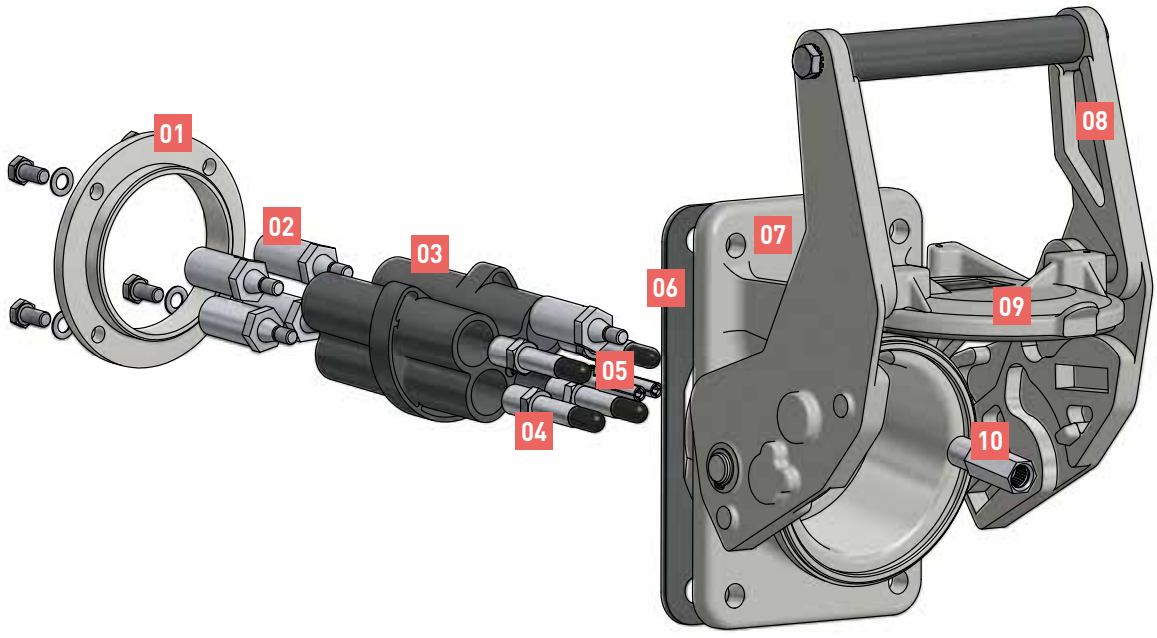


Application example



Quarry

Main characteristics socket



01 Fixing ring
02 Cable terminal to crimp or solder (back terminal)
03 Pin male contact carrier
04 IP2X phase malePIN
05 Auxiliary pilot female contact
06 Panel gasket
07 Socket casing
08 Insertion-withdrawal lever system
09 Automatic socket lid
10 Earth female contact

HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS

OPTIMA-METAL[HDAL] Series

HDAL250 TYPE >> SOCKET



Current	Poles	Volt	Terminals	Cable section	Code	
160A	3P+E	1.000	Screw terminals	16-35mm²	**899.AL2DE335V**	1
	3P+N+E	1.000	Screw terminals	16-35mm²	**899.AL2DE435V**	1
250A	3P+E	1.000	Screw terminals	50-70mm²	**899.AL2DE350V**	1
		1.000	Crimp terminals	70mm²	**899.AL2DE370**	1
		1.000	Crimp terminals	95mm²	**899.AL2DE395**	1
	3P+N+E	1.000	Screw terminals	50-70mm²	**899.AL2DE450V**	1
		1.000	Crimp terminals	70mm²	**899.AL2DE470**	1

To be mated with HDAL Type.

IP: IP67

HDAL250 TYPE >> ANGLED PLUG 60°



Current	Poles	Volt	Terminals	Cable section	Code	
160A	3P+E	1.000	Screw terminals	16-35mm²	**899.AL2PR335V**	1
	3P+N+E	1.000	Screw terminals	16-35mm²	**899.AL2PR435V**	1
250A	3P+E	1.000	Screw terminals	50-70mm²	**899.AL2PR350V**	1
		1.000	Crimp terminals	70mm²	**899.AL2PR370**	1
		1.000	Crimp terminals	95mm²	**899.AL2PR395**	1
	3P+N+E	1.000	Screw terminals	50-70mm²	**899.AL2PR450V**	1
		1.000	Crimp terminals	70mm²	**899.AL2PR470**	1

To be mated with HDAL Type.

IP: IP67

HDAL250 TYPE >> CONNECTOR



Current	Poles	Volt	Terminals	Cable section	Code	
160A	3P+E	1.000	Screw terminals	16-35mm²	**899.AL2CE335VS**	1
	3P+N+E	1.000	Screw terminals	16-35mm²	**899.AL2CE435VS**	1
250A	3P+E	1.000	Screw terminals	50-70mm²	**899.AL2CE350VS**	1
		1.000	Crimp terminals	70mm²	**899.AL2CE370S**	1
		1.000	Crimp terminals	95mm²	**899.AL2CE395S**	1
	3P+N+E	1.000	Screw terminals	50-70mm²	**899.AL2CE450VS**	1
		1.000	Crimp terminals	70mm²	**899.AL2CE470S**	1

To be mated with HDAL Type.

IP: IP67

HDAL500 TYPE >> SOCKET



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
320A	3P+E	1.000	Crimp terminals	95mm²	**899.AL5DE395**	1
	3P+N+E	1.000	Crimp terminals	95mm²	**899.AL5DE495**	1
		1.000	Crimp terminals	120mm²	**899.AL5DE412**	1
		1.000	Crimp terminals	150mm²	**899.AL5DE415**	1
370A	3P+E	1.000	Crimp terminals	120mm²	**899.AL5DE312**	1
420A	3P+E	1.000	Crimp terminals	150mm²	**899.AL5DE315**	1
		1.000	Crimp terminals	185mm²	**899.AL5DE318**	1
	3P+N+E	1.000	Crimp terminals	150mm²	**899.AL5DE415-16**	1
500A	3P+N+E	1.000	Crimp terminals	185mm²	**899.AL5DE418-16**	1
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AL5DE324-18**	1

To be mated with HDAL Type.

HDAL500 TYPE >> ANGLED PLUG 60°



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
320A	3P+E	1.000	Crimp terminals	95mm²	**899.AL5PR395**	1
	3P+N+E	1.000	Crimp terminals	95mm²	**899.AL5PR495**	1
		1.000	Crimp terminals	120mm²	**899.AL5PR412**	1
		1.000	Crimp terminals	150mm²	**899.AL5PR415**	1
370A	3P+E	1.000	Crimp terminals	120mm²	**899.AL5PR312**	1
420A	3P+E	1.000	Crimp terminals	150mm²	**899.AL5PR315**	1
		1.000	Crimp terminals	185mm²	**899.AL5PR318**	1
	3P+N+E	1.000	Crimp terminals	150mm²	**899.AL5PR415-16**	1
500A	3P+N+E	1.000	Crimp terminals	185mm²	**899.AL5PR418-16**	1
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AL5PR324-18**	1

To be mated with HDAL Type.

HDAL500 TYPE >> STRAIGHT PLUG



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
320A	3P+E	1.000	Crimp terminals	95mm²	**899.AL5PR395S**	1
	3P+N+E	1.000	Crimp terminals	95mm²	**899.AL5PR495S**	1
		1.000	Crimp terminals	120mm²	**899.AL5PR412S**	1
		1.000	Crimp terminals	150mm²	**899.AL5PR415S**	1
370A	3P+E	1.000	Crimp terminals	120mm²	**899.AL5PR312S**	1
420A	3P+E	1.000	Crimp terminals	150mm²	**899.AL5PR315S**	1
		1.000	Crimp terminals	185mm²	**899.AL5PR318S**	1
	3P+N+E	1.000	Crimp terminals	150mm²	**899.AL5PR415S-16**	1
500A	3P+N+E	1.000	Crimp terminals	185mm²	**899.AL5PR418S-16**	1
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AL5PR324S-18**	1

To be mated with HDAL Type.

HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS

OPTIMA-METAL[HDAL] Series

HDAL500 TYPE >> CONNECTOR



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
320A	3P+E	1.000	Crimp terminals	95mm²	**899.AL5CE395S**	1
	3P+N+E	1.000	Crimp terminals	95mm²	**899.AL5CE495S**	1
		1.000	Crimp terminals	120mm²	**899.AL5CE412S**	1
		1.000	Crimp terminals	150mm²	**899.AL5CE415S**	1
370A	3P+E	1.000	Crimp terminals	120mm²	**899.AL5CE312S**	1
420A	3P+E	1.000	Crimp terminals	150mm²	**899.AL5CE315S**	1
		1.000	Crimp terminals	185mm²	**899.AL5CE318S**	1
	3P+N+E	1.000	Crimp terminals	150mm²	**899.AL5CE415S-16**	1
500A	3P+N+E	1.000	Crimp terminals	185mm²	**899.AL5CE418S-16**	1
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AL5CE324S-18**	1

To be mated with HDAL Type.

HDAL800 TYPE >> SOCKET



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AL8DF324**	1
	3P+N+E	1.000	Crimp terminals	240mm²	**899.AL8DF424**	1
800A	3P+E	1.000	Crimp terminals	300mm²	**899.AL8DF330**	1
	3P+N+E	1.000	Crimp terminals	300mm²	**899.AL8DF430**	1

To be mated with HDAL Type.

HDAL800 TYPE >> STRAIGHT PLUG



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AL8PM324S**	1
	3P+N+E	1.000	Crimp terminals	240mm²	**899.AL8PM424S**	1
800A	3P+E	1.000	Crimp terminals	300mm²	**899.AL8PM330S**	1
	3P+N+E	1.000	Crimp terminals	300mm²	**899.AL8PM430S**	1

To be mated with HDAL Type.

HDAL800 TYPE >> CONNECTOR



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AL8CF324S**	1
	3P+N+E	1.000	Crimp terminals	240mm²	**899.AL8CF424S**	1
800A	3P+E	1.000	Crimp terminals	300mm²	**899.AL8CF330S**	1
	3P+N+E	1.000	Crimp terminals	300mm²	**899.AL8CF430S**	1

To be mated with HDAL Type.

ACCESSORIES (HDAL)



Description	IP	Notes	Code	
PLUG CAP	IP67	HDAL250	**899.AL2PC**	1
	IP67	HDAL500	**899.AL5PC**	1
	IP67	HDAL800	**899.AL8PC**	1

To be mated with HDAL Type.



OPTIMA-METAL[HDAS] Series

OPTIMA-METAL[HDAS] is a range of industrial plugs and sockets from 250A to 800A with tempered die-cast aluminum body and screw ring nut system which guarantees couplings with IP67 protection degree.

When not coupled, the IP67 degree of protection of the sockets is guaranteed by the screw cover supplied as standard.

The inserts in thermosetting material offer exceptional mechanical and thermal resistance, while the silver-plated and self-cleaning contacts guarantee multi-point connections and a low insertion force, resisting temperatures up to 200°C.

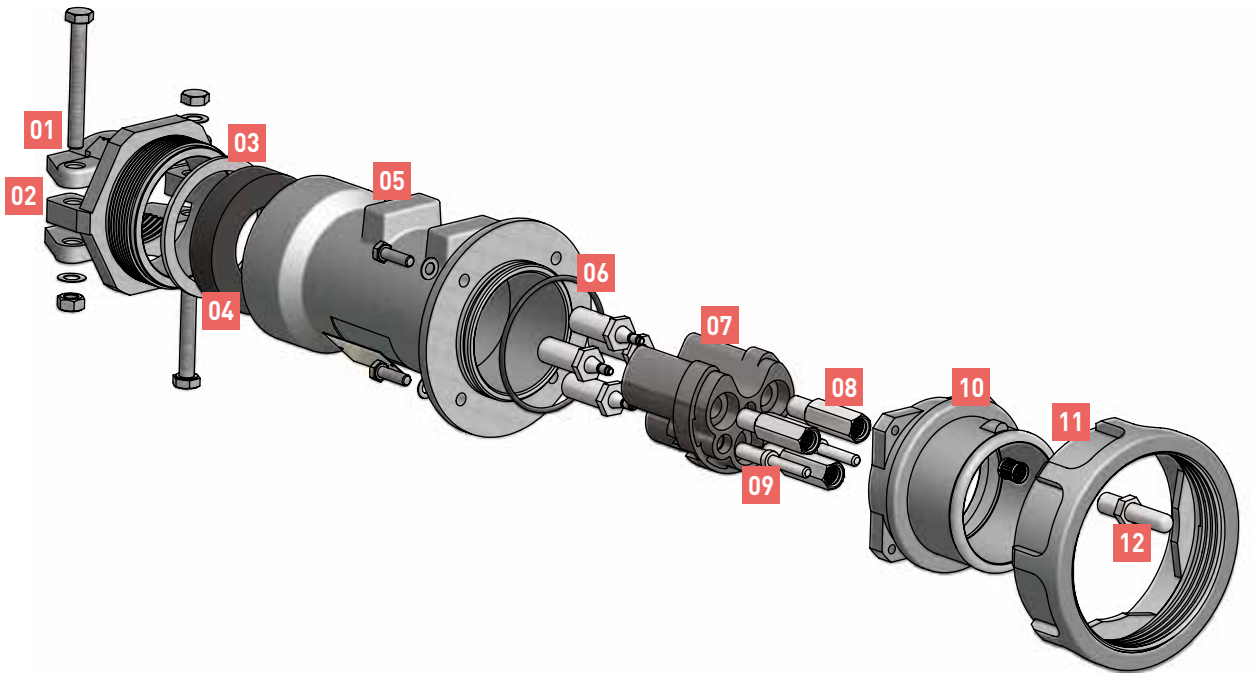
Two pilot contacts with electrical interlocking function ensure that coupling and uncoupling operations do not take place under load, while the HDAS250 and HDAS500 Type sockets are equipped with shutters that guarantee IP2X degree of protection to prevent accidental or voluntary contact with live parts.

The neoprene gaskets and all the stainless steel fixing elements contribute to the exceptional qualities of strength and durability.

technical sheet **p. 782**

Technical information

Main characteristics plug



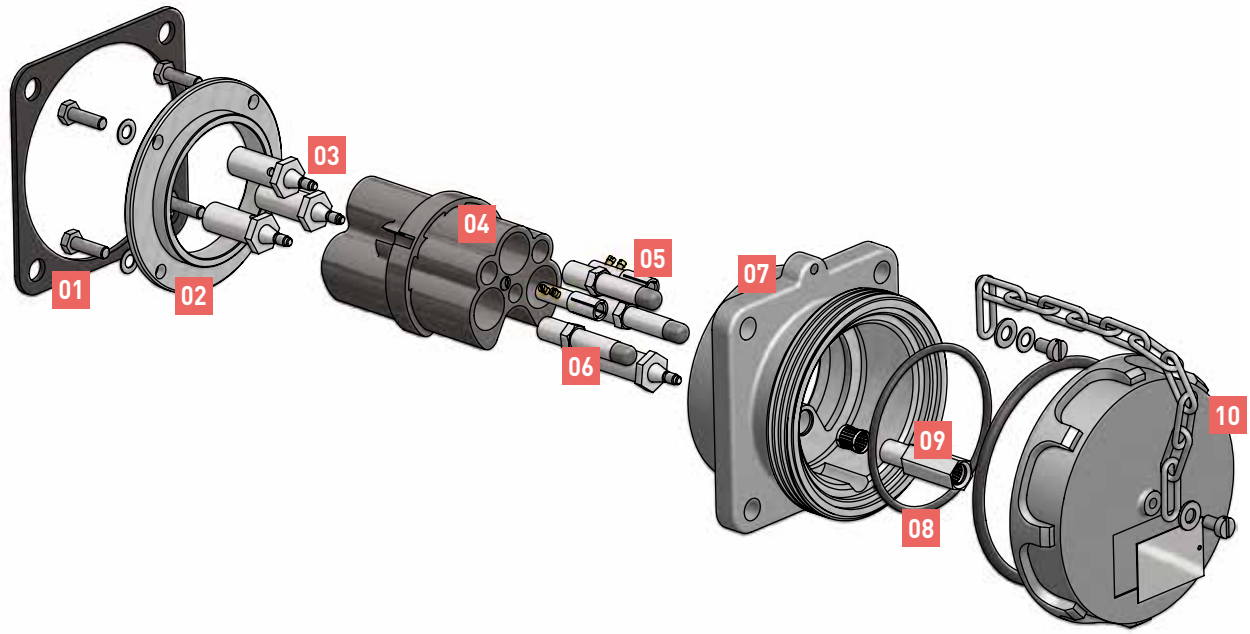
01 Cable gland
02 Cable clamp
03 Cable gland washer
04 Cable gland seal
05 Straight plug handle
06 Cable terminal to crimp or solder (back terminal)
07 Female contact carrier
08 Female phase contact
09 Auxiliary pilot pin
10 Plug casing
11 Screw ring system
12 Earth pin

Application example



Airport

Main characteristics socket



- 01 Panel gasket
- 02 Fixing ring
- 03 Cable terminal to crimp or solder
- 04 Male contact carrier
- 05 Female auxiliary pilot pin
- 06 IP2X male phase pin
- 07 Socket casing
- 08 Screw collar
- 09 Female Earth contact
- 10 Screw socket cover

HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS

OPTIMA-METAL[HDAS] Series

HDAS250 TYPE >> SOCKET



Current	Poles	Volt	Terminals	Cable section	Code	
250A	3P+E	1.000	Screw terminals	50-70mm²	**899.AS2DE350V**	1
		1.000	Crimp terminals	70mm²	**899.AS2DE370**	1
		1.000	Crimp terminals	95mm²	**899.AS2DE395**	1
	3P+N+E	1.000	Screw terminals	50-70mm²	**899.AS2DE450V**	1
		1.000	Crimp terminals	70mm²	**899.AS2DE470**	1

To be mated with HDAS Type.

IP: IP67

HDAS250 TYPE >> STRAIGHT PLUG



Current	Poles	Volt	Terminals	Cable section	Code	
250A	3P+E	1.000	Screw terminals	50-70mm²	**899.AS2PR350V**	1
		1.000	Crimp terminals	70mm²	**899.AS2PR370**	1
		1.000	Crimp terminals	95mm²	**899.AS2PR395**	1
	3P+N+E	1.000	Screw terminals	50-70mm²	**899.AS2PR450V**	1
		1.000	Crimp terminals	70mm²	**899.AS2PR470**	1

To be mated with HDAS Type.

IP: IP67

HDAS250 TYPE >> APPLIANCE INLET



Current	Poles	Volt	Terminals	Cable section	Code	
250A	3P+E	1.000	Screw terminals	50-70mm²	**899.AS2AR350V**	1
		1.000	Crimp terminals	70mm²	**899.AS2AR370**	1
		1.000	Crimp terminals	95mm²	**899.AS2AR395**	1
	3P+N+E	1.000	Screw terminals	50-70mm²	**899.AS2AR450V**	1
		1.000	Crimp terminals	70mm²	**899.AS2AR470**	1

To be mated with HDAS Type.

IP: IP67

HDAS250 TYPE >> CONNECTOR



Current	Poles	Volt	Terminals	Cable section	Code	
250A	3P+E	1.000	Screw terminals	50-70mm²	**899.AS2CE350V**	1
		1.000	Crimp terminals	70mm²	**899.AS2CE370**	1
		1.000	Crimp terminals	95mm²	**899.AS2CE395**	1
	3P+N+E	1.000	Screw terminals	50-70mm²	**899.AS2CE450V**	1
		1.000	Crimp terminals	70mm²	**899.AS2CE470**	1

To be mated with HDAS Type.

IP: IP67

HDAS500 TYPE >> SOCKET



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
320A	3P+E	1.000	Crimp terminals	95mm²	**899.AS5DE395**	1
	3P+N+E	1.000	Crimp terminals	95mm²	**899.AS5DE495**	1
		1.000	Crimp terminals	120mm²	**899.AS5DE412**	1
		1.000	Crimp terminals	150mm²	**899.AS5DE415**	1
370A	3P+E	1.000	Crimp terminals	120mm²	**899.AS5DE312**	1
420A	3P+E	1.000	Crimp terminals	150mm²	**899.AS5DE315**	1
		1.000	Crimp terminals	185mm²	**899.AS5DE318**	1
	3P+N+E	1.000	Crimp terminals	150mm²	**899.AS5DE415-16**	1
500A	3P+N+E	1.000	Crimp terminals	185mm²	**899.AS5DE418-16**	1
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AS5DE324-18**	1

To be mated with HDAS Type.

HDAS500 TYPE >> STRAIGHT PLUG



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
320A	3P+E	1.000	Crimp terminals	95mm²	**899.AS5PR395**	1
	3P+N+E	1.000	Crimp terminals	95mm²	**899.AS5PR495**	1
		1.000	Crimp terminals	120mm²	**899.AS5PR412**	1
		1.000	Crimp terminals	150mm²	**899.AS5PR415**	1
370A	3P+E	1.000	Crimp terminals	120mm²	**899.AS5PR312**	1
420A	3P+E	1.000	Crimp terminals	150mm²	**899.AS5PR315**	1
		1.000	Crimp terminals	185mm²	**899.AS5PR318**	1
	3P+N+E	1.000	Crimp terminals	150mm²	**899.AS5PR415-16**	1
500A	3P+N+E	1.000	Crimp terminals	185mm²	**899.AS5PR418-16**	1
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AS5PR324-18**	1

To be mated with HDAS Type.

HDAS500 TYPE >> APPLIANCE INLET



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
320A	3P+E	1.000	Crimp terminals	95mm²	**899.AS5AR395**	1
	3P+N+E	1.000	Crimp terminals	95mm²	**899.AS5AR495**	1
		1.000	Crimp terminals	120mm²	**899.AS5AR412**	1
		1.000	Crimp terminals	150mm²	**899.AS5AR415**	1
370A	3P+E	1.000	Crimp terminals	120mm²	**899.AS5AR312**	1
420A	3P+E	1.000	Crimp terminals	150mm²	**899.AS5AR315**	1
		1.000	Crimp terminals	185mm²	**899.AS5AR318**	1
	3P+N+E	1.000	Crimp terminals	150mm²	**899.AS5AR415-16**	1
500A	3P+N+E	1.000	Crimp terminals	185mm²	**899.AS5AR418-16**	1
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AS5AR324-18**	1

To be mated with HDAS Type.

HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS

OPTIMA-METAL[HDAS] Series

HDAS500 TYPE >> CONNECTOR



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
320A	3P+E	1.000	Crimp terminals	95mm²	**899.AS5CE395**	1
	3P+N+E	1.000	Crimp terminals	95mm²	**899.AS5CE495**	1
		1.000	Crimp terminals	120mm²	**899.AS5CE412**	1
		1.000	Crimp terminals	150mm²	**899.AS5CE415**	1
370A	3P+E	1.000	Crimp terminals	120mm²	**899.AS5CE312**	1
420A	3P+E	1.000	Crimp terminals	150mm²	**899.AS5CE315**	1
		1.000	Crimp terminals	185mm²	**899.AS5CE318**	1
	3P+N+E	1.000	Crimp terminals	150mm²	**899.AS5CE415-16**	1
500A	3P+N+E	1.000	Crimp terminals	185mm²	**899.AS5CE418-16**	1
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AS5CE324-18**	1

To be mated with HDAS Type.

HDAS800 TYPE >> SOCKET



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AS8DF324**	1
	3P+N+E	1.000	Crimp terminals	240mm²	**899.AS8DF424**	1
800A	3P+E	1.000	Crimp terminals	300mm²	**899.AS8DF330**	1
	3P+N+E	1.000	Crimp terminals	300mm²	**899.AS8DF430**	1

To be mated with HDAS Type.

HDAS800 TYPE >> STRAIGHT PLUG



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AS8PM324**	1
	3P+N+E	1.000	Crimp terminals	240mm²	**899.AS8PM424**	1
800A	3P+E	1.000	Crimp terminals	300mm²	**899.AS8PM330**	1
	3P+N+E	1.000	Crimp terminals	300mm²	**899.AS8PM430**	1

To be mated with HDAS Type.

HDAS800 TYPE >> APPLIANCE INLET



IP: IP67

Current	Poles	Volt	Terminals	Cable section	Code	
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AS8AM324**	1
	3P+N+E	1.000	Crimp terminals	240mm²	**899.AS8AM424**	1
800A	3P+E	1.000	Crimp terminals	300mm²	**899.AS8AM330**	1
	3P+N+E	1.000	Crimp terminals	300mm²	**899.AS8AM430**	1

To be mated with HDAS Type.

HDAS800 TYPE >> CONNECTOR



Current	Poles	Volt	Terminals	Cable section	Code	
570A	3P+E	1.000	Crimp terminals	240mm²	**899.AS8CF324**	1
	3P+N+E	1.000	Crimp terminals	240mm²	**899.AS8CF424**	1
800A	3P+E	1.000	Crimp terminals	300mm²	**899.AS8CF330**	1
	3P+N+E	1.000	Crimp terminals	300mm²	**899.AS8CF430**	1

To be mated with HDAS Type.

IP: IP67

ACCESSORIES (HDAS)



Description	IP	Notes	Code	
PLUG CAP	IP67	HDAS250	**899.AS2PC**	1
	IP67	HDAS500	**899.AS5PC**	1
	IP67	HDAS800	**899.AS8PC**	1

To be mated with HDAS Type.



OPTIMA-METAL[HDSD] Series

OPTIMA-METAL[HDSD] is a range of 250A industrial plugs and sockets with tempered die-cast aluminum body, rubber plug handle (aluminum, also angled, available as an accessory) and with IP66 protection degree.

All connectors are able to disconnect the equipment under load by means of special contacts able to make, carry and brake the current like a switch-disconnector (AC22 - derating in AC23).

The contact carriers in thermosetting material offer exceptional mechanical and thermal resistance, while the silver contacts with a brazed silver alloy tip guarantee resistance to corrosion and high breaking capacity.

The sockets are equipped with shutters that guarantee IP4X protection degree to prevent accidental or voluntary contact with live parts.

The neoprene gaskets and all the stainless steel fixing elements contribute to the exceptional qualities of strength and durability.

technical sheet **p. 784**

HDSD200 TYPE >> SOCKET



Current	Poles	h	Volt	Colour	Terminals	Code	
250A	3P+E	6	380-440		Screw terminals	**899.SD2D3OE01**	1
		6	380-440		Screw terminals	**899.SD2D3OE01P**[1)]	1
		9	220-250		Screw terminals	**899.SD2D3OE03**	1
	3P+N+E	6	380-440		Screw terminals	**899.SD2D3NE01**	1
		6	380-440		Screw terminals	**899.SD2D3NE01P**[1)]	1

To be mated with HDSD Type.

[1)] *Two pilot contact.*

IP: IP66

HDSD200 TYPE >> APPLIANCE INLET



Current	Poles	h	Volt	Colour	Terminals	Code	
250A	3P+E	6	380-440		Screw terminals	**899.SD2A3OE01**	1
		9	220-250		Screw terminals	**899.SD2A3OE03**	1
	3P+N+E	6	380-440		Screw terminals	**899.SD2A3NE01**	1

To be mated with HDSD Type.

IP: IP66

HDSD200 TYPE >> PLUG



Current	Poles	h	Volt	Colour	Terminals	Code	
250A	3P+E	6	380-440		Screw terminals	**899.SD2P3OE01**	1
		6	380-440		Screw terminals	**899.SD2P3OE01P**[1)]	1
		9	220-250		Screw terminals	**899.SD2P3OE03**	1
	3P+N+E	6	380-440		Screw terminals	**899.SD2P3NE01**	1
		6	380-440		Screw terminals	**899.SD2P3NE01P**[1)]	1

To be mated with HDSD Type.
Rubber handle.

[1)] *Two pilot contact.*

IP: IP66

ACCESSORIES: HANDLES (HDSD)



Description	IP	Code	
RUBBER HANDLES	IP66	**899.SD2G**	1

To be mated with HDSD Type.



Description	IP	Code	
ALUMINUM HANDLES	IP66	**899.SD2GM**	1

To be mated with HDSD Type.



Description	IP	Code	
ANGLED ALUMINUM HANDLES	IP66	**899.SD2GMA**	1

To be mated with HDSD Type.

ACCESSORIES: BOX AND PLUG CAP (HDSD)



Description	IP	Code	
FLUSH MOUNTING BOX	IP66	**899.SD2LB**	1

To be mated with HDSD Type.
For fixed plugs and sockets.



Description	IP	Code	
SURFACE MOUNTING BOX	IP66	**899.SD2WAS**	1

To be mated with HDSD Type.
For fixed plugs and sockets.



Description	IP	Code	
PLUG CAP	IP66	**899.SD2PC**	1

To be mated with HDSD Type.



ADVANCE-METAL[HDAL] Series

ADVANCE-METAL[HDAL] is a range of 250A and 400A interlocked sockets available with electrical or mechanical interlock, in the latter case which can be equipped with a wide range of brakers and protection devices. The socket part has a die-cast tempered aluminum body and is equipped with a lever system to facilitate the insertion-extraction operations, while the automatic cover guarantees IP65 protection even when not in use. The contact carriers are made of thermosetting material and offer exceptional mechanical and thermal resistance while the self-cleaning silver-plated contacts guarantee multi-point connections and a low insertion force, resisting temperatures up to 200°C. The sockets are also equipped with shutters that guarantee IP2X degree of protection to prevent accidental or voluntary contact with live parts. The enclosure is made of polyester powder coated sheet metal with reinforced door. The ADVANCE-METAL[HDAL] interlocked sockets are compatible with the OPTIMA-METAL[HDAL] Series plugs.

technical sheet **p. 786**

Technical information

Main characteristics
HDAL250 Type





01 Reinforced pressed steel hinges

02 Mechanical locking device or electrical interlocking device with MCB or RCCB

03 AC23 switch with or without protection fuses

04 Reinforced door

05 Socket with lever to facilitate insertion and extraction of the plug

06 Removable gland plate

07 Metal enclosure painted with cataphoresis process

Application example



Container terminal

Compatibility
OPTIMA-METAL[HDAL] Series



HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS

ADVANCE-METAL[HDAL] Series

HDAL250 TYPE >> WITH SWITCH-DISCONNECTOR



Current	Poles	Volt	Terminals	Code	
250A	3P+E	690	Screw terminals	**899.IN25086**	1
		690	Screw terminals	**899.IN25086B**	1
	3P+N+E	690	Screw terminals	**899.IN25087**	1
		690	Screw terminals	**899.IN25087B**	1

To be mated with HDAL250 plugs.

IP: IP65

HDAL250 TYPE >> WITH SWITCH-DISCONNECTOR AND FUSE



Current	Poles	Volt	Terminals	Code	
250A	3P+E	690	Screw terminals	**899.IN25086F**	1
		690	Screw terminals	**899.IN25086FB**	1
	3P+N+E	690	Screw terminals	**899.IN25087F**	1
		690	Screw terminals	**899.IN25087FB**	1

To be mated with HDAL250 plugs.
Fuses not provided.

IP: IP65

HDAL250 TYPE >> WITH MCCB



Current	Poles	Volt	Terminals	Code	
250A	3P+E	690	Screw terminals	**899.IN25086M**	1
	3P+N+E	690	Screw terminals	**899.IN25087M**	1

MCCB = Molded case circuit breaker with thermal magnetic trip unit.
To be mated with HDAL250 plugs.

IP: IP65

HDAL250 TYPE >> WITH MCCB & RCD



Current	Poles	Volt	Terminals	Code	
250A	3P+E	440	Screw terminals	**899.IN25086RM**	1
	3P+N+E	440	Screw terminals	**899.IN25087RM**	1

MCCB & RCD = Molded case circuit breaker with thermal magnetic and residual current release trip unit.
To be mated with HDAL250 plugs.

IP: IP65

HDAL400 TYPE >> WITH MCCB



Current	Poles	Volt	Terminals	Code	
400A	3P+E	440	Screw terminals	**899.IN40086M**	1
	3P+N+E	440	Screw terminals	**899.IN40087M**	1

MCCB = Molded case circuit breaker with thermal magnetic trip unit.
To be mated with HDAL500 plugs.

IP: IP65

HDAL400 TYPE >> WITH MCCB & RCD



Current	Poles	Volt	Terminals	Code	
400A	3P+E	440	Screw terminals	**899.IN40086RM**	1
	3P+N+E	440	Screw terminals	**899.IN40087RM**	1

MCCB & RCD = Molded case circuit breaker with thermal magnetic and residual current release trip unit.
To be mated with HDAL500 plugs.

IP: IP65









SWITCHGEARS




TORQUE 0,8Nm

PANEL SWITCH-DISCONNECTORS

COMMAND SERIES
Switch-disconnectors
p. 288



COMMAND[UL] SERIES
Unfused switch-disconnectors and change-over switches UL/CSA listed
p. 296





COMMAND Series

COMMAND is a complete range of switch-disconnectors and change-over switches I-0-II for base or front panel mounting. High performance switch-disconnectors and change-over switches able to maintain their own rated current even in AC23A utilization category (Switching of motor loads or other strongly inductive loads) and with the particularity, in the 3P+N configuration, of the anticipated Neutral useful to protect against possible overvoltages due to the absence of the Neutral phase on the power supply.

technical sheet **p. 788**

SWITCH-DISCONNECTORS >> SWITCH-DISCONNETORS >> BASE MOUNTING - 16A-40A



Current	Poles	Switch size	Code	
16A	2P	Y1	**590.YA162B** [1]	6
	3P	Y1	**590.YA163B** [1]	6
	4P	Y1	**590.YA164B** [1]	6
	3P+N	Y1	**590.YA165B** [1]	6
	6P	Y3	**590.YA166B** [2] [3]	1/6
	8P	Y3	**590.YA168B** [2] [3]	1/6
20A	2P	Y1	**590.YA202B** [1]	6
	3P	Y1	**590.YA203B** [1]	6
	4P	Y1	**590.YA204B** [1]	6
	3P+N	Y1	**590.YA205B** [1]	6
25A	6P	Y3	**590.YA256B** [2] [3]	1/6
	8P	Y3	**590.YA258B** [2] [3]	1/6
32A	2P	Y1	**590.YA322B** [1]	6
	3P	Y1	**590.YA323B** [1]	6
	4P	Y1	**590.YA324B** [1]	6
	3P+N	Y1	**590.YA325B** [1]	6
	6P	Y3	**590.YA326B** [2] [3]	1/6
	8P	Y3	**590.YA328B** [2] [3]	1/6
40A	2P	Y1	**590.YA402B** [1]	6
	3P	Y1	**590.YA403B** [1]	6
	4P	Y1	**590.YA404B** [1]	6
	3P+N	Y1	**590.YA405B** [1]	6
	6P	Y3	**590.YA406B** [2] [3]	1/6
	8P	Y3	**590.YA408B** [2] [3]	1/6

BOX (B) = Base mounting.

[1] *DIN rail fixing.*
[2] *Equipped with direct handle.*
[3] *DIN rail / screw fixing.*

SWITCH-DISCONNECTORS >> SWITCH-DISCONNETORS >> BASE MOUNTING - 63A-160A



Current	Poles	Switch size	Code	
63A	2P	Y2	**590.YA632B** [1]	6
	3P	Y2	**590.YA633B** [1]	6
	3P	Y4	**590.YA633B-H** [2] [3]	6
	4P	Y2	**590.YA634B** [1]	6
	3P+N	Y2	**590.YA635B** [1]	6
	3P+N	Y4	**590.YA635B-H** [2] [3]	6
	6P	Y4	**590.YA636B** [2] [3]	1/6
	8P	Y4	**590.YA638B** [2] [3]	1/6
80A	2P	Y2	**590.YA802B** [1]	6
	3P	Y2	**590.YA803B** [1]	6
	3P	Y4	**590.YA803B-H** [2] [3]	6
	4P	Y2	**590.YA804B** [1]	6
	3P+N	Y2	**590.YA805B** [1]	6
	3P+N	Y4	**590.YA805B-H** [2] [3]	6
	6P	Y4	**590.YA806B** [2] [3]	1/6
	8P	Y4	**590.YA808B** [2] [3]	1/6
100A	3P	Y4	**590.YA1003B** [2] [3]	6
	4P	Y2	**590.YA1004B** [1]	6
	3P+N	Y4	**590.YA1005B** [2] [3]	1/6
	6P	Y4	**590.YA1006B** [2] [3]	1/6
	8P	Y4	**590.YA1008B** [2] [3]	1/6
125A	3P	Y5	**590.YA1253B** [2] [3]	1/6
	3P+N	Y5	**590.YA1255B** [2] [3]	1/6
	6P	Y5	**590.YA1256B** [2] [3]	1/6
	8P	Y5	**590.YA1258B** [2] [3]	1/6
160A	3P	Y5	**590.YA1603B** [2] [3]	1/5
	3P+N	Y5	**590.YA1605B** [2] [3]	1/5
	6P	Y5	**590.YA1606B** [2] [3]	1/6
	8P	Y5	**590.YA1608B** [2] [3]	1/6

BOX (B) = Base mounting.

[1] *DIN rail fixing.*
[2] *Equipped with direct handle.*
[3] *DIN rail / screw fixing.*

SWITCH-DISCONNECTORS >> SWITCH-DISCONNETORS >> PANEL MOUNTING - 16A-100A



Current	Poles	Switch size	Code	
16A	2P	Y1	**590.YA162R**	6
	3P	Y1	**590.YA163R**	6
	4P	Y1	**590.YA164R**	6
	3P+N	Y1	**590.YA165R**	6
32A	2P	Y1	**590.YA322R**	6
	3P	Y1	**590.YA323R**	6
	4P	Y1	**590.YA324R**	6
	3P+N	Y1	**590.YA325R**	6
40A	2P	Y1	**590.YA402R**	6
	3P	Y1	**590.YA403R**	6
	4P	Y1	**590.YA404R**	6
	3P+N	Y1	**590.YA405R**	6
63A	2P	Y2	**590.YA632R**	6
	3P	Y2	**590.YA633R**	6
	4P	Y2	**590.YA634R**	6
	3P+N	Y2	**590.YA635R**	6
80A	2P	Y2	**590.YA802R**	6
	3P	Y2	**590.YA803R**	6
	4P	Y2	**590.YA804R**	6
	3P+N	Y2	**590.YA805R**	6
100A	3P	Y2	**590.YA1003R**	6
	4P	Y2	**590.YA1004R**	6
	3P+N	Y2	**590.YA1005R**	6

REAR (R) = Panel mounting.

SWITCH-DISCONNECTORS >> SWITCH DISCONNECTORS - DC - DIRECT CURRENT



Current	Poles in series	Switch size	Code	
15A	4	D3	**590.DC0815**[2) 3)]	1/6
16A	4	D1	**590.DC0416**[1)]	1/6
20A	5	D3	**590.DC0820**[2) 3)]	1/6
25A	6	D3	**590.DC0825**[2) 3)]	1/6
30A	8	D3	**590.DC0830**[2) 3)]	1/6
40A	8	D5	**590.DC0840**[2) 3)]	1/6

BOX (B) = Base mounting.
Links already wired.

[1)] *DIN rail fixing.*
[2)] *Equipped with direct handle.*
[3)] *DIN rail / screw fixing.*

SWITCH-DISCONNECTORS >> FUSED SWITCH-DISCONNECTORS >> BASE MOUNTING - WITH FUSE CARRIER - TYPE GG



Current	Poles	Switch size	Fuse type	Code	
16A	2P	F1	gG 10,3x38mm	**590.YF162B**	1/6
	3P	F1	gG 10,3x38mm	**590.YF163B**	1/6
	4P	F1	gG 10,3x38mm	**590.YF164B**	1/6
	3P+N	F1	gG 10,3x38mm	**590.YF165B**	1/6
32A	2P	F1	gG 10,3x38mm	**590.YF322B**	1/6
	3P	F1	gG 10,3x38mm	**590.YF323B**	1/6
	4P	F1	gG 10,3x38mm	**590.YF324B**	1/6
	3P+N	F1	gG 10,3x38mm	**590.YF325B**	1/6

Fuses not supplied.
BOX (B) = Base mounting.
DIN rail fixing.

SWITCH-DISCONNECTORS >> ACCESSORIES >> FRONT OPERATOR HANDLES 48X48MM



Description	Colour	Switch size	Diameter	Dimensions	IP	B		R	
FRONT OPERATOR		F1 Y1 D1	standard	48x48mm	IP65	**590.YM48B1** [2)]	10	**590.YM48R1** [1)]	10
		F1 Y1 D1	ø22mm	48x48mm	IP65	**590.YM50B1** [2)]	10	**590.YM50R1** [1)]	10
		F1 Y1 D1	standard	48x48mm	IP65	**590.YM48B2** [2)]	10	**590.YM48R2** [1)]	10
		F1 Y1 D1	ø22mm	48x48mm	IP65	**590.YM50B2** [2)]	10	**590.YM50R2** [1)]	10

Shaft not included (to buy separately).
For general use and emergency switches.
Handle not padlockable.

[1)] *For panel mounting version (R).*
[2)] *For base mounting version with door interlock (B).*

SWITCH-DISCONNECTORS >> ACCESSORIES >> FRONT OPERATOR HANDLES 48X48MM - PADLOCKABLE



Description	Notes1	Colour	Switch size	Diameter	Dimensions	IP	B		R	
FRONT OPERATOR PADLOCKABLE	TYPE 1, 4, 4X		F1 Y1 D1	standard	48x48mm	IP65	**590.YM49B1** [2)]	10	**590.YM49R1** [1)]	10
	TYPE 1, 4, 4X		F1 Y1 D1	ø22mm	48x48mm	IP65	**590.YM51B1** [2)]	10	**590.YM51R1** [1)]	10
	TYPE 1, 4, 4X		F1 Y1 D1	standard	48x48mm	IP65	**590.YM49B2** [2)]	10	**590.YM49R2** [1)]	10
	TYPE 1, 4, 4X		F1 Y1 D1	ø22mm	48x48mm	IP65	**590.YM51B2** [2)]	10	**590.YM51R2** [1)]	10

Shaft not included (to buy separately).
For general use and emergency switches.
Handle padlockable in OFF position only (3 padlocks).

[1)] *For panel mounting version (R).*
[2)] *For base mounting version with door interlock (B).*

SWITCH-DISCONNECTORS >> ACCESSORIES >> FRONT OPERATOR HANDLES 67X67MM



Description	Notes1	Colour	Switch size	Diameter	Dimensions	IP	B		R	
FRONT OPERATOR PADLOCKABLE	TYPE 1, 4, 4X		F1 Y1 D1	standard	67x67mm	IP65	**590.YM67B1** [2]	10	**590.YM67R1** [1]	10
	TYPE 1, 4, 4X		F1 Y1 D1	ø22mm	67x67mm	IP65	**590.YM68B1** [2]	10	**590.YM68R1** [1]	10
	TYPE 1, 4, 4X		Y2	standard	67x67mm	IP65	**590.YM67B6** [2]	10	**590.YM67R6** [1]	10
	TYPE 1, 4, 4X		Y2	ø22mm	67x67mm	IP65	**590.YM68B6** [2]	10		
	TYPE 1, 4, 4X		F1 Y1 D1	standard	67x67mm	IP65	**590.YM67B2** [2]	10	**590.YM67R2** [1]	10
	TYPE 1, 4, 4X		F1 Y1 D1	ø22mm	67x67mm	IP65	**590.YM68B2** [2]	10	**590.YM68R2** [1]	10
	TYPE 1, 4, 4X		Y2	standard	67x67mm	IP65	**590.YM67B7** [2]	10	**590.YM67R7** [1]	10
	TYPE ù 1, 4, 4X		Y2	ø22mm	67x67mm	IP65	**590.YM68B7** [2]	10		

Shaft not included (to buy separately).
For general use and emergency switches.
Handle padlockable in OFF position only (3 padlocks).

[1] *For panel mounting version (R).*
[2] *For base mounting version with door interlock (B).*

SWITCH-DISCONNECTORS >> ACCESSORIES >> FRONT OPERATOR HANDLES Ø40MM



Description	Notes1	Colour	Switch size	Diameter	Dimensions	IP	Code	
FRONT OPERATOR PADLOCKABLE	16A-40A		Y1	ø22mm	ø40mm	IP65	**590.YM40B2**	1/10
	16A-40A		Y1	ø22mm	ø40mm	IP65	**590.YM40B1**	1/10

Shaft not included (to buy separately).
For base mounting version with door interlock (B).
Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

SWITCH-DISCONNECTORS >> ACCESSORIES >> FRONT OPERATOR HANDLES Y2



Description	Notes1	Colour	Switch size	IP	Code	
FRONT OPERATOR PADLOCKABLE	63A-80A		Y2	IP65	**590.YM90B2**	1/10
	63A-80A		Y2	IP65	**590.YM90B1**	1/10

Shaft not included (to buy separately).
For base mounting version with door interlock (B).
Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

SWITCH-DISCONNECTORS >> ACCESSORIES >> FRONT OPERATOR HANDLES Ø80MM



Description	Notes1	Colour	Switch size	Diameter	Dimensions	IP	Code	
FRONT OPERATOR PADLOCKABLE	16A-160A		Y3 Y4 Y5 D3 D5	ø22mm	ø80mm	IP65	**590.YM80B1**	1/5
	16A-160A		Y3 Y4 Y5 D3 D5	ø22mm	ø80mm	IP65	**590.YM80B2**	1/5

Shaft not included (to buy separately).
For base mounting version with door interlock (B).
Handle padlockable in OFF position only (3 padlocks).

SWITCH-DISCONNECTORS >> ACCESSORIES >> FRONT OPERATOR HANDLES 70X87MM



Description	Colour	Switch size	Dimensions	Code	
FRONT OPERATOR		Y1 D1	70x87mm	**590.YM70R1**	10
		Y2	70x87mm	**590.YM70R6**	10
		Y1 D1	70x87mm	**590.YM70R2**	10
		Y2	70x87mm	**590.YM70R7**	10

For general use and emergency switches.
For panel mounting version (R).
Handle padlockable in OFF position only (3 padlocks).
They can only be applied to SCAME enclosure system 32A (84X106mm) socket cut out.
Shaft included.

SWITCH-DISCONNECTORS >> ACCESSORIES >> DIRECT HANDLE



Description	Colour	Switch size	IP	Code	
DIRECT HANDLE		F1 Y1 D1	IP65	**590.YMC1**	10
		Y2	IP65	**590.YMC2**	10

Shaft included.
For base mounting version (B).

SWITCH-DISCONNECTORS >> ACCESSORIES >> DIRECT HANDLE KIT FOR DIN RAIL WINDOW



Description	Switch size	Code	
WINDOW FOR DIN RAIL	Y1 D1	**590.YMDIN**	10

Shaft included.
For base mounting version (B).

SWITCH-DISCONNECTORS >> ACCESSORIES >> SHAFT FOR FRONT OPERATOR HANDLES



Description	Notes1	Switch size	Notes	Dimensions	Code	
SHAFT		KF1 KF2 K1 K2		200mm	**590.KMA200A**	1/100
		KF1 KF2 K1 K2		300mm	**590.KMA300A**	1/20
		KF1 KF2 K1 K2		400mm	**590.KMA400A**	1/20
		KF3 KF4 KF5 K3 K4 K5 K6		200mm	**590.KMA200B**	1/50
		KF3 KF4 KF5 K3 K4 K5 K6		300mm	**590.KMA300B**	1/20
		KF3 KF4 KF5 K3 K4 K5 K6		400mm	**590.KMA400B**	1/20
		F1 Y1 D1	[5x5mm]	185mm	**590.YMA185**	10/100
		F1 Y1 D1	[5x5mm]	300mm	**590.YMA300**	10
		F1 Y1 D1	[5x5mm]	70mm	**590.YMA070**	10/100
		F1 Y1 D1	[5x5mm]	85mm	**590.YMA085**	10/100
		Y2	[6x6mm]	185mm	**590.YMB185**	10/100
		Y2	[6x6mm]	300mm	**590.YMB300**	10
		Y2	[6x6mm]	85mm	**590.YMB085**	10/100
	STEEL - CAP	Y3 Y4 Y5 C1 C2 C3 D3 D5		100mm	**590.YMA101**	10/100
	STEEL - CAP	Y3 Y4 Y5 C1 C2 C3 D3 D5		200mm	**590.YMA201**	10/100
	STEEL - CAP	Y3 Y4 Y5 C1 C2 C3 D3 D5		300mm	**590.YMA301**	10/100

For base mounting version (B).
To buy along with front operator handle.

SWITCH-DISCONNECTORS >> ACCESSORIES >> SHAFT-HUB



Description	Switch size	Code	
SHAFT-HUB REINFORCING RING	Y3 Y4 Y5 C1 C2 C3 D3 D5	**590.YMZZ**	10/50

For base mounting version (B).
To buy along with front operator handle.
Assembled instead of the handle, it reduces the switch height by 5mm.

SWITCH-DISCONNECTORS >> ACCESSORIES >> SINGLE JUNCTION BOX



Description	Colour	Notes	Dimensions	IP	Code	
ENCLOSURE FOR SWITCH		ADVANCE2	136x150x105mm	IP66	**576.4390**	6
		OMNIA	136x125x85mm	IP67	**572.3390**[1]	6

Blank side with drilling point marks.
For fitting with Y1 switch size panel mounting version (R) and relevant front operators handless (IP65).

[1] *IP67 when assembled together with the relevant component.*

SWITCH-DISCONNECTORS >> ACCESSORIES >> CONTACT BLOCKS



Description	Colour	Switch size	Notes	Code	
NC CONTACT		F1 Y1 D1	16A 690V~ - 6A 230V~ AC15	**590.PL004001**[2) 3)]	10/60
		Y2	16A 690V~ - 6A 230V~ AC15	**590.PL004003**[2) 3)]	10
NO CONTACT		F1 Y1 D1	16A 690V~ - 6A 230V~ AC15	**590.PL004002**[1) 3)]	10/60
		Y2	16A 690V~ - 6A 230V~ AC15	**590.PL004004**[1) 3)]	10
CHANGE OVER CONTACT		F1 Y3 Y4 Y5 C1 C2 C3 D3 D5	15A 250V~ - 10A 415V~	**590.PL005**[4)]	50
		Y1	15A 250V~ - 10A 415V~	**590.PL004005**[4)]	10
		Y2	15A 250V~ - 10A 415V~	**590.PL004006**[4)]	10

[1] *NO=Normally open.*
[2] *NC=Normally closed.*
[3] *Snap catch.*
[4] *Break before main contacts.*

CHANGE-OVER SWITCHES >> MANUAL - BASE MOUNTING



Current	Poles	Switch size	Code	
16A	3P	C1	**590.YA163B-C**	1/6
	3P+N	C1	**590.YA165B-C**	1/6
25A	3P	C1	**590.YA253B-C**	1/6
	3P+N	C1	**590.YA255B-C**	1/6
32A	3P	C1	**590.YA323B-C**	1/6
	3P+N	C1	**590.YA325B-C**	1/6
40A	3P	C1	**590.YA403B-C**	1/6
	3P+N	C1	**590.YA405B-C**	1/6
63A	3P	C2	**590.YA633B-C**	1/6
	3P+N	C2	**590.YA635B-C**	1/6
80A	3P	C2	**590.YA803B-C**	1/6
	3P+N	C2	**590.YA805B-C**	1/6
100A	3P	C2	**590.YA1003B-C**	1/6
	3P+N	C2	**590.YA1005B-C**	1/6
125A	3P	C3	**590.YA1253B-C**	1/6
	3P+N	C3	**590.YA1255B-C**	1/6
160A	3P	C3	**590.YA1603B-C**	1/6
	3P+N	C3	**590.YA1605B-C**	1/6

BOX (B) = Base mounting.
Equipped with direct handle.
Handle padlockable in OFF position (1 padlock).

CHANGE-OVER SWITCHES >> ACCESSORIES >> FRONT OPERATOR HANDLES Ø80MM



Description	Notes1	Colour	Switch size	Diameter	Dimensions	IP	Code	
FRONT OPERATOR PADLOCKABLE	PER COMMUTATORE (16A-160A)		C1 C2 C3	ø22mm	ø80mm	IP65	**590.YM80B2-C**	1/10

Shaft not included (to buy separately).
For base mounting version with door interlock (B).
Handle padlockable in OFF position only (3 padlocks).

CHANGE-OVER SWITCHES >> ACCESSORIES >> SHAFT FOR FRONT OPERATOR HANDLES



Description	Notes1	Switch size	Dimensions	Code	
SHAFT		KA1 KA2 KS1 KS2	300mm	**590.KMA300A-C**	1/5
		KA3 KA4 KA5 KA6 KS3 KS4 KS5 KS6	300mm	**590.KMA300B-C**	1/5
	STEEL - CAP	Y3 Y4 Y5 C1 C2 C3 D3 D5	100mm	**590.YMA101** [1) 2)]	10/100
	STEEL - CAP	Y3 Y4 Y5 C1 C2 C3 D3 D5	200mm	**590.YMA201** [1) 2)]	10/100
	STEEL - CAP	Y3 Y4 Y5 C1 C2 C3 D3 D5	300mm	**590.YMA301** [1) 2)]	10/100

[1)] *For base mounting version (B).*
[2)] *To buy along with front operator handle.*

CHANGE-OVER SWITCHES >> ACCESSORIES >> CONTACT BLOCKS



Description	Switch size	Notes	Code	
CHANGE OVER CONTACT	F1 Y3 Y4 Y5 C1 C2 C3 D3 D5	15A 250V~ - 10A 415V~	**590.PL005**	50

Break before main contacts.



COMMAND[UL] Series

COMMAND[UL] is a complete range of switch-disconnectors and change-over switches, for base or front panel mounting, UL/CSA listed for the North American market and countries where the UL standard is recognized. High performance switch-disconnectors and change-over switches able to maintain their own rated current even in AC23A utilization category (Switching of motor loads or other strongly inductive loads) and with the particularity, in the 3P+N configuration, of the anticipated Neutral useful to protect against possible overvoltages due to the absence of the Neutral phase on the power supply.

technical sheet **p. 788**

SWITCH-DISCONNECTORS UL/CSA LISTED >> BASE MOUNTING - Y3



Current	Poles	Switch size	Type	Code	
16A	3P	Y3		**590.YU10163**	1/50
	3P	Y3	EMERGENCY	**590.YU10163E**	1
	4P	Y3		**590.YU10164**	1
	4P	Y3	EMERGENCY	**590.YU10164E**	1
	6P	Y3		**590.YU10166**	1/50
25A	3P	Y3		**590.YU10253**	1/50
	3P	Y3	EMERGENCY	**590.YU10253E**	1
	4P	Y3		**590.YU10254**	1
	4P	Y3	EMERGENCY	**590.YU10254E**	1
	6P	Y3		**590.YU10256**	1/50
32A	3P	Y3		**590.YU10323**	1/50
	3P	Y3	EMERGENCY	**590.YU10323E**	1
	4P	Y3		**590.YU10324**	1
	4P	Y3	EMERGENCY	**590.YU10324E**	1
	6P	Y3		**590.YU10326**	1/50
40A	3P	Y3		**590.YU10403**	1/50
	3P	Y3	EMERGENCY	**590.YU10403E**	1
	4P	Y3		**590.YU10404**	1
	4P	Y3	EMERGENCY	**590.YU10404E**	1
	6P	Y3		**590.YU10406**	1/50

Equipped with direct handle.
DIN rail / screw fixing.

SWITCH-DISCONNECTORS UL/CSA LISTED >> BASE MOUNTING - Y4



Current	Poles	Switch size	Type	Code	
63A	3P	Y4		**590.YU20633**	1/50
	3P	Y4	EMERGENCY	**590.YU20633E**	1
	4P	Y4		**590.YU20634**	1
	4P	Y4	EMERGENCY	**590.YU20634E**	1
	6P	Y4		**590.YU20636**	1/20
80A	3P	Y4		**590.YU20803**	1/50
	3P	Y4	EMERGENCY	**590.YU20803E**	1
	4P	Y4		**590.YU20804**	1
	4P	Y4	EMERGENCY	**590.YU20804E**	1
	6P	Y4		**590.YU20806**	1/20
100A	3P	Y4		**590.YU201003**	1/50
	3P	Y4	EMERGENCY	**590.YU201003E**	1
	4P	Y4		**590.YU201004**	1
	4P	Y4	EMERGENCY	**590.YU201004E**	1
	6P	Y4		**590.YU201006**	1/20
125A	3P	Y4		**590.YU201253**	1/50
	3P	Y4	EMERGENCY	**590.YU201253E**	1
	4P	Y4		**590.YU201254**	1
	4P	Y4	EMERGENCY	**590.YU201254E**	1
	6P	Y4		**590.YU201256**	1/20

Equipped with direct handle.
DIN rail / screw fixing.

SWITCH-DISCONNECTORS UL/CSA LISTED >> BASE MOUNTING - Y5



Current	Poles	Switch size	Type	Code	
100A	3P	Y5		**590.YU301003**	1
	3P	Y5	EMERGENCY	**590.YU301003E**	1
	3P	Y5		**590.YU31003**	1/50
	4P	Y5		**590.YU301004**	1
	4P	Y5	EMERGENCY	**590.YU301004E**	1
	6P	Y5		**590.YU31006**	1/20
125A	3P	Y5		**590.YU301253**	1
	3P	Y5	EMERGENCY	**590.YU301253E**	1
	3P	Y5		**590.YU31253**	1/50
	4P	Y5		**590.YU301254**	1
	4P	Y5	EMERGENCY	**590.YU301254E**	1
	6P	Y5		**590.YU31256**	1/20
160A	3P	Y5		**590.YU301603**	1
	3P	Y5	EMERGENCY	**590.YU301603E**	1
	3P	Y5		**590.YU31603**	1/50
	4P	Y5		**590.YU301604**	1
	4P	Y5	EMERGENCY	**590.YU301604E**	1
	6P	SD3		**590.YU31606**	1/20

Equipped with direct handle.
DIN rail / screw fixing.

SWITCH-DISCONNECTORS UL/CSA LISTED >> ACCESSORIES



Description	Poles	Switch size	Code	
SWITCH DISCONNECTOR	NEUTRAL TEMINAL POLE	Y3	**590.YU1040N**	1/20
	NEUTRAL TEMINAL POLE	Y4	**590.YU2125N**	1/20
	NEUTRAL TEMINAL POLE	Y5	**590.YU3160N**	1/20
	EARTH TERMINAL POLE	Y3	**590.YU1040E**	1/20
	EARTH TERMINAL POLE	Y4	**590.YU2125E**	1/20
	EARTH TERMINAL POLE	Y5	**590.YU3160E**	1/20
	4TH POLE	Y3	**590.YU10401**	1/100
	4TH POLE	Y4	**590.YU21251**	1/50
	4TH POLE	Y5	**590.YU31601**	1/20

CHANGE-OVER SWITCHES UL/CSA LISTED >> BASE MOUNTING



Current	Poles	Switch size	Code	
16A	3P	Y3	**590.YU10163-C**	1/20
25A	3P	Y3	**590.YU10253-C**	1/20
32A	3P	Y3	**590.YU10323-C**	1/100
40A	3P	Y3	**590.YU10403-C**	1/100
63A	3P	Y4	**590.YU20633-C**	1/20
80A	3P	Y4	**590.YU20803-C**	1/20
100A	3P	Y4	**590.YU201003-C**	1/50
	3P	Y5	**590.YU31003-C**	1/20
125A	3P	Y4	**590.YU201253-C**	1/50
	3P	Y5	**590.YU31253-C**	1/20
160A	3P	Y5	**590.YU31603-C**	1/20

Equipped with direct handle.
DIN rail / screw fixing.

ACCESSORIES >> FRONT OPERATOR HANDLES - GE



Description	Notes1	Colour	Code	
FRONT OPERATOR	PISTOL HANDLE	■	**590.YMU32G**	1/50
	ROUND HANDLE	■	**590.YMU12G**	1/50

ACCESSORIES >> FRONT OPERATOR HANDLES - EM



Description	Notes1	Colour	Code	
FRONT OPERATOR	PISTOL HANDLE	■	**590.YMU32E**	1/50
	ROUND HANDLE	■	**590.YMU12E**	1/50

ACCESSORIES >> FRONT OPERATOR HANDLES - CHANGE-OVER SWITCHES



Description	Notes1	Colour	Code	
FRONT OPERATOR	ROUND HANDLE	■	**590.YMU12G-C**	1/50
	ROUND HANDLE	■	**590.YMU22G-C**	1/50

ACCESSORIES >> SHAFT FOR FRONT OPERATOR HANDLES



Description	Notes1	Switch size	Dimensions	Code	
SHAFT	STEEL - CAP	Y3 Y4 Y5 C1 C2 C3 D3 D5	100mm	**590.YMA101**	10/100
	STEEL - CAP	Y3 Y4 Y5 C1 C2 C3 D3 D5	200mm	**590.YMA201**	10/100
	STEEL - CAP	Y3 Y4 Y5 C1 C2 C3 D3 D5	300mm	**590.YMA301**	10/100

For base mounting version (B).
To buy along with front operator handle.

ACCESSORIES >> TERMINAL PROTECTION COVER



Description	Poles	Switch size	Code	
PROTECTION COVER	3P	Y3	**590.KMTU13**	1/50
		Y4	**590.KMTU23**	1/50
		Y5	**590.KMTU33**	1/50
	4TH POLE	Y3	**590.KMTU11**	1/50
		Y4	**590.KMTU21**	1/50
		Y5	**590.KMTU31**	1/50

ACCESSORIES >> CONTACT BLOCKS



Description	Notes1	Code	
AUXILIARY CONTACT 1NO+1NC	FASTON TERMINALS	**590.PU006**	1/50
	SCREW TERMINALS	**590.PU005**	1/50



ISOLATORS-TP SERIES

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Enclosed switch-disconnectors in thermoplastic enclosure



ISOLATORS-HD SERIES

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Enclosed switch-disconnectors in heavy duty thermoplastic enclosure



SWITCH-DISCONNECTORS

ISOLATORS-AL SERIES
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Enclosed switch-disconnectors in die-cast aluminium enclosure



ISOLATORS-MS SERIES
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Enclosed switch-disconnectors in mild steel enclosure



ISOLATORS-INOX SERIES
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Enclosed switch-disconnectors in stainless steel enclosure



Applications: Food Industry | Chemical Industry | Pharma Industry

ISOLATORS-HR SERIES
p. 336

Enclosed switch-disconnectors in metal enclosure with hinged door



ISOLATORS-FR SERIES
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Fire Rated enclosed switch-disconnectors



ISOLATORS-PV SERIES
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Enclosed switch-disconnectors in Direct Current for photovoltaic application



ACCESSORIES
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Installation accessories





ISOLATORS-TP Series

ISOLATORS-TP is a complete range of switch-disconnectors with highly resistant thermoplastic enclosure and is suitable for most industrial and tertiary applications, thanks to the high degree of protection IP66/IP69 which allows it to be installed even in the presence of water jets high pressure and high temperature.

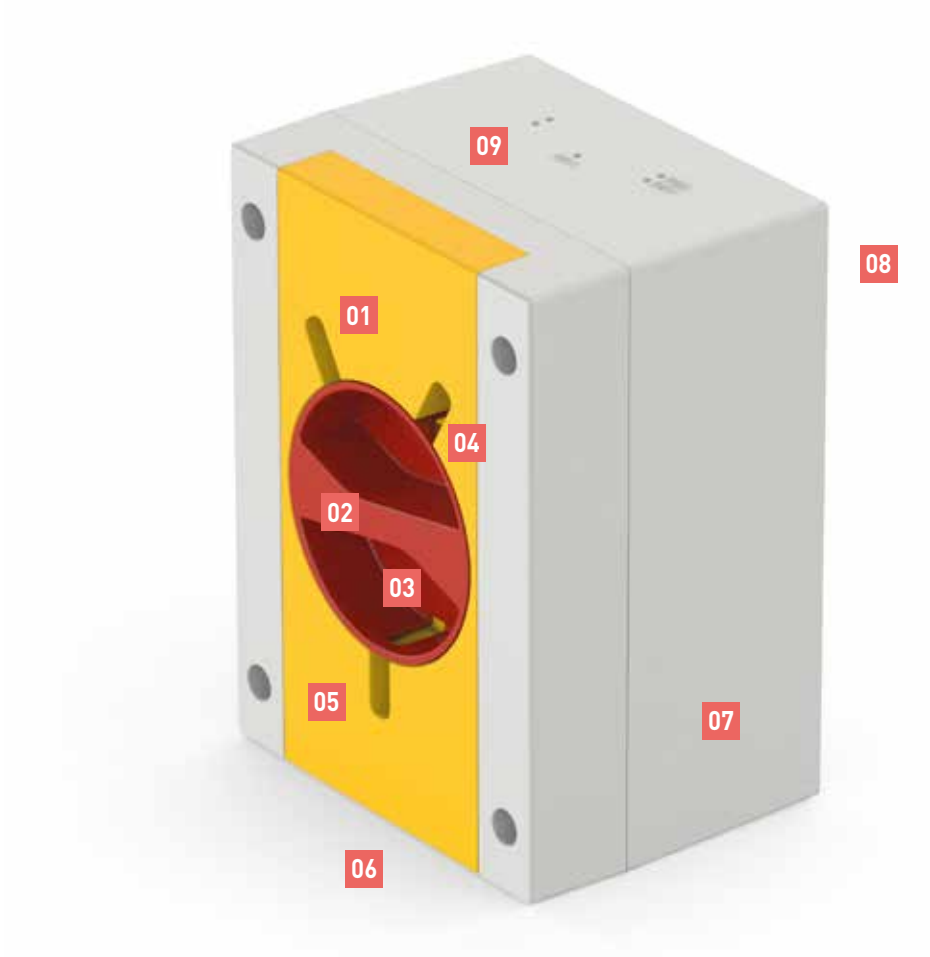
The high-visibility, fully recessed knob of extra large dimensions ensures an always optimal grip and prevents damage caused by any accidental impacts. The base is reversible with threaded inlets or drilling centers.

The large internal wiring space and the external fixing points ensure easy and error-proof installation. The EMC versions are equipped with a metal plate and EMC clips that allow to maintain the electrical continuity of the cable shielding.

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Technical information

Main characteristics



01 Door locking with handle in the ON position

02 Recessed XXL handle to prevent breakage due to accidental impacts

03 AC23 switch with the possibility of double auxiliary contact

04 Handle padlockable in the OFF (emergency use) and ON and OFF (general use) position

05 High visibility handle and plate

06 Knockout cable entries

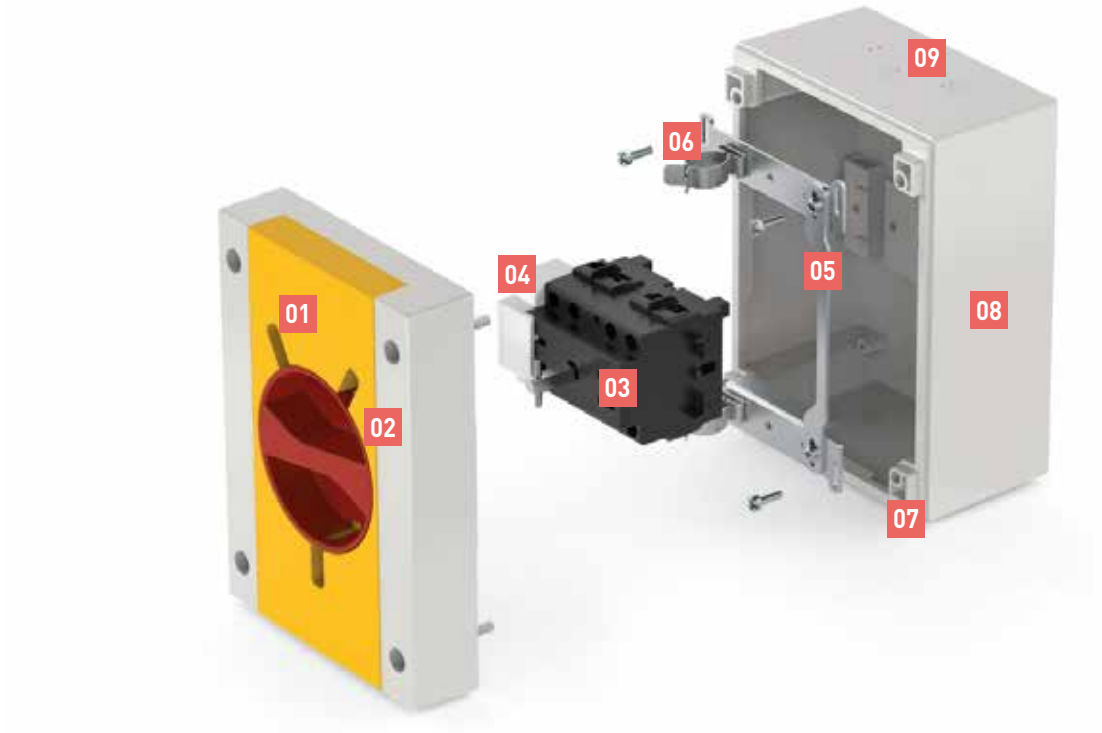
07 Reversible base

08 External and integrated fixing points

09 Blank side with drilling point marks

Technical information

Main characteristics EMC versions



EMC SHIELDING 05

The need to protect the electrical system and all the surrounding electronic devices and instruments is increasing due to the fact that starter and speed control of three-phase motors is becoming more and more common via variable frequency driver (VFD) or variable speed drives (VSD), that can cause strong EMC disturbances.
The inner switch-disconnector is equipped with early break change over auxiliary contacts (NO/NC) which send the command to switched off VFD before the main contacts of the switch open to avoid unwanted overvoltage which can damage the VFD.

01 Door locking with handle in the ON position

02 Handle padlockable in the OFF (emergency use) and ON and OFF (general use) position

03 AC23 switch with the possibility of double auxiliary contact

04 Early make auxiliary contacts

05 Continuity plate for EMC cable shielding

06 EMC clips for connecting the cable shield to the continuity plate

07 Knockout cable entries

08 Reversible base

09 Blank side with drilling point marks

Application examples



Hospital



Industry

20A÷40A OMNIA ENCLOSURE >> FOR GENERAL USE - FLUSH MOUNTING



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	2P	Y1	IP65	136x125mm		**590.GR2002**	1/12
	3P	Y1	IP65	136x125mm		**590.GR2003**	1/12
	4P	Y1	IP65	136x125mm		**590.GR2004**	1/12
	3P+N	Y1	IP65	136x125mm		**590.GR2005**	1/12
32A	2P	Y1	IP65	136x125mm		**590.GR3202**	1/12
	3P	Y1	IP65	136x125mm		**590.GR3203**	1/12
	4P	Y1	IP65	136x125mm		**590.GR3204**	1/12
	3P+N	Y1	IP65	136x125mm		**590.GR3205**	1/12
40A	2P	Y1	IP65	136x125mm		**590.GR4002**	1/12
	3P	Y1	IP65	136x125mm		**590.GR4003**	1/12
	4P	Y1	IP65	136x125mm		**590.GR4004**	1/12
	3P+N	Y1	IP65	136x125mm		**590.GR4005**	1/12

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
With panel mounting version (R) switch.

20A÷40A OMNIA ENCLOSURE >> FOR EMERGENCY USE - FLUSH MOUNTING



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	2P	Y1	IP65	136x125mm		**590.ER2002**	1/12
	3P	Y1	IP65	136x125mm		**590.ER2003**	1/12
	4P	Y1	IP65	136x125mm		**590.ER2004**	1/12
	3P+N	Y1	IP65	136x125mm		**590.ER2005**	1/12
32A	2P	Y1	IP65	136x125mm		**590.ER3202**	1/12
	3P	Y1	IP65	136x125mm		**590.ER3203**	1/12
	4P	Y1	IP65	136x125mm		**590.ER3204**	1/12
	3P+N	Y1	IP65	136x125mm		**590.ER3205**	1/12
40A	2P	Y1	IP65	136x125mm		**590.ER4002**	1/12
	3P	Y1	IP65	136x125mm		**590.ER4003**	1/12
	4P	Y1	IP65	136x125mm		**590.ER4004**	1/12
	3P+N	Y1	IP65	136x125mm		**590.ER4005**	1/12

Handle padlockable in OFF position only (3 padlocks).
With panel mounting version (R) switch.

20A÷40A OMNIA ENCLOSURE >> ACCESSORIES



Description	Dimensions	IP	Flange	Notes	Code	
FRAME	174x163x19mm	IP55	160X149MM	OMNIA 16-32A	**572.0220**	6/60

IP55 when assembled together with the relevant component.
To be used in conjunction with flush-mounted boxes.



Description	Dimensions	IP	Flange	Notes	Code	
COUPLING INSERT				OMNIA 16-32A	**572.0210**	6/60



Description	Dimensions	IP	Flange	Notes	Code	
BOX	136x125x70mm	IP67	136X125MM_PAR	16-32A	**572.0310**	6

Blank side with drilling point marks.
When joined with consumer unit (product 572.0120) [10W].
Not suitable for items 400.2416, 405.2416 and 32A fuse version.
IP67 when assembled together with the relevant component.



Description	Dimensions	IP	Flange	Notes	Code	
BOX	160x149x72mm			OMNIA 16-32A	**572.0200**	6

Complete with coupling insert.
Suitable for being walled up in buried systems.



Description	Dimensions	IP	Flange	Notes	Code	
BOX FOR PLASTERBOARD WALLS	160x149x75mm			OMNIA 16-32A	**572.0205**	6

16A÷40A >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66/IP69	160x220x115mm		**590.GE1606**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.GE1608**	1/5
20A	2P	Y1	IP66/IP69	110x150x87mm		**590.GE2012**	1/12
	3P	Y1	IP66/IP69	110x150x87mm		**590.GE2013**	1/12
	4P	Y1	IP66/IP69	110x150x87mm		**590.GE2014**	1/12
	3P+N	Y1	IP66/IP69	110x150x87mm		**590.GE2015**	1/12
	1P+SN	Y1	IP66/IP69	110x150x87mm		**590.GE2012.SN**[1)]	1/12
	3P+SN	Y1	IP66/IP69	110x150x87mm		**590.GE2015.SN**[1)]	1/12
25A	6P	Y3	IP66/IP69	160x220x115mm		**590.GE2506**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.GE2508**	1/5
32A	2P	Y1	IP66/IP69	110x150x87mm		**590.GE3212**	1/12
	3P	Y1	IP66/IP69	110x150x87mm		**590.GE3213**	1/12
	4P	Y1	IP66/IP69	110x150x87mm		**590.GE3214**	1/12
	3P+N	Y1	IP66/IP69	110x150x87mm		**590.GE3215**	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.GE3206**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.GE3208**	1/5
	1P+SN	Y1	IP66/IP69	110x150x87mm		**590.GE3212.SN**[1)]	1
	3P+SN	Y1	IP66/IP69	110x150x87mm		**590.GE3215.SN**[1)]	1
40A	2P	Y1	IP66/IP69	110x150x87mm		**590.GE4012**	1/12
	3P	Y1	IP66/IP69	110x150x87mm		**590.GE4013**	1/12
	4P	Y1	IP66/IP69	110x150x87mm		**590.GE4014**	1/12
	3P+N	Y1	IP66/IP69	110x150x87mm		**590.GE4015**	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.GE4006**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.GE4008**	1/5
	1P+SN	Y1	IP66/IP69	110x150x87mm		**590.GE4012.SN**[1)]	1
	3P+SN	Y1	IP66/IP69	110x150x87mm		**590.GE4015.SN**[1)]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.

[1)] *Unswitched neutral (solid neutral terminal block).*

16A÷40A >> FOR GENERAL USE - SPECIAL



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66/IP69	160x220x115mm		**590.EL1606**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.EL1608**	1/5
20A	2P	Y1	IP66/IP69	110x150x87mm		**590.EL2012**	1/12
	3P	Y1	IP66/IP69	110x150x87mm		**590.EL2013**	1/12
	3P+N	Y1	IP66/IP69	110x150x87mm		**590.EL2015**	1/12
	1P+SN	Y1	IP66/IP69	110x150x87mm		**590.EL2012.SN**[1)]	1/12
	3P+SN	Y1	IP66/IP69	110x150x87mm		**590.EL2015.SN**[1)]	1/12
25A	6P	Y3	IP66/IP69	160x220x115mm		**590.EL2506**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.EL2508**	1/5
32A	2P	Y1	IP66/IP69	110x150x87mm		**590.EL3212**	1/12
	3P	Y1	IP66/IP69	110x150x87mm		**590.EL3213**	1/12
	3P+N	Y1	IP66/IP69	110x150x87mm		**590.EL3215**	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.EL3206**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.EL3208**	1/5
	1P+SN	Y1	IP66/IP69	110x150x87mm		**590.EL3212.SN**[1)]	1/12
	3P+SN	Y1	IP66/IP69	110x150x87mm		**590.EL3215.SN**[1)]	1/12
40A	2P	Y1	IP66/IP69	110x150x87mm		**590.EL4012**	1/12
	3P	Y1	IP66/IP69	110x150x87mm		**590.EL4013**	1/12
	3P+N	Y1	IP66/IP69	110x150x87mm		**590.EL4015**	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.EL4006**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.EL4008**	1/5
	1P+SN	Y1	IP66/IP69	110x150x87mm		**590.EL4012.SN**[1)]	1/12
	3P+SN	Y1	IP66/IP69	110x150x87mm		**590.EL4015.SN**[1)]	1/12

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.

[1)] *Unswitched neutral (solid neutral terminal block).*

16A÷40A >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66/IP69	160x220x115mm		**590.EM1606**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.EM1608**	1/5
20A	2P	Y1	IP66/IP69	110x150x87mm		**590.EM2012**	1/12
	3P	Y1	IP66/IP69	110x150x87mm		**590.EM2013**	1/12
	4P	Y1	IP66/IP69	110x150x87mm		**590.EM2014**	1/12
	3P+N	Y1	IP66/IP69	110x150x87mm		**590.EM2015**	1/12
	1P+SN	Y1	IP66/IP69	110x150x87mm		**590.EM2012.SN**[1)]	1/12
	3P+SN	Y1	IP66/IP69	110x150x87mm		**590.EM2015.SN**[1)]	1/12
25A	6P	Y3	IP66/IP69	160x220x115mm		**590.EM2506**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.EM2508**	1/5
32A	2P	Y1	IP66/IP69	110x150x87mm		**590.EM3212**	1/12
	3P	Y1	IP66/IP69	110x150x87mm		**590.EM3213**	1/12
	4P	Y1	IP66/IP69	110x150x87mm		**590.EM3214**	1/12
	3P+N	Y1	IP66/IP69	110x150x87mm		**590.EM3215**	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.EM3206**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.EM3208**	1/5
	1P+SN	Y1	IP66/IP69	110x150x87mm		**590.EM3212.SN**[1)]	1
	3P+SN	Y1	IP66/IP69	110x150x87mm		**590.EM3215.SN**[1)]	1
40A	2P	Y1	IP66/IP69	110x150x87mm		**590.EM4012**	1/12
	3P	Y1	IP66/IP69	110x150x87mm		**590.EM4013**	1/12
	4P	Y1	IP66/IP69	110x150x87mm		**590.EM4014**	1/12
	3P+N	Y1	IP66/IP69	110x150x87mm		**590.EM4015**	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.EM4006**	1/5
	8P	Y3	IP66/IP69	160x220x115mm		**590.EM4008**	1/5
	1P+SN	Y1	IP66/IP69	110x150x87mm		**590.EM4012.SN**[1)]	1/12
	3P+SN	Y1	IP66/IP69	110x150x87mm		**590.EM4015.SN**[1)]	1

Handle padlockable in OFF position only (3 padlocks).
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.

[1)] *Unswitched neutral (solid neutral terminal block).*

63A÷160A >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
63A	2P	Y2	IP66/IP69	160x220x115mm		**590.GE6302** [1) 2) 3)]	1/5
	3P	Y2	IP66/IP69	160x220x115mm		**590.GE6303** [1) 2) 3)]	1/5
	4P	Y2	IP66/IP69	160x220x115mm		**590.GE6304** [1) 2) 3)]	1/5
	3P+N	Y2	IP66/IP69	160x220x115mm		**590.GE6305** [1) 2) 3)]	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.GE6306** [1) 2) 3)]	1
	8P	Y4	IP66/IP69	240x340x137mm		**590.GE6308** [1) 2) 3)]	1
	1P+SN	Y2	IP66/IP69	160x220x115mm		**590.GE6302.SN** [1) 2) 3) 4)]	1
	3P+SN	Y2	IP66/IP69	160x220x115mm		**590.GE6305.SN** [1) 2) 3) 4)]	1
80A	2P	Y2	IP66/IP69	160x220x115mm		**590.GE8002** [1) 2) 3)]	1/5
	3P	Y2	IP66/IP69	160x220x115mm		**590.GE8003** [1) 2) 3)]	1/5
	4P	Y2	IP66/IP69	160x220x115mm		**590.GE8004** [1) 2) 3)]	1/5
	3P+N	Y2	IP66/IP69	160x220x115mm		**590.GE8005** [1) 2) 3)]	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.GE8006** [1) 2) 3)]	1
	8P	Y4	IP66/IP69	240x340x137mm		**590.GE8008** [1) 2) 3)]	1
	1P+SN	Y2	IP66/IP69	160x220x115mm		**590.GE8002.SN** [1) 2) 3) 4)]	1
	3P+SN	Y2	IP66/IP69	160x220x115mm		**590.GE8005.SN** [1) 2) 3) 4)]	1
100A	3P	Y4	IP66/IP69	160x220x115mm		**590.GE10003** [1) 2) 3)]	1/5
	3P+N	Y4	IP66/IP69	160x220x115mm		**590.GE10005** [1) 2) 3)]	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.GE10006** [1) 2) 3)]	1
	8P	Y4	IP66/IP69	240x340x137mm		**590.GE10008** [1) 2) 3)]	1
	3P+SN	Y4	IP66/IP69	160x220x115mm		**590.GE10005.SN** [1) 2) 3) 4)]	1/5
125A	3P	Y5	IP66/IP69	240x340x137mm		**590.GE12503** [1) 2) 3)]	1
	3P+N	Y5	IP66/IP69	240x340x137mm		**590.GE12505** [1) 2) 3)]	1
	6P	Y5	IP55	308x388x128mm		**590.GE12506** [5)]	1
	8P	Y5	IP55	308x388x128mm		**590.GE12508** [5)]	1
	3P+SN	Y5	IP66/IP69	240x340x137mm		**590.GE12505.SN** [1) 2) 3) 4)]	1
160A	3P	Y5	IP66/IP69	240x340x137mm		**590.GE16003** [1) 2) 3)]	1
	3P+N	Y5	IP66/IP69	240x340x137mm		**590.GE16005** [1) 2) 3)]	1
	6P	Y5	IP55	308x388x128mm		**590.GE16006** [5)]	1
	8P	Y5	IP55	308x388x128mm		**590.GE16008** [5)]	1
	3P+SN	Y5	IP66/IP69	240x340x137mm		**590.GE16005.SN** [1) 2) 3) 4)]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

[1)] *Blank side with drilling point marks on top side base.*
[2)] *Break-through cable entries on bottom side base.*
[3)] *Reversible base.*
[4)] *Unswitched neutral (solid neutral terminal block).*
[5)] *Blank sides.*

63A÷160A >> FOR GENERAL USE - SPECIAL



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
63A	2P	Y2	IP66/IP69	160x220x115mm		**590.EL6302**	1/5
	3P	Y2	IP66/IP69	160x220x115mm		**590.EL6303**	1/5
	3P+N	Y2	IP66/IP69	160x220x115mm		**590.EL6305**	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.EL6306**	1
	8P	Y4	IP66/IP69	240x340x137mm		**590.EL6308**	1
	1P+SN	Y2	IP66/IP69	160x220x115mm		**590.EL6302.SN** [1)]	1/5
	3P+SN	Y2	IP66/IP69	160x220x115mm		**590.EL6305.SN** [1)]	1/5
80A	2P	Y2	IP66/IP69	160x220x115mm		**590.EL8002**	1/5
	3P	Y2	IP66/IP69	160x220x115mm		**590.EL8003**	1/5
	3P+N	Y2	IP66/IP69	160x220x115mm		**590.EL8005**	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.EL8006**	1
	8P	Y4	IP66/IP69	240x340x137mm		**590.EL8008**	1
	1P+SN	Y2	IP66/IP69	160x220x115mm		**590.EL8002.SN** [1)]	1
	3P+SN	Y2	IP66/IP69	160x220x115mm		**590.EL8005.SN** [1)]	1/5
100A	3P	Y4	IP66/IP69	160x220x115mm		**590.EL10003**	1/5
	3P+N	Y4	IP66/IP69	160x220x115mm		**590.EL10005**	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.EL10006**	1
	8P	Y4	IP66/IP69	240x340x137mm		**590.EL10008**	1
	3P+SN	Y4	IP66/IP69	160x220x115mm		**590.EL10005.SN** [1)]	1
125A	3P	Y5	IP66/IP69	240x340x137mm		**590.EL12503**	1
	3P+N	Y5	IP66/IP69	240x340x137mm		**590.EL12505**	1
	3P+SN	Y5	IP66/IP69	240x340x137mm		**590.EL12505.SN** [1)]	1
160A	3P	Y5	IP66/IP69	240x340x137mm		**590.EL16003**	1
	3P+N	Y5	IP66/IP69	240x340x137mm		**590.EL16005**	1
	3P+SN	Y5	IP66/IP69	240x340x137mm		**590.EL16005.SN** [1)]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.

[1)] *Unswitched neutral (solid neutral terminal block).*

63A÷160A >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
63A	2P	Y2	IP66/IP69	160x220x115mm		**590.EM6302** [1) 2) 3)]	1/5
	3P	Y2	IP66/IP69	160x220x115mm		**590.EM6303** [1) 2) 3)]	1/5
	4P	Y2	IP66/IP69	160x220x115mm		**590.EM6304** [1) 2) 3)]	1/5
	3P+N	Y2	IP66/IP69	160x220x115mm		**590.EM6305** [1) 2) 3)]	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.EM6306** [1) 2) 3)]	1
	8P	Y4	IP66/IP69	240x340x137mm		**590.EM6308** [1) 2) 3)]	1
	1P+SN	Y2	IP66/IP69	160x220x115mm		**590.EM6302.SN** [1) 2) 3) 4)]	1
	3P+SN	Y2	IP66/IP69	160x220x115mm		**590.EM6305.SN** [1) 2) 3) 4)]	1
80A	2P	Y2	IP66/IP69	160x220x115mm		**590.EM8002** [1) 2) 3)]	1/5
	3P	Y2	IP66/IP69	160x220x115mm		**590.EM8003** [1) 2) 3)]	1/5
	4P	Y2	IP66/IP69	160x220x115mm		**590.EM8004** [1) 2) 3)]	1/5
	3P+N	Y2	IP66/IP69	160x220x115mm		**590.EM8005** [1) 2) 3)]	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.EM8006** [1) 2) 3)]	1
	8P	Y4	IP66/IP69	240x340x137mm		**590.EM8008** [1) 2) 3)]	1
	1P+SN	Y2	IP66/IP69	160x220x115mm		**590.EM8002.SN** [1) 2) 3) 4)]	1
	3P+SN	Y2	IP66/IP69	160x220x115mm		**590.EM8005.SN** [1) 2) 3) 4)]	1
100A	3P	Y4	IP66/IP69	160x220x115mm		**590.EM10003** [1) 2) 3)]	1/5
	3P+N	Y4	IP66/IP69	160x220x115mm		**590.EM10005** [1) 2) 3)]	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.EM10006** [1) 2) 3)]	1
	8P	Y4	IP66/IP69	240x340x137mm		**590.EM10008** [1) 2) 3)]	1
	3P+SN	Y4	IP66/IP69	160x220x115mm		**590.EM10005.SN** [1) 2) 3) 4)]	1
125A	3P	Y5	IP66/IP69	240x340x137mm		**590.EM12503** [1) 2) 3)]	1
	3P+N	Y5	IP66/IP69	240x340x137mm		**590.EM12505** [1) 2) 3)]	1
	6P	Y5	IP55	308x388x128mm		**590.EM12506** [5)]	1
	8P	Y5	IP55	308x388x128mm		**590.EM12508** [5)]	1
	3P+SN	Y5	IP66/IP69	240x340x137mm		**590.EM12505.SN** [1) 2) 3) 4)]	1
160A	3P	Y5	IP66/IP69	240x340x137mm		**590.EM16003** [1) 2) 3)]	1
	3P+N	Y5	IP66/IP69	240x340x137mm		**590.EM16005** [1) 2) 3)]	1
	6P	Y5	IP55	308x388x128mm		**590.EM16006** [5)]	1
	8P	Y5	IP55	308x388x128mm		**590.EM16008** [5)]	1
	3P+SN	Y5	IP66/IP69	240x340x137mm		**590.EM16005.SN** [1) 2) 3) 4)]	1

Handle padlockable in OFF position only (3 padlocks).

[1)] *Blank side with drilling point marks on top side base.*
[2)] *Break-through cable entries on bottom side base.*
[3)] *Reversible base.*
[4)] *Unswitched neutral (solid neutral terminal block).*
[5)] *Blank sides.*

160A÷250A >> FOR GENERAL USE - HIGH RATINGS



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
160A	3P	K2	IP65	460x520x245mm		**590.GE16013**	1
	3P+N	K2	IP65	460x520x245mm		**590.GE16015**	1
	3P+SN	K2	IP65	460x520x245mm		**590.GE16015.SN** [1)]	1
200A	3P	K2	IP65	460x520x245mm		**590.GE20003**	1
	3P+N	K2	IP65	460x520x245mm		**590.GE20005**	1
	3P+SN	K2	IP65	460x520x245mm		**590.GE20005.SN** [1)]	1
250A	3P	K2	IP65	460x520x245mm		**590.GE25003**	1
	3P+N	K2	IP65	460x520x245mm		**590.GE25005**	1
	3P+SN	K2	IP65	460x520x245mm		**590.GE25005.SN** [1)]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank sides.

[1)] *Unswitched neutral (solid neutral terminal block).*

160A÷250A >> FOR EMERGENCY USE - HIGH RATINGS



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
160A	3P	K2	IP65	460x520x245mm		**590.EM16013**	1
	3P+N	K2	IP65	460x520x245mm		**590.EM16015**	1
	3P+SN	K2	IP65	460x520x245mm		**590.EM16015.SN**[1)]	1
200A	3P	K2	IP65	460x520x245mm		**590.EM20003**	1
	3P+N	K2	IP65	460x520x245mm		**590.EM20005**	1
	3P+SN	K2	IP65	460x520x245mm		**590.EM20005.SN**[1)]	1
250A	3P	K2	IP65	460x520x245mm		**590.EM25003**	1
	3P+N	K2	IP65	460x520x245mm		**590.EM25005**	1
	3P+SN	K2	IP65	460x520x245mm		**590.EM25005.SN**[1)]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank sides.

[1)] *Unswitched neutral (solid neutral terminal block).*

100A HIGH WIRING CAPACITY >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
100A	3P	Y4	IP66/IP69	240x340x137mm		**590.GE10003.W**	1
	3P+N	Y4	IP66/IP69	240x340x137mm		**590.GE10005.W**	1
	3P+SN	Y4	IP66/IP69	240x340x137mm		**590.GE10005.WSN**[1)]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.

[1)] *Unswitched neutral (solid neutral terminal block).*

100A HIGH WIRING CAPACITY >> FOR GENERAL USE - SPECIAL



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
100A	3P	Y4	IP66/IP69	240x340x137mm		**590.EL10003.W**	1
	3P+N	Y4	IP66/IP69	240x340x137mm		**590.EL10005.W**	1
	3P+SN	Y4	IP66/IP69	240x340x137mm		**590.EL10005.WSN**[1)]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.

[1)] *Unswitched neutral (solid neutral terminal block).*

100A HIGH WIRING CAPACITY >> FOR EMERGENCY USE



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
100A	3P	Y4	IP66/IP69	240x340x137mm		**590.EM10003.W**	1
	3P+N	Y4	IP66/IP69	240x340x137mm		**590.EM10005.W**	1
	3P+SN	Y4	IP66/IP69	240x340x137mm		**590.EM10005.WSN**[1)]	1

Handle padlockable in OFF position only (3 padlocks).
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.

[1)] *Unswitched neutral (solid neutral terminal block).*

Type: EMERGENCY

1P+SN >> FOR GENERAL USE



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	1P+SN	Y01	IP65	82x120x69mm		**590.GE2022.SN**	12
32A	1P+SN	Y01	IP65	82x120x69mm		**590.GE3222.SN**	12
40A	1P+SN	Y01	IP65	82x120x69mm		**590.GE4022.SN**	12

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Unswitched neutral (solid neutral terminal block).
Break-through cable entries.
Suitable to switch single phase motor loads or other inductive loads.

Type: GENERAL

1P+SN >> FOR GENERAL USE - SPECIAL



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	1P+SN	Y01	IP65	82x120x69mm		**590.EL2022.SN**	1
32A	1P+SN	Y01	IP65	82x120x69mm		**590.EL3222.SN**	1
40A	1P+SN	Y01	IP65	82x120x69mm		**590.EL4022.SN**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Unswitched neutral (solid neutral terminal block).
Break-through cable entries.
Suitable to switch single phase motor loads or other inductive loads.

Type: GENERAL

1P+SN >> FOR EMERGENCY USE



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	1P+SN	Y01	IP65	82x120x69mm		**590.EM2022.SN**	1
32A	1P+SN	Y01	IP65	82x120x69mm		**590.EM3222.SN**	1
40A	1P+SN	Y01	IP65	82x120x69mm		**590.EM4022.SN**	1

Handle padlockable in OFF position only (3 padlocks).
Unswitched neutral (solid neutral terminal block).
Break-through cable entries.
Suitable to switch single phase motor loads or other inductive loads.

Type: EMERGENCY

EMC >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66/IP69	160x220x115mm		**590.CGE1606** 1) 2) 3)	1/5
20A	3P	Y1	IP66/IP69	110x150x87mm		**590.CGE2013** 1) 2) 3)	1/12
25A	6P	Y3	IP66/IP69	160x220x115mm		**590.CGE2506** 1) 2) 3)	1/5
32A	3P	Y1	IP66/IP69	110x150x87mm		**590.CGE3213** 1) 2) 3)	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.CGE3206** 1) 2) 3)	1/5
40A	3P	Y1	IP66/IP69	110x150x87mm		**590.CGE4013** 1) 2) 3)	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.CGE4006** 1) 2) 3)	1/5
63A	3P	Y2	IP66/IP69	160x220x115mm		**590.CGE6303** 1) 2) 3)	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.CGE6306** 1) 2) 3)	1
80A	3P	Y2	IP66/IP69	160x220x115mm		**590.CGE8003** 1) 2) 3)	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.CGE8006** 1) 2) 3)	1
100A	3P	Y4	IP66/IP69	160x220x115mm		**590.CGE10003** 1) 2) 3)	1/5
	3P	Y4	IP66/IP69	240x340x137mm		**590.CGE10003.W** 1) 2) 3)	1
	6P	Y4	IP55	308x338x128mm		**590.CGE10006** 1) 2) 3)	1
125A	3P	Y5	IP66/IP69	240x340x137mm		**590.CGE12503** 1) 2) 3)	1
	6P	Y5	IP55	308x388x128mm		**590.CGE12506** 4)	1
160A	3P	Y5	IP66/IP69	240x340x137mm		**590.CGE16003** 1) 2) 3)	1
	6P	Y5	IP55	308x388x128mm		**590.CGE16006** 4)	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
EMC (Electromagnetic Compatibility) compliant connection.

1) *Blank side with drilling point marks on top side base.*
2) *Break-through cable entries on bottom side base.*
3) *Reversible base.*
4) *Blank sides.*

EMC >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66/IP69	160x220x115mm		**590.CEM1606** [1) 2) 3)]	1/5
20A	3P	Y1	IP66/IP69	110x150x87mm		**590.CEM2013** [1) 2) 3)]	1/12
25A	6P	Y3	IP66/IP69	160x220x115mm		**590.CEM2506** [1) 2) 3)]	1/5
32A	3P	Y1	IP66/IP69	110x150x87mm		**590.CEM3213** [1) 2) 3)]	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.CEM3206** [1) 2) 3)]	1/5
40A	3P	Y1	IP66/IP69	110x150x87mm		**590.CEM4013** [1) 2) 3)]	1/12
	6P	Y3	IP66/IP69	160x220x115mm		**590.CEM4006** [1) 2) 3)]	1/5
63A	3P	Y2	IP66/IP69	160x220x115mm		**590.CEM6303** [1) 2) 3)]	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.CEM6306** [1) 2) 3)]	1
80A	3P	Y2	IP66/IP69	160x220x115mm		**590.CEM8003** [1) 2) 3)]	1/5
	6P	Y4	IP66/IP69	240x340x137mm		**590.CEM8006** [1) 2) 3)]	1
100A	3P	Y4	IP66/IP69	160x220x115mm		**590.CEM10003** [1) 2) 3)]	1/5
	3P	Y4	IP66/IP69	240x340x137mm		**590.CEM10003.W** [1) 2) 3)]	1
	6P	Y4	IP55	308x338x128mm		**590.CEM10006** [1) 2) 3)]	1
125A	3P	Y5	IP66/IP69	240x340x137mm		**590.CEM12503** [1) 2) 3)]	1
	6P	Y5	IP55	308x388x128mm		**590.CEM12506** [4)]	1
160A	3P	Y5	IP66/IP69	240x340x137mm		**590.CEM16003** [1) 2) 3)]	1
	6P	Y5	IP55	308x388x128mm		**590.CEM16006** [4)]	1

Handle padlockable in OFF position only (3 padlocks).
EMC (Electromagnetic Compatibility) compliant connection.

[1)] *Blank side with drilling point marks on top side base.*
[2)] *Break-through cable entries on bottom side base.*
[3)] *Reversible base.*
[4)] *Blank sides.*



ISOLATORS-HD Series

ISOLATORS-HD is a complete range of switch-disconnectors with enclosure made of a special shockproof and self-extinguishing thermoplastic material which guarantees extreme resistance to impact (IK10), heat and fire (GW 960°C as required by EN 60695-2-1), as well as atmospheric agents (from -40°C to + 60°C).

For this reason, the ISOLATORS-HD are particularly suitable for applications in harsh environments as an alternative to the metal casing.

technical sheet **p. 810**

Technical information

Main characteristics



- 01 High visibility handle and plate
- 02 Door locking with handle in the ON position
- 03 Handle padlockable in the OFF (emergency use) and ON and OFF (general use) position
- 04 AC23 switch with the possibility of double auxiliary contact
- 05 High-resistance engineering plastic enclosure
- 06 External fixing points
- 07 Blank sides with drilling point marks

Application examples



Heavy industry



Port - Container terminal

FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	2P	Y1	IP66	115x190x128mm		**590.JGE2002**	1/12
	3P	Y1	IP66	115x190x128mm		**590.JGE2003**	1/12
	3P+N	Y1	IP66	115x190x128mm		**590.JGE2005**	1/12
32A	2P	Y1	IP66	115x190x128mm		**590.JGE3202**	1/12
	3P	Y1	IP66	115x190x128mm		**590.JGE3203**	1/12
	3P+N	Y1	IP66	115x190x128mm		**590.JGE3205**	1/12
40A	2P	Y1	IP66	115x190x128mm		**590.JGE4002**	1/12
	3P	Y1	IP66	115x190x128mm		**590.JGE4003**	1/12
	3P+N	Y1	IP66	115x190x128mm		**590.JGE4005**	1/12

Blank side with drilling point marks.
Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	2P	Y1	IP66	115x190x128mm		**590.JEM2002**	1/12
	3P	Y1	IP66	115x190x128mm		**590.JEM2003**	1/12
	3P+N	Y1	IP66	115x190x128mm		**590.JEM2005**	1/12
32A	2P	Y1	IP66	115x190x128mm		**590.JEM3202**	1/12
	3P	Y1	IP66	115x190x128mm		**590.JEM3203**	1/12
	3P+N	Y1	IP66	115x190x128mm		**590.JEM3205**	1/12
40A	2P	Y1	IP66	115x190x128mm		**590.JEM4002**	1/12
	3P	Y1	IP66	115x190x128mm		**590.JEM4003**	1/12
	3P+N	Y1	IP66	115x190x128mm		**590.JEM4005**	1/12

Blank side with drilling point marks.
Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.



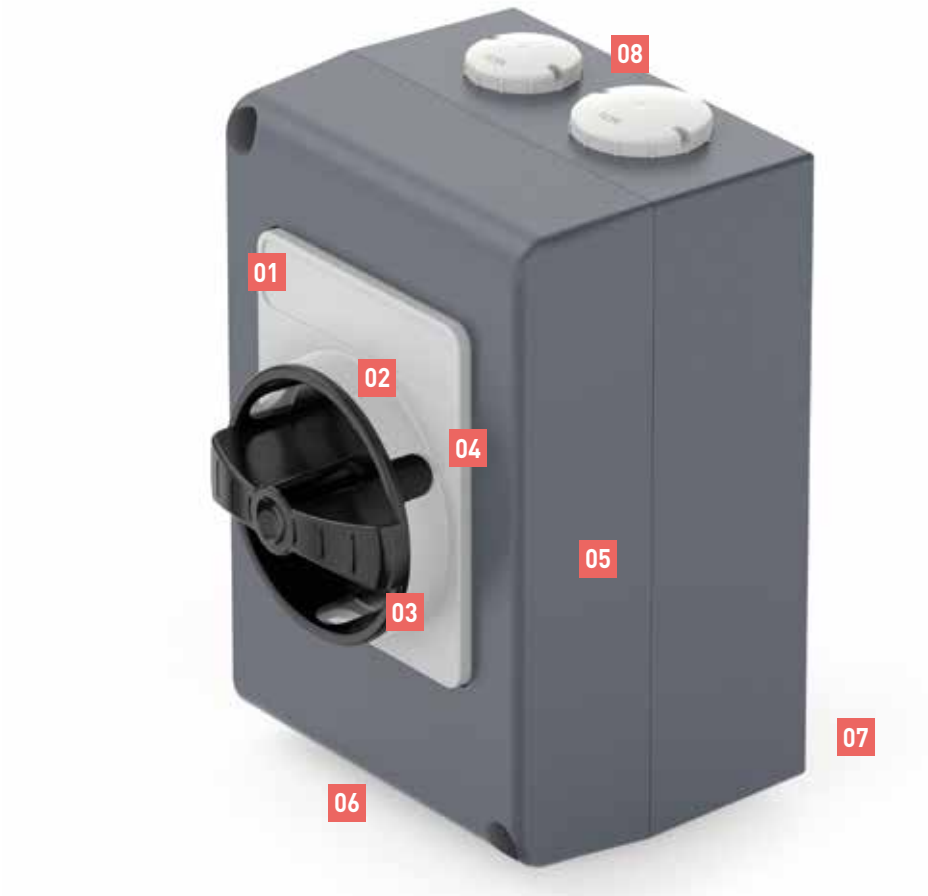
ISOLATORS-AL Series

ISOLATORS-AL is a complete range of switch-disconnectors with die-cast aluminum enclosure protected with polyurethane epoxy paints. For this reason, it is particularly suitable for applications where high resistance to chemicals, humidity and dust (IP66) is required, as well as maximum mechanical resistance to stress (IK10).

technical sheet **p. 792**

Technical information

Main characteristics



01 High visibility handle and plate

02 Door locking with handle in the ON position

03 AC23 switch with the possibility of double auxiliary contact

04 Handle padlockable in the OFF (emergency use) and ON and OFF (general use) position

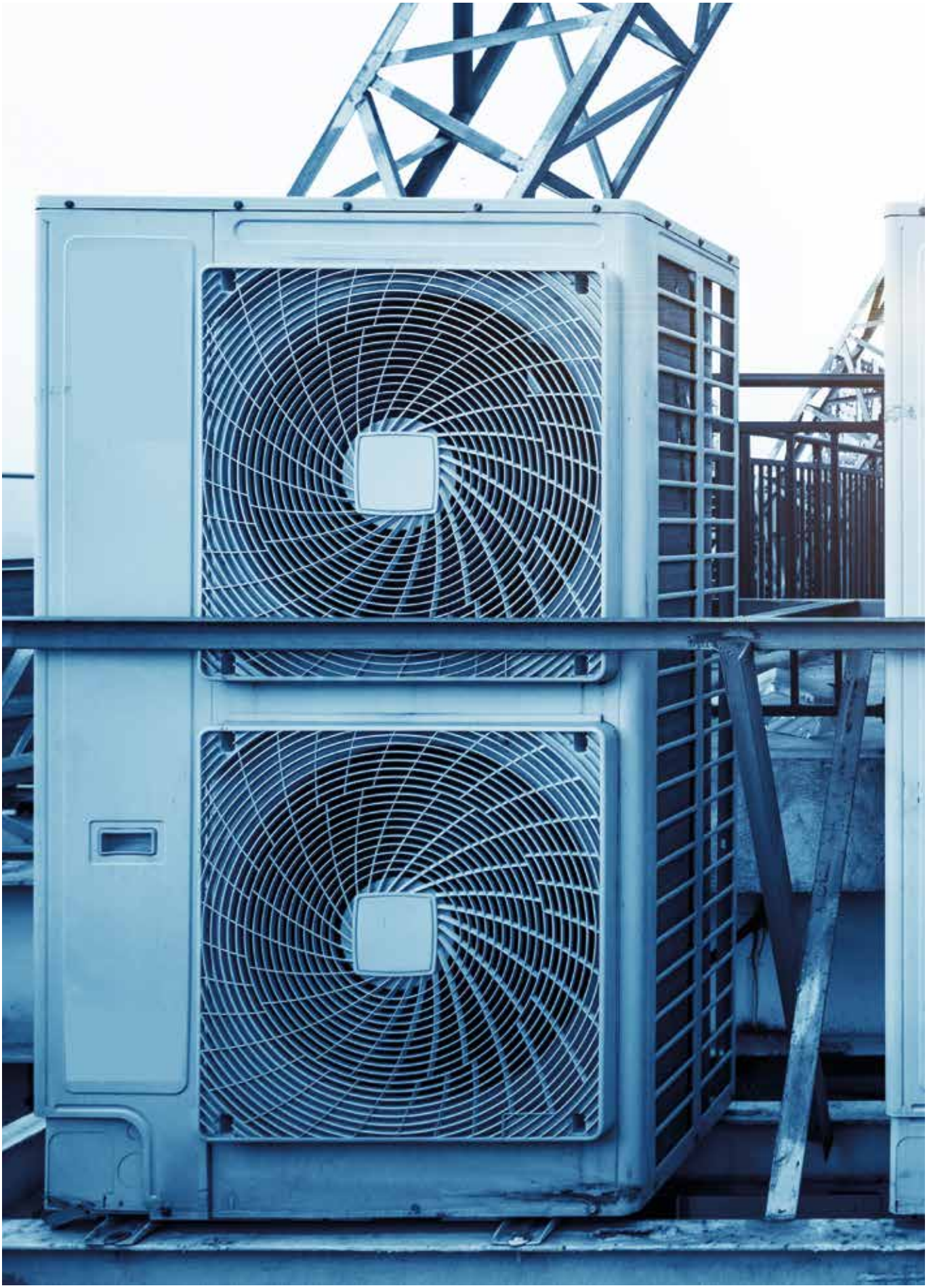
05 Aluminium epoxy polyurethane painted enclosure with high resistance to atmospheric agents

06 Open threaded cable entries with IP66 caps

07 External and integrated fixing points

08 Open threaded cable entries with IP66 caps

Applications examples



16A÷40A >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66	150x210x107mm		**590.HGE1606** 2)	1/5
	8P	Y3	IP66	150x210x107mm		**590.HGE1608** 2)	1/5
20A	2P	Y1	IP66	105x150x82mm		**590.HGE2002** 3)	1/12
	3P	Y1	IP66	105x150x82mm		**590.HGE2003** 3)	1/12
	4P	Y1	IP66	105x150x82mm		**590.HGE2004** 3)	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.HGE2005** 3)	1/12
	1P+SN	Y01	IP66	105x150x82mm		**590.HGE2022.SN** 1) 3)	1
	1P+SN	Y1	IP66	105x150x82mm		**590.HGE2002.SN** 1) 3)	1/12
	3P+SN	Y1	IP66	105x150x82mm		**590.HGE2005.SN** 1) 3)	1/12
25A	6P	Y3	IP66	150x210x107mm		**590.HGE2506** 2)	1/5
	8P	Y3	IP66	150x210x107mm		**590.HGE2508** 2)	1/5
32A	2P	Y1	IP66	105x150x82mm		**590.HGE3202** 3)	1/12
	3P	Y1	IP66	105x150x82mm		**590.HGE3203** 3)	1/12
	4P	Y1	IP66	105x150x82mm		**590.HGE3204** 3)	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.HGE3205** 3)	1/12
	6P	Y3	IP66	150x210x107mm		**590.HGE3206** 2)	1/5
	8P	Y3	IP66	150x210x107mm		**590.HGE3208** 2)	1/5
	1P+SN	Y01	IP66	105x150x82mm		**590.HGE3222.SN** 1) 3)	1
	1P+SN	Y1	IP66	105x150x82mm		**590.HGE3202.SN** 1) 3)	1/12
	3P+SN	Y1	IP66	105x150x82mm		**590.HGE3205.SN** 1) 3)	1/12
40A	2P	Y1	IP66	105x150x82mm		**590.HGE4002** 3)	1/12
	3P	Y1	IP66	105x150x82mm		**590.HGE4003** 3)	1/12
	4P	Y1	IP66	105x150x82mm		**590.HGE4004** 3)	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.HGE4005** 3)	1/12
	6P	Y3	IP66	150x210x107mm		**590.HGE4006** 2)	1/5
	8P	Y3	IP66	150x210x107mm		**590.HGE4008** 2)	1/5
	1P+SN	Y01	IP66	105x150x82mm		**590.HGE4022.SN** 1) 3)	1
	1P+SN	Y1	IP66	105x150x82mm		**590.HGE4002.SN** 1) 3)	1
	3P+SN	Y1	IP66	105x150x82mm		**590.HGE4005.SN** 1) 3)	1/12

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

1) *Unswitched neutral (solid neutral terminal block).*
2) *Blank sides.*
3) *Open threaded cable entry with cap / cable sleeve.*

16A÷40A >> FOR GENERAL USE - SPECIAL



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	1P+SN	Y01	IP66	105x150x82mm		**590.HEL2022.SN** [1) 3)]	1
32A	1P+SN	Y01	IP66	105x150x82mm		**590.HEL3222.SN** [1) 3)]	1/12
40A	1P+SN	Y01	IP66	105x150x82mm		**590.HEL4022.SN** [1) 3)]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

[1)] *Unswitched neutral (solid neutral terminal block).*
[2)] *Blank sides.*
[3)] *Open threaded cable entry with cap / cable sleeve.*



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66	150x210x107mm		**590.HEL1606** [2)]	1/5
	8P	Y3	IP66	150x210x107mm		**590.HEL1608** [2)]	1/5
20A	2P	Y1	IP66	105x150x82mm		**590.HEL2002** [3)]	1/12
	3P	Y1	IP66	105x150x82mm		**590.HEL2003** [3)]	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.HEL2005** [3)]	1/12
25A	6P	Y3	IP66	150x210x107mm		**590.HEL2506** [2)]	1/5
	8P	Y3	IP66	150x210x107mm		**590.HEL2508** [2)]	1/5
32A	2P	Y1	IP66	105x150x82mm		**590.HEL3202** [3)]	1/12
	3P	Y1	IP66	105x150x82mm		**590.HEL3203** [3)]	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.HEL3205** [3)]	1/12
	6P	Y3	IP66	150x210x107mm		**590.HEL3206** [2)]	1/5
	8P	Y3	IP66	150x210x107mm		**590.HEL3208** [2)]	1/5
40A	2P	Y1	IP66	105x150x82mm		**590.HEL4002** [3)]	1/12
	3P	Y1	IP66	105x150x82mm		**590.HEL4003** [3)]	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.HEL4005** [3)]	1/12
	6P	Y3	IP66	150x210x107mm		**590.HEL4006** [2)]	1/5
	8P	Y3	IP66	150x210x107mm		**590.HEL4008** [2)]	1/5

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

[1)] *Unswitched neutral (solid neutral terminal block).*
[2)] *Blank sides.*
[3)] *Open threaded cable entry with cap / cable sleeve.*

16A÷40A >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	2P	Y1	IP66/IP69	106x171x92mm		**590.HGE2012**	1/12
	3P	Y1	IP66/IP69	106x171x92mm		**590.HGE2013**	1
	3P+N	Y1	IP66/IP69	106x171x92mm		**590.HGE2015**	1/12
32A	2P	Y1	IP66/IP69	106x171x92mm		**590.HGE3212**	1/12
	3P	Y1	IP66/IP69	106x171x92mm		**590.HGE3213**	1/12
	3P+N	Y1	IP66/IP69	106x171x92mm		**590.HGE3215**	1/12
40A	2P	Y1	IP66/IP69	106x171x92mm		**590.HGE4012**	1
	3P	Y1	IP66/IP69	106x171x92mm		**590.HGE4013**	1
	3P+N	Y1	IP66/IP69	106x171x92mm		**590.HGE4015**	1/12

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Open threaded cable entry with cap / cable sleeve.

16A÷40A >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66	150x210x107mm		**590.HEM1606** [2]	1/5
	8P	Y3	IP66	150x210x107mm		**590.HEM1608** [2]	1/5
20A	2P	Y1	IP66	105x150x82mm		**590.HEM2002** [3]	1/12
	3P	Y1	IP66	105x150x82mm		**590.HEM2003** [3]	1/12
	4P	Y1	IP66	105x150x82mm		**590.HEM2004** [3]	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.HEM2005** [3]	1/12
	1P+SN	Y01	IP66	105x150x82mm		**590.HEM2022.SN** [1] [3]	1
	1P+SN	Y1	IP66	105x150x82mm		**590.HEM2002.SN** [1] [3]	1
	3P+SN	Y1	IP66	105x150x82mm		**590.HEM2005.SN** [1] [3]	1
25A	6P	Y3	IP66	150x210x107mm		**590.HEM2506** [2]	1/5
	8P	Y3	IP66	150x210x107mm		**590.HEM2508** [2]	1/5
32A	2P	Y1	IP66	105x150x82mm		**590.HEM3202** [3]	1/12
	3P	Y1	IP66	105x150x82mm		**590.HEM3203** [3]	1/12
	4P	Y1	IP66	105x150x82mm		**590.HEM3204** [3]	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.HEM3205** [3]	1/12
	6P	Y3	IP66	150x210x107mm		**590.HEM3206** [2]	1/5
	8P	Y3	IP66	150x210x107mm		**590.HEM3208** [2]	1/5
	1P+SN	Y01	IP66	105x150x82mm		**590.HEM3222.SN** [1] [3]	1
	1P+SN	Y1	IP66	105x150x82mm		**590.HEM3202.SN** [1] [3]	1
	3P+SN	Y1	IP66	105x150x82mm		**590.HEM3205.SN** [1] [3]	1/12
40A	2P	Y1	IP66	105x150x82mm		**590.HEM4002** [3]	1/12
	3P	Y1	IP66	105x150x82mm		**590.HEM4003** [3]	1/12
	4P	Y1	IP66	105x150x82mm		**590.HEM4004** [3]	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.HEM4005** [3]	1/12
	6P	Y3	IP66	150x210x107mm		**590.HEM4006** [2]	1/5
	8P	Y3	IP66	150x210x107mm		**590.HEM4008** [2]	1/5
	1P+SN	Y01	IP66	105x150x82mm		**590.HEM4022.SN** [1] [3]	1
	1P+SN	Y1	IP66	105x150x82mm		**590.HEM4002.SN** [1] [3]	1
	3P+SN	Y1	IP66	105x150x82mm		**590.HEM4005.SN** [1] [3]	1

Handle padlockable in OFF position only (3 padlocks).

[1] *Unswitched neutral (solid neutral terminal block).*
[2] *Blank sides.*
[3] *Open threaded cable entry with cap / cable sleeve.*

63A÷160A >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
63A	2P	Y2	IP66	150x210x107mm		**590.HGE6302** 3)	1/5
	3P	Y2	IP66	150x210x107mm		**590.HGE6303** 3)	1/5
	4P	Y2	IP66	150x210x107mm		**590.HGE6304** 3)	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.HGE6305** 3)	1/5
	6P	Y4	IP65	264x315x122mm		**590.HGE6306** 2)	1
	8P	Y4	IP65	264x315x122mm		**590.HGE6308** 2)	1
	1P+SN	Y2	IP66	150x210x107mm		**590.HGE6302.SN** 1) 3)	1/5
	3P+SN	Y2	IP66	150x210x107mm		**590.HGE6305.SN** 1) 3)	1/5
80A	2P	Y2	IP66	150x210x107mm		**590.HGE8002** 3)	1/5
	3P	Y2	IP66	150x210x107mm		**590.HGE8003** 3)	1/5
	4P	Y2	IP66	150x210x107mm		**590.HGE8004** 3)	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.HGE8005** 3)	1/5
	6P	Y4	IP65	264x315x122mm		**590.HGE8006** 2)	1
	8P	Y4	IP65	264x315x122mm		**590.HGE8008** 2)	1
	1P+SN	Y2	IP66	150x210x107mm		**590.HGE8002.SN** 1) 3)	1
	3P+SN	Y2	IP66	150x210x107mm		**590.HGE8005.SN** 1) 3)	1
100A	3P	Y4	IP66	150x210x107mm		**590.HGE10003** 3)	1/5
	3P+N	Y4	IP66	150x210x107mm		**590.HGE10005** 3)	1/5
	6P	Y4	IP65	264x315x122mm		**590.HGE10006** 2)	1
	8P	Y4	IP65	264x315x122mm		**590.HGE10008** 2)	1
	3P+SN	Y4	IP66	150x210x107mm		**590.HGE10005.SN** 1) 3)	1/5
125A	3P	Y5	IP65	264x315x122mm		**590.HGE12503** 2)	1
	3P+N	Y5	IP65	264x315x122mm		**590.HGE12505** 2)	1
	6P	Y5	IP65	315x410x150mm		**590.HGE12506** 2)	1
	8P	Y5	IP65	315x410x150mm		**590.HGE12508** 2)	1
	3P+SN	Y5	IP65	264x315x122mm		**590.HGE12505.SN** 1) 2)	1
160A	3P	Y5	IP65	315x410x150mm		**590.HGE16003** 2)	1
	3P+N	Y5	IP65	315x410x150mm		**590.HGE16005** 2)	1
	6P	Y5	IP65	315x410x150mm		**590.HGE16006** 2)	1
	8P	Y5	IP65	315x410x150mm		**590.HGE16008** 2)	1
	3P+SN	Y5	IP65	315x410x150mm		**590.HGE16005.SN** 1) 2)	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

1) *Unswitched neutral (solid neutral terminal block).*
2) *Blank sides.*
3) *Open threaded cable entry with cap / cable sleeve.*

63A÷160A >> FOR GENERAL USE - SPECIAL



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
63A	2P	Y2	IP66	150x210x107mm		**590.HEL6302** 2)	1/5
	3P	Y2	IP66	150x210x107mm		**590.HEL6303** 2)	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.HEL6305** 2)	1/5
80A	2P	Y2	IP66	150x210x107mm		**590.HEL8002** 2)	1/5
	3P	Y2	IP66	150x210x107mm		**590.HEL8003** 2)	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.HEL8005** 2)	1/5
100A	3P	Y4	IP66	150x210x107mm		**590.HEL10003** 1)	1/5
	3P+N	Y4	IP66	150x210x107mm		**590.HEL10005** 1)	1/5

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

1) *Blank sides.*
2) *Open threaded cable entry with cap / cable sleeve.*

63A÷160A >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
63A	2P	Y2	IP66	150x210x107mm		**590.HEM6302** 3)	1/5
	3P	Y2	IP66	150x210x107mm		**590.HEM6303** 3)	1/5
	4P	Y2	IP66	150x210x107mm		**590.HEM6304** 3)	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.HEM6305** 3)	1/5
	6P	Y4	IP65	264x315x122mm		**590.HEM6306** 2)	1
	8P	Y4	IP66	264x315x122mm		**590.HEM6308** 2)	1
	1P+SN	Y2	IP66	150x210x107mm		**590.HEM6302.SN** 1) 3)	1
	3P+SN	Y2	IP66	150x210x107mm		**590.HEM6305.SN** 1) 3)	1
80A	2P	Y2	IP66	150x210x107mm		**590.HEM8002** 3)	1/5
	3P	Y2	IP66	150x210x107mm		**590.HEM8003** 3)	1/5
	4P	Y2	IP66	150x210x107mm		**590.HEM8004** 3)	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.HEM8005** 3)	1/5
	6P	Y4	IP65	264x315x122mm		**590.HEM8006** 2)	1
	8P	Y4	IP66	264x315x122mm		**590.HEM8008** 2)	1
	1P+SN	Y2	IP66	150x210x107mm		**590.HEM8002.SN** 1) 3)	1
	3P+SN	Y2	IP66	150x210x107mm		**590.HEM8005.SN** 1) 3)	1
100A	3P	Y4	IP66	150x210x107mm		**590.HEM10003** 3)	1/5
	3P+N	Y4	IP66	150x210x107mm		**590.HEM10005** 3)	1/5
	6P	Y4	IP65	264x315x122mm		**590.HEM10006** 2)	1
	8P	Y4	IP66	264x315x122mm		**590.HEM10008** 2)	1
	3P+SN	Y4	IP66	150x210x107mm		**590.HEM10005.SN** 1) 3)	1
125A	3P	Y5	IP65	264x315x122mm		**590.HEM12503** 2)	1
	3P+N	Y5	IP65	264x315x122mm		**590.HEM12505** 2)	1
	6P	Y5	IP65	315x410x150mm		**590.HEM12506** 2)	1
	8P	Y5	IP65	315x410x150mm		**590.HEM12508** 2)	1
	3P+SN	Y5	IP65	264x315x122mm		**590.HEM12505.SN** 1) 2)	1
160A	3P	Y5	IP65	315x410x150mm		**590.HEM16003** 2)	1
	3P+N	Y5	IP65	315x410x150mm		**590.HEM16005** 2)	1
	6P	Y5	IP65	315x410x150mm		**590.HEM16006** 2)	1
	8P	Y5	IP65	315x410x150mm		**590.HEM16008** 2)	1
	3P+SN	Y5	IP65	315x410x150mm		**590.HEM16005.SN** 1) 2)	1

Handle padlockable in OFF position only (3 padlocks).

1) *Unswitched neutral (solid neutral terminal block).*
2) *Blank sides.*
3) *Open threaded cable entry with cap / cable sleeve.*

16A÷160A HIGH WIRING CAPACITY >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y1	IP66	264x315x122mm		**590.HGE1606.W** [2]	1
	8P	Y1	IP66	264x315x122mm		**590.HGE1608.W** [2]	1
20A	2P	Y1	IP66	150x210x107mm		**590.HGE2002.W** [3]	1/5
	3P	Y1	IP66	150x210x107mm		**590.HGE2003.W** [3]	1/5
	3P+N	Y1	IP66	150x210x107mm		**590.HGE2005.W** [3]	1/5
	1P+SN	Y1	IP66	150x210x107mm		**590.HGE2002.WSN** [1] [3]	1
	3P+SN	Y1	IP66	150x210x107mm		**590.HGE2005.WSN** [1] [3]	1
25A	6P	Y1	IP66	264x315x122mm		**590.HGE2506.W** [2]	1
	8P	Y1	IP66	264x315x122mm		**590.HGE2508.W** [2]	1
32A	2P	Y1	IP66	150x210x107mm		**590.HGE3202.W** [3]	1/5
	3P	Y1	IP66	150x210x107mm		**590.HGE3203.W** [3]	1/5
	3P+N	Y1	IP66	150x210x107mm		**590.HGE3205.W** [3]	1/5
	6P	Y1	IP66	264x315x122mm		**590.HGE3206.W** [2]	1
	8P	Y1	IP66	264x315x122mm		**590.HGE3208.W** [2]	1
	1P+SN	Y1	IP66	150x210x107mm		**590.HGE3202.WSN** [1] [3]	1/5
	3P+SN	Y1	IP66	150x210x107mm		**590.HGE3205.WSN** [1] [3]	1
40A	2P	Y1	IP66	150x210x107mm		**590.HGE4002.W** [3]	1/5
	3P	Y1	IP66	150x210x107mm		**590.HGE4003.W** [3]	1/5
	3P+N	Y1	IP66	150x210x107mm		**590.HGE4005.W** [3]	1/5
	6P	Y1	IP66	264x315x122mm		**590.HGE4006.W** [2]	1
	8P	Y1	IP66	264x315x122mm		**590.HGE4008.W** [2]	1
	1P+SN	Y1	IP66	150x210x107mm		**590.HGE4002.WSN** [1] [3]	1
	3P+SN	Y1	IP66	150x210x107mm		**590.HGE4005.WSN** [1] [3]	1/5
63A	2P	Y2	IP65	264x315x112mm		**590.HGE6302.W** [2]	1
	3P	Y2	IP65	264x315x112mm		**590.HGE6303.W** [2]	1
	3P+N	Y2	IP65	264x315x112mm		**590.HGE6305.W** [2]	1
	6P	Y2	IP65	315x410x150mm		**590.HGE6306.W** [2]	1
	8P	Y2	IP65	315x410x150mm		**590.HGE6308.W** [2]	1
	1P+SN	Y2	IP65	264x315x112mm		**590.HGE6302.WSN** [1] [2]	1
	3P+SN	Y2	IP65	264x315x112mm		**590.HGE6305.WSN** [1] [2]	1
80A	2P	Y2	IP65	264x315x112mm		**590.HGE8002.W** [2]	1
	3P	Y2	IP65	264x315x112mm		**590.HGE8003.W** [2]	1
	3P+N	Y2	IP65	264x315x112mm		**590.HGE8005.W** [2]	1
	6P	Y2	IP65	315x410x150mm		**590.HGE8006.W** [2]	1
	8P	Y2	IP65	315x410x150mm		**590.HGE8008.W** [2]	1
	1P+SN	Y2	IP65	264x315x112mm		**590.HGE8002.WSN** [1] [2]	1
	3P+SN	Y2	IP65	264x315x112mm		**590.HGE8005.WSN** [1] [2]	1
100A	3P	K1	IP65	315x410x150mm		**590.HGE10003.W** [2]	1
	3P+N	K1	IP65	315x410x150mm		**590.HGE10005.W** [2]	1
	6P	Y2	IP65	315x410x150mm		**590.HGE10006.W** [2]	1
	8P	Y2	IP65	315x410x150mm		**590.HGE10008.W** [2]	1
	3P+SN	K1	IP65	315x410x150mm		**590.HGE10005.WSN** [1] [2]	1
125A	3P	K1	IP65	315x410x150mm		**590.HGE12503.W** [2]	1
	3P+N	K1	IP65	315x410x150mm		**590.HGE12505.W** [2]	1
	3P+SN	K1	IP65	315x410x150mm		**590.HGE12505.WSN** [1] [2]	1
160A	3P	K2	IP65	315x410x150mm		**590.HGE16003.W** [2]	1
	3P+N	K2	IP65	315x410x150mm		**590.HGE16005.W** [2]	1
	3P+SN	K2	IP65	315x410x150mm		**590.HGE16005.WSN** [1] [2]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

[1] *Unswitched neutral (solid neutral terminal block).*
[2] *Blank sides.*
[3] *Open threaded cable entry with cap / cable sleeve.*

16A÷160A HIGH WIRING CAPACITY >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y1	IP66	264x315x122mm		**590.HEM1606.W** 2)	1
	8P	Y1	IP66	264x315x122mm		**590.HEM1608.W** 2)	1
20A	2P	Y1	IP66	150x210x107mm		**590.HEM2002.W** 3)	1
	3P	Y1	IP66	150x210x107mm		**590.HEM2003.W** 3)	1
	3P+N	Y1	IP66	150x210x107mm		**590.HEM2005.W** 3)	1
	1P+SN	Y1	IP66	150x210x107mm		**590.HEM2002.WSN** 1) 3)	1
	3P+SN	Y1	IP66	150x210x107mm		**590.HEM2005.WSN** 1) 3)	1
25A	6P	Y1	IP66	264x315x122mm		**590.HEM2506.W** 2)	1
	8P	Y1	IP66	264x315x122mm		**590.HEM2508.W** 2)	1
32A	2P	Y1	IP66	150x210x107mm		**590.HEM3202.W** 3)	1
	3P	Y1	IP66	150x210x107mm		**590.HEM3203.W** 3)	1/5
	3P+N	Y1	IP66	150x210x107mm		**590.HEM3205.W** 3)	1
	6P	Y1	IP66	264x315x122mm		**590.HEM3206.W** 2)	1
	8P	Y1	IP66	264x315x122mm		**590.HEM3208.W** 2)	1
	1P+SN	Y1	IP66	150x210x107mm		**590.HEM3202.WSN** 1) 3)	1
	3P+SN	Y1	IP66	150x210x107mm		**590.HEM3205.WSN** 1) 3)	1
40A	2P	Y1	IP66	150x210x107mm		**590.HEM4002.W** 3)	1
	3P	Y1	IP66	150x210x107mm		**590.HEM4003.W** 3)	1
	3P+N	Y1	IP66	150x210x107mm		**590.HEM4005.W** 3)	1
	6P	Y1	IP66	264x315x122mm		**590.HEM4006.W** 2)	1
	8P	Y1	IP66	264x315x122mm		**590.HEM4008.W** 2)	1
	1P+SN	Y1	IP66	150x210x107mm		**590.HEM4002.WSN** 1) 3)	1
	3P+SN	Y1	IP66	150x210x107mm		**590.HEM4005.WSN** 1) 3)	1
63A	2P	Y2	IP65	264x315x112mm		**590.HEM6302.W** 2)	1
	3P	Y2	IP65	264x315x112mm		**590.HEM6303.W** 2)	1
	3P+N	Y2	IP65	264x315x112mm		**590.HEM6305.W** 2)	1
	6P	Y2	IP65	315x410x150mm		**590.HEM6306.W** 2)	1
	8P	Y2	IP65	315x410x150mm		**590.HEM6308.W** 2)	1
	1P+SN	Y2	IP65	264x315x112mm		**590.HEM6302.WSN** 1) 2)	1
	3P+SN	Y2	IP65	264x315x112mm		**590.HEM6305.WSN** 1) 2)	1
80A	2P	Y2	IP65	264x315x112mm		**590.HEM8002.W** 2)	1
	3P	Y2	IP65	264x315x112mm		**590.HEM8003.W** 2)	1
	3P+N	Y2	IP65	264x315x112mm		**590.HEM8005.W** 2)	1
	6P	Y2	IP65	315x410x150mm		**590.HEM8006.W** 2)	1
	8P	Y2	IP65	315x410x150mm		**590.HEM8008.W** 2)	1
	1P+SN	Y2	IP65	264x315x112mm		**590.HEM8002.WSN** 1) 2)	1
	3P+SN	Y2	IP65	264x315x112mm		**590.HEM8005.WSN** 1) 2)	1
100A	3P	K1	IP65	315x410x150mm		**590.HEM10003.W** 2)	1
	3P+N	K1	IP65	315x410x150mm		**590.HEM10005.W** 2)	1
	3P+SN	K1	IP65	315x410x150mm		**590.HEM10005.WSN** 1) 2)	1
125A	3P	K1	IP65	315x410x150mm		**590.HEM12503.W** 2)	1
	3P+N	K1	IP65	315x410x150mm		**590.HEM12505.W** 2)	1
	3P+SN	K1	IP65	315x410x150mm		**590.HEM12505.WSN** 1) 2)	1
160A	3P	K2	IP65	315x410x150mm		**590.HEM16003.W** 2)	1
	3P+N	K2	IP65	315x410x150mm		**590.HEM16005.W** 2)	1
	3P+SN	K2	IP65	315x410x150mm		**590.HEM16005.WSN** 1) 2)	1

Handle padlockable in OFF position only (3 padlocks).

1) *Unswitched neutral (solid neutral terminal block).*
2) *Blank sides.*
3) *Open threaded cable entry with cap / cable sleeve.*



ISOLATORS-MS Series

ISOLATORS-MS is a complete range of switch-disconnectors in mild steel enclosure with "Double Layer Protection" treatment.

The first layer of cathodic electrophoresis paint with epoxy resin ensures a protective barrier against the corrosion, while the subsequent finishing topcoat of epoxy-polyester thermosetting powder confers resistance to UV rays.

The wide internal room of the enclosures allows comfortable cable accommodation and use of big size of cable gland able to accept big cable size.

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Technical information

Main characteristics



- 01 Blank sides
- 02 Highly manoeuvrable handle
- 03 Door locking with handle in the ON position
- 04 Handle padlockable in the OFF position
- 05 AC23 switch with the possibility of double auxiliary contact
- 06 Cathodic electrophoresis painted mild steel enclosure
- 07 Wall mounting via fixing holes or via external brackets

Applications examples



FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP65	150x210x107mm		**590.MGE1606**	1
	8P	Y3	IP65	150x210x107mm		**590.MGE1608**	1
20A	2P	Y1	IP65	150x210x107mm		**590.MGE2002**	1
	3P	Y1	IP65	150x210x107mm		**590.MGE2003**	1
	3P+N	Y1	IP65	150x210x107mm		**590.MGE2005**	1
	1P+SN	Y1	IP65	150x210x107mm		**590.MGE2002.SN**[1)]	1
	3P+SN	Y1	IP65	150x210x107mm		**590.MGE2005.SN**[1)]	1
25A	6P	Y3	IP65	150x210x107mm		**590.MGE2506**	1
	8P	Y3	IP65	150x210x107mm		**590.MGE2508**	1
32A	2P	Y1	IP65	150x210x107mm		**590.MGE3202**	1
	3P	Y1	IP65	150x210x107mm		**590.MGE3203**	1
	3P+N	Y1	IP65	150x210x107mm		**590.MGE3205**	1
	6P	Y3	IP65	150x210x107mm		**590.MGE3206**	1
	8P	Y3	IP65	150x210x107mm		**590.MGE3208**	1
	1P+SN	Y1	IP65	150x210x107mm		**590.MGE3202.SN**[1)]	1
	3P+SN	Y1	IP65	150x210x107mm		**590.MGE3205.SN**[1)]	1
40A	2P	Y1	IP65	150x210x107mm		**590.MGE4002**	1
	3P	Y1	IP65	150x210x107mm		**590.MGE4003**	1
	3P+N	Y1	IP65	150x210x107mm		**590.MGE4005**	1
	6P	Y3	IP65	150x210x107mm		**590.MGE4006**	1
	8P	Y3	IP65	150x210x107mm		**590.MGE4008**	1
	1P+SN	Y1	IP65	150x210x107mm		**590.MGE4002.SN**[1)]	1
	3P+SN	Y1	IP65	150x210x107mm		**590.MGE4005.SN**[1)]	1
63A	2P	Y2	IP65	150x210x107mm		**590.MGE6302**	1
	3P	Y2	IP65	150x210x107mm		**590.MGE6303**	1
	3P+N	Y2	IP65	150x210x107mm		**590.MGE6305**	1
	6P	Y4	IP65	200x300x120mm		**590.MGE6306**	1
	8P	Y4	IP65	200x300x120mm		**590.MGE6308**	1
	1P+SN	Y2	IP65	150x210x107mm		**590.MGE6302.SN**[1)]	1
	3P+SN	Y2	IP65	150x210x107mm		**590.MGE6305.SN**[1)]	1
80A	2P	Y2	IP65	150x210x107mm		**590.MGE8002**	1
	3P	Y2	IP65	150x210x107mm		**590.MGE8003**	1
	3P+N	Y2	IP65	150x210x107mm		**590.MGE8005**	1
	6P	Y4	IP65	200x300x120mm		**590.MGE8006**	1
	8P	Y4	IP65	200x300x120mm		**590.MGE8008**	1
	1P+SN	Y2	IP65	150x210x107mm		**590.MGE8002.SN**[1)]	1
	3P+SN	Y2	IP65	150x210x107mm		**590.MGE8005.SN**[1)]	1
100A	3P	Y4	IP65	200x300x120mm		**590.MGE10003**	1
	3P+N	Y4	IP65	200x300x120mm		**590.MGE10005**	1
	6P	Y4	IP65	300x400x120mm		**590.MGE10006**	1
	8P	Y4	IP65	300x400x120mm		**590.MGE10008**	1
	3P+SN	Y4	IP65	200x300x120mm		**590.MGE10005.SN**[1)]	1
125A	3P	Y5	IP65	200x300x120mm		**590.MGE12503**	1
	3P+N	Y5	IP65	200x300x120mm		**590.MGE12505**	1
	6P	Y5	IP65	300x400x120mm		**590.MGE12506**	1
	8P	Y5	IP65	300x400x120mm		**590.MGE12508**	1
	3P+SN	Y5	IP65	200x300x120mm		**590.MGE12505.SN**[1)]	1

Handle padlockable in OFF position only (3 padlocks)
Blank sides

[1)] *Unswitched neutral (solid neutral terminal block)*

FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP65	150x210x107mm		**590.MEM1606**	1
	8P	Y3	IP65	150x210x107mm		**590.MEM1608**	1
20A	2P	Y1	IP65	150x210x107mm		**590.MEM2002**	1
	3P	Y1	IP65	150x210x107mm		**590.MEM2003**	1
	3P+N	Y1	IP65	150x210x107mm		**590.MEM2005**	1
	1P+SN	Y1	IP65	150x210x107mm		**590.MEM2002.SN**[1)]	1
	3P+SN	Y1	IP65	150x210x107mm		**590.MEM2005.SN**[1)]	1
25A	6P	Y3	IP65	150x210x107mm		**590.MEM2506**	1
	8P	Y3	IP65	150x210x107mm		**590.MEM2508**	1
32A	2P	Y1	IP65	150x210x107mm		**590.MEM3202**	1
	3P	Y1	IP65	150x210x107mm		**590.MEM3203**	1
	3P+N	Y1	IP65	150x210x107mm		**590.MEM3205**	1
	6P	Y3	IP65	150x210x107mm		**590.MEM3206**	1
	8P	Y3	IP65	150x210x107mm		**590.MEM3208**	1
	1P+SN	Y1	IP65	150x210x107mm		**590.MEM3202.SN**[1)]	1
	3P+SN	Y1	IP65	150x210x107mm		**590.MEM3205.SN**[1)]	1
40A	2P	Y1	IP65	150x210x107mm		**590.MEM4002**	1
	3P	Y1	IP65	150x210x107mm		**590.MEM4003**	1
	3P+N	Y1	IP65	150x210x107mm		**590.MEM4005**	1
	6P	Y3	IP65	150x210x107mm		**590.MEM4006**	1
	8P	Y3	IP65	150x210x107mm		**590.MEM4008**	1
	1P+SN	Y1	IP65	150x210x107mm		**590.MEM4002.SN**[1)]	1
	3P+SN	Y1	IP65	150x210x107mm		**590.MEM4005.SN**[1)]	1
63A	2P	Y2	IP65	150x210x107mm		**590.MEM6302**	1
	3P	Y2	IP65	150x210x107mm		**590.MEM6303**	1
	3P+N	Y2	IP65	150x210x107mm		**590.MEM6305**	1
	6P	Y4	IP65	200x300x120mm		**590.MEM6306**	1
	8P	Y4	IP65	200x300x120mm		**590.MEM6308**	1
	1P+SN	Y2	IP65	150x210x107mm		**590.MEM6302.SN**[1)]	1
	3P+SN	Y2	IP65	150x210x107mm		**590.MEM6305.SN**[1)]	1
80A	2P	Y2	IP65	150x210x107mm		**590.MEM8002**	1
	3P	Y2	IP65	150x210x107mm		**590.MEM8003**	1
	3P+N	Y2	IP65	150x210x107mm		**590.MEM8005**	1
	6P	Y4	IP65	200x300x120mm		**590.MEM8006**	1
	8P	Y4	IP65	200x300x120mm		**590.MEM8008**	1
	1P+SN	Y2	IP65	150x210x107mm		**590.MEM8002.SN**[1)]	1
	3P+SN	Y2	IP65	150x210x107mm		**590.MEM8005.SN**[1)]	1
100A	3P	Y4	IP65	200x300x120mm		**590.MEM10003**	1
	3P+N	Y4	IP65	200x300x120mm		**590.MEM10005**	1
	6P	Y4	IP65	300x400x120mm		**590.MEM10006**	1
	8P	Y4	IP65	300x400x120mm		**590.MEM10008**	1
	3P+SN	Y4	IP65	200x300x120mm		**590.MEM10005.SN**[1)]	1
125A	3P	Y5	IP65	200x300x120mm		**590.MEM12503**	1
	3P+N	Y5	IP65	200x300x120mm		**590.MEM12505**	1
	6P	Y5	IP65	300x400x120mm		**590.MEM12506**	1
	8P	Y5	IP65	300x400x120mm		**590.MEM12508**	1
	3P+SN	Y5	IP65	200x300x120mm		**590.MEM12505.SN**[1)]	1

Handle padlockable in OFF position only (3 padlocks)
Blank sides

[1)] *Unswitched neutral (solid neutral terminal block)*



ISOLATORS-INOX Series

ISOLATORS-INOX is a complete range of switch-disconnectors with AISI304L stainless steel casing (on request AISI316L) and specific solutions to prevent the accumulation of dirt, thus guaranteeing mechanical and environmental performance unaltered over time.

ISOLATORS-INOX are the best choice where maximum hygiene is required together with excellent resistance to corrosion due to aggressive detergents such as in the food and pharmaceutical industries, or to high salt or chemical concentrations such as in ports and in particular industrial environments or, again, in the presence of chlorine as in swimming pools.

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Technical information

Main characteristics



01 Blank sides

02 Ergonomic XXL handle

03 Enclosure in AISI 304 stainless steel (AISI 316 on request)

04 AC23 switch with the possibility of double auxiliary contact

05 Handle padlockable in the OFF (emergency use) and ON and OFF (general use) position

06 Door locking with handle in the ON position

07 Wall fixing by means of cantilevered brackets to prevent dirt deposits

FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP65	250x280x120mm		**590.SGE1606**	1
	8P	Y3	IP65	250x280x120mm		**590.SGE1608**	1
20A	2P	Y1	IP65	100x160x90mm		**590.SGE2002**	1/12
	3P	Y1	IP65	100x160x90mm		**590.SGE2003**	1
	3P+N	Y1	IP65	100x160x90mm		**590.SGE2005**	1/12
	1P+SN	Y1	IP65	100x160x90mm		**590.SGE2002.SN** [1)]	1
	3P+SN	Y1	IP65	100x160x90mm		**590.SGE2005.SN** [1)]	1
25A	6P	Y3	IP65	250x280x120mm		**590.SGE2506**	1
	8P	Y3	IP65	250x280x120mm		**590.SGE2508**	1
32A	2P	Y1	IP65	100x160x90mm		**590.SGE3202**	1/12
	3P	Y1	IP65	100x160x90mm		**590.SGE3203**	1
	3P+N	Y1	IP65	100x160x90mm		**590.SGE3205**	1
	6P	Y3	IP65	250x280x120mm		**590.SGE3206**	1
	8P	Y3	IP65	250x280x120mm		**590.SGE3208**	1
	1P+SN	Y1	IP65	100x160x90mm		**590.SGE3202.SN** [1)]	1
	3P+SN	Y1	IP65	100x160x90mm		**590.SGE3205.SN** [1)]	1
40A	2P	Y1	IP65	100x160x90mm		**590.SGE4002**	1
	3P	Y1	IP65	100x160x90mm		**590.SGE4003**	1
	3P+N	Y1	IP65	100x160x90mm		**590.SGE4005**	1
	6P	Y3	IP65	250x280x120mm		**590.SGE4006**	1
	8P	Y3	IP65	250x280x120mm		**590.SGE4008**	1
	1P+SN	Y1	IP65	100x160x90mm		**590.SGE4002.SN** [1)]	1
	3P+SN	Y1	IP65	100x160x90mm		**590.SGE4005.SN** [1)]	1
63A	3P	Y4	IP65	150x220x120mm		**590.SGE6303**	1
	3P+N	Y4	IP65	150x220x120mm		**590.SGE6305**	1
	6P	Y4	IP65	250x280x120mm		**590.SGE6306**	1/5
	8P	Y4	IP65	250x280x120mm		**590.SGE6308**	1
	3P+SN	Y4	IP65	150x220x120mm		**590.SGE6305.SN** [1)]	1
80A	3P	Y4	IP65	150x220x120mm		**590.SGE8003**	1
	3P+N	Y4	IP65	150x220x120mm		**590.SGE8005**	1
	6P	Y4	IP65	250x280x120mm		**590.SGE8006**	1
	8P	Y4	IP65	250x280x120mm		**590.SGE8008**	1
	3P+SN	Y4	IP65	150x220x120mm		**590.SGE8005.SN** [1)]	1
100A	3P	Y4	IP65	150x220x120mm		**590.SGE10003**	1
	3P+N	Y4	IP65	150x220x120mm		**590.SGE10005**	1
	6P	Y4	IP65	250x280x120mm		**590.SGE10006**	1
	8P	Y4	IP65	250x280x120mm		**590.SGE10008**	1
	3P+SN	Y4	IP65	150x220x120mm		**590.SGE10005.SN** [1)]	1
125A	3P	Y5	IP65	300x400x150mm		**590.SGE12503**	1
	3P+N	Y5	IP65	300x400x150mm		**590.SGE12505**	1
	6P	Y5	IP65	300x400x150mm		**590.SGE12506**	1
	8P	Y5	IP65	300x400x150mm		**590.SGE12508**	1
	3P+SN	Y5	IP65	300x400x150mm		**590.SGE12505.SN** [1)]	1
160A	3P	Y5	IP65	300x400x150mm		**590.SGE16003**	1
	3P+N	Y5	IP65	300x400x150mm		**590.SGE16005**	1
	6P	Y5	IP65	300x400x150mm		**590.SGE16006**	1
	8P	Y5	IP65	300x400x150mm		**590.SGE16008**	1
	3P+SN	Y5	IP65	300x400x150mm		**590.SGE16005.SN** [1)]	1

Handle padlockable in OFF position only (3 padlocks).
Blank sides.

[1)] *Unswitched neutral (solid neutral terminal block).*

FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP65	250x280x120mm		**590.SEM1606**	1
	8P	Y3	IP65	250x280x120mm		**590.SEM1608**	1
20A	2P	Y1	IP65	100x160x90mm		**590.SEM2002**	1
	3P	Y1	IP65	100x160x90mm		**590.SEM2003**	1
	3P+N	Y1	IP65	100x160x90mm		**590.SEM2005**	1
	1P+SN	Y1	IP65	100x160x90mm		**590.SEM2002.SN**[1)]	1
	3P+SN	Y1	IP65	100x160x90mm		**590.SEM2005.SN**[1)]	1
25A	6P	Y3	IP65	250x280x120mm		**590.SEM2506**	1
	8P	Y3	IP65	250x280x120mm		**590.SEM2508**	1
32A	2P	Y1	IP65	100x160x90mm		**590.SEM3202**	1
	3P	Y1	IP65	100x160x90mm		**590.SEM3203**	1
	3P+N	Y1	IP65	100x160x90mm		**590.SEM3205**	1
	6P	Y3	IP65	250x280x120mm		**590.SEM3206**	1
	8P	Y3	IP65	250x280x120mm		**590.SEM3208**	1
	1P+SN	Y1	IP65	100x160x90mm		**590.SEM3202.SN**[1)]	1
	3P+SN	Y1	IP65	100x160x90mm		**590.SEM3205.SN**[1)]	1
40A	2P	Y1	IP65	100x160x90mm		**590.SEM4002**	1
	3P	Y1	IP65	100x160x90mm		**590.SEM4003**	1
	3P+N	Y1	IP65	100x160x90mm		**590.SEM4005**	1
	6P	Y3	IP65	250x280x120mm		**590.SEM4006**	1
	8P	Y3	IP65	250x280x120mm		**590.SEM4008**	1
	1P+SN	Y1	IP65	100x160x90mm		**590.SEM4002.SN**[1)]	1
	3P+SN	Y1	IP65	100x160x90mm		**590.SEM4005.SN**[1)]	1
63A	3P	Y4	IP65	150x220x120mm		**590.SEM6303**	1
	3P+N	Y4	IP65	150x220x120mm		**590.SEM6305**	1
	6P	Y4	IP65	250x280x120mm		**590.SEM6306**	1
	8P	Y4	IP65	250x280x120mm		**590.SEM6308**	1
	3P+SN	Y4	IP65	150x220x120mm		**590.SEM6305.SN**[1)]	1
80A	3P	Y4	IP65	150x220x120mm		**590.SEM8003**	1
	3P+N	Y4	IP65	150x220x120mm		**590.SEM8005**	1
	6P	Y4	IP65	250x280x120mm		**590.SEM8006**	1
	8P	Y4	IP65	250x280x120mm		**590.SEM8008**	1
	3P+SN	Y4	IP65	150x220x120mm		**590.SEM8005.SN**[1)]	1
100A	3P	Y4	IP65	150x220x120mm		**590.SEM10003**	1
	3P+N	Y4	IP65	150x220x120mm		**590.SEM10005**	1
	6P	Y4	IP65	250x280x120mm		**590.SEM10006**	1
	8P	Y4	IP65	250x280x120mm		**590.SEM10008**	1
	3P+SN	Y4	IP65	150x220x120mm		**590.SEM10005.SN**[1)]	1
125A	3P	Y5	IP65	300x400x150mm		**590.SEM12503**	1
	3P+N	Y5	IP65	300x400x150mm		**590.SEM12505**	1
	6P	Y5	IP65	300x400x150mm		**590.SEM12506**	1
	8P	Y5	IP65	300x400x150mm		**590.SEM12508**	1
	3P+SN	Y5	IP65	300x400x150mm		**590.SEM12505.SN**[1)]	1
160A	3P	Y5	IP65	300x400x150mm		**590.SEM16003**	1
	3P+N	Y5	IP65	300x400x150mm		**590.SEM16005**	1
	6P	Y5	IP65	300x400x150mm		**590.SEM16006**	1
	8P	Y5	IP65	300x400x150mm		**590.SEM16008**	1
	3P+SN	Y5	IP65	300x400x150mm		**590.SEM16005.SN**[1)]	1

Handle padlockable in OFF position only (3 padlocks).
Blank sides.

[1)] *Unswitched neutral (solid neutral terminal block).*

FOR GENERAL USE - HIGH WIRING CAPACITY



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	3P	Y1	IP65	150x160x90mm		**590.SGE2003.W**	1
	3P+N	Y1	IP65	150x160x90mm		**590.SGE2005.W**	1
32A	3P	Y1	IP65	150x160x90mm		**590.SGE3203.W**	1
	3P+N	Y1	IP65	150x160x90mm		**590.SGE3205.W**	1
40A	3P	Y1	IP65	150x160x90mm		**590.SGE4003.W**	1
	3P+N	Y1	IP65	150x160x90mm		**590.SGE4005.W**	1

Handle padlockable in OFF position only (3 padlocks).
Blank sides.

Type: GENERAL

Applications examples



Food industry



Chemical industry



Pharma industry



ISOLATORS-HR Series

ISOLATORS-HR (High Rating) is a complete range of switch-disconnectors with painted sheet steel enclosure with hinged door.

The width of the enclosure allows the wiring of cables of large sections, necessary for high power applications and with long power lines, while the high electrical performance guarantees absolute resistance to short circuits caused by high currents.

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Technical information

Main characteristics



- 01 Blank sides
- 02 Highly manoeuvrable handle
- 03 Door locking with handle in the ON position
- 04 Handle padlockable in the OFF position
- 05 AC23 switch with the possibility of double auxiliary contact
- 06 Cataphoresis painted metal enclosure
- 07 Removable cable gland plate
- 08 BOTTOM-BOTTOM version with busbar system for the connection of cables
- 09 Wall mounting via external brackets
- 10 Reinforced stainless steel hinges

FOR GENERAL USE - TOP/BOTTOM



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
100A	6P	K1	IP65	400x500x200mm		**590.KGE10006**	1
	8P	K1	IP65	400x500x200mm		**590.KGE10008**	1
125A	6P	K1	IP65	400x500x200mm		**590.KGE12506**	1
	8P	K1	IP65	400x500x200mm		**590.KGE12508**	1
160A	3P	K2	IP65	300x500x200mm		**590.KGE16003**	1
	3P+N	K2	IP65	300x500x200mm		**590.KGE16005**	1
	6P	K2	IP65	500x700x250mm		**590.KGE16006**	1
	8P	K2	IP65	500x700x250mm		**590.KGE16008**	1
	3P+SN	K2	IP65	300x500x200mm		**590.KGE16005.SN** [1]	1
200A	3P	K2	IP65	300x500x200mm		**590.KGE20003**	1
	3P+N	K2	IP65	300x500x200mm		**590.KGE20005**	1
	6P	K2	IP65	600x800x300mm		**590.KGE20006**	1
	8P	K2	IP65	600x800x300mm		**590.KGE20008**	1
	3P+SN	K2	IP65	300x500x200mm		**590.KGE20005.SN** [1]	1
250A	3P	K2	IP65	300x500x200mm		**590.KGE25003**	1
	3P+N	K2	IP65	300x500x200mm		**590.KGE25005**	1
	6P	K2	IP65	600x800x300mm		**590.KGE25006**	1
	8P	K2	IP65	600x800x300mm		**590.KGE25008**	1
	3P+SN	K2	IP65	300x500x200mm		**590.KGE25005.SN** [1]	1
315A	3P	K3	IP65	400x600x200mm		**590.KGE31503**	1
	3P+N	K3	IP65	400x600x200mm		**590.KGE31505**	1
	6P	K3	IP65	800x800x300mm		**590.KGE31506**	1
	8P	K3	IP65	800x800x300mm		**590.KGE31508**	1
	3P+SN	K3	IP65	400x600x200mm		**590.KGE31505.SN** [1]	1
400A	3P	K3	IP65	400x600x200mm		**590.KGE40003**	1
	3P+N	K3	IP65	400x600x200mm		**590.KGE40005**	1
	6P	K3	IP65	800x800x300mm		**590.KGE40006**	1
	8P	K3	IP65	800x800x300mm		**590.KGE40008**	1
	3P+SN	K3	IP65	400x600x200mm		**590.KGE40005.SN** [1]	1
500A	3P	K3	IP65	500x700x250mm		**590.KGE50003**	1
	3P+N	K3	IP65	500x700x250mm		**590.KGE50005**	1
	6P	K3	IP65	800x800x300mm		**590.KGE50006**	1
	8P	K3	IP65	800x800x300mm		**590.KGE50008**	1
	3P+SN	K3	IP65	500x700x250mm		**590.KGE50005.SN** [1]	1
630A	3P	K4	IP65	500x700x250mm		**590.KGE63003**	1
	3P+N	K4	IP65	500x700x250mm		**590.KGE63005**	1
	6P	K4	IP65	1000x1000x300mm		**590.KGE63006**	1
	8P	K4	IP65	1000x1000x300mm		**590.KGE63008**	1
	3P+SN	K4	IP65	500x700x250mm		**590.KGE63005.SN** [1]	1
800A	3P	K5	IP65	600x1000x300mm		**590.KGE80003**	1
	3P+N	K5	IP65	600x1000x300mm		**590.KGE80005**	1
	3P+SN	K5	IP65	600x1000x300mm		**590.KGE80005.SN** [1]	1
1000A	3P	K5	IP65	600x1000x300mm		**590.KGE100003**	1
	3P+N	K5	IP65	600x1000x300mm		**590.KGE100005**	1
	3P+SN	K5	IP65	600x1000x300mm		**590.KGE100005.SN** [1]	1
1250A	3P	K5	IP65	600x1000x300mm		**590.KGE125003**	1
	3P+N	K5	IP65	600x1000x300mm		**590.KGE125005**	1
	3P+SN	K5	IP65	600x1000x300mm		**590.KGE125005.SN** [1]	1
1600A	3P	K6	IP65	600x1000x300mm		**590.KGE160003** [2]	1
	3P+N	K6	IP65	600x1000x300mm		**590.KGE160005** [2]	1
	3P+SN	K6	IP65	600x1000x300mm		**590.KGE160005.SN** [1] [2]	1

Handle padlockable in OFF position only (3 padlocks).
TOP/BOTTOM = Top/Bottom connection.
Gland plate cable entry on bottom side.

[1] *Unswitched neutral (solid neutral terminal block).*
[2] *Neutral pole 1250A. Full current neutral pole on request.*

FOR GENERAL USE - BOTTOM/BOTTOM



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
160A	3P	K2	IP65	300x500x200mm		**590.KGE16003B**	1
	3P+N	K2	IP65	300x500x200mm		**590.KGE16005B**	1
	3P+SN	K2	IP65	300x500x200mm		**590.KGE16005BSN** [1]	1
200A	3P	K2	IP65	300x500x200mm		**590.KGE20003B**	1
	3P+N	K2	IP65	300x500x200mm		**590.KGE20005B**	1
	3P+SN	K2	IP65	300x500x200mm		**590.KGE20005BSN** [1]	1
250A	3P	K2	IP65	300x500x200mm		**590.KGE25003B**	1
	3P+N	K2	IP65	300x500x200mm		**590.KGE25005B**	1
	3P+SN	K2	IP65	300x500x200mm		**590.KGE25005BSN** [1]	1
315A	3P	K3	IP65	400x600x200mm		**590.KGE31503B**	1
	3P+N	K3	IP65	400x600x200mm		**590.KGE31505B**	1
	3P+SN	K3	IP65	400x600x200mm		**590.KGE31505BSN** [1]	1
400A	3P	K3	IP65	400x600x200mm		**590.KGE40003B**	1
	3P+N	K3	IP65	400x600x200mm		**590.KGE40005B**	1
	3P+SN	K3	IP65	400x600x200mm		**590.KGE40005BSN** [1]	1
500A	3P	K3	IP65	500x700x250mm		**590.KGE50003B**	1
	3P+N	K3	IP65	500x700x250mm		**590.KGE50005B**	1
	3P+SN	K3	IP65	500x700x250mm		**590.KGE50005BSN** [1]	1
630A	3P	K4	IP65	800x800x300mm		**590.KGE63003B**	1
	3P+N	K4	IP65	800x800x300mm		**590.KGE63005B**	1
	3P+SN	K4	IP65	800x800x300mm		**590.KGE63005BSN** [1]	1
800A	3P	K5	IP65	800x800x300mm		**590.KGE80003B**	1
	3P+N	K5	IP65	800x800x300mm		**590.KGE80005B**	1
	3P+SN	K5	IP65	800x800x300mm		**590.KGE80005BSN** [1]	1
1000A	3P	K5	IP65	1000x1000x300mm		**590.KGE100003B**	1
	3P+N	K5	IP65	1000x1000x300mm		**590.KGE100005B**	1
	3P+SN	K5	IP65	1000x1000x300mm		**590.KGE100005BSN** [1]	1
1250A	3P	K5	IP65	1000x1000x300mm		**590.KGE125003B**	1
	3P+N	K5	IP65	1000x1000x300mm		**590.KGE125005B**	1
	3P+SN	K5	IP65	1000x1000x300mm		**590.KGE125005BSN** [1]	1
1600A	3P	K6	IP65	1000x1000x300mm		**590.KGE160003B** [2]	1
	3P+N	K6	IP65	1000x1000x300mm		**590.KGE160005B** [2]	1
	3P+SN	K6	IP65	1000x1000x300mm		**590.KGE160005BSN** [1] [2]	1

Handle padlockable in OFF position only (3 padlocks).
Gland plate cable entry on bottom side.
BOTTOM/BOTTOM = Bottom/Bottom connection with busbar.

[1] *Unswitched neutral (solid neutral terminal block).*
[2] *Neutral pole 1250A. Full current neutral pole on request.*

FOR EMERGENCY USE - TOP/BOTTOM



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
100A	6P	K1	IP65	400x500x200mm		**590.KEM10006**	1
	8P	K1	IP65	400x500x200mm		**590.KEM10008**	1
125A	6P	K1	IP65	400x500x200mm		**590.KEM12506**	1
	8P	K1	IP65	400x500x200mm		**590.KEM12508**	1
160A	3P	K2	IP65	300x500x200mm		**590.KEM16003**	1
	3P+N	K2	IP65	300x500x200mm		**590.KEM16005**	1
	6P	K2	IP65	500x700x250mm		**590.KEM16006**	1
	8P	K2	IP65	500x700x250mm		**590.KEM16008**	1
	3P+SN	K2	IP65	300x500x200mm		**590.KEM16005.SN** [1]	1
200A	3P	K2	IP65	300x500x200mm		**590.KEM20003**	1
	3P+N	K2	IP65	300x500x200mm		**590.KEM20005**	1
	6P	K2	IP65	600x800x300mm		**590.KEM20006**	1
	8P	K2	IP65	600x800x300mm		**590.KEM20008**	1
	3P+SN	K2	IP65	300x500x200mm		**590.KEM20005.SN** [1]	1
250A	3P	K2	IP65	300x500x200mm		**590.KEM25003**	1
	3P+N	K2	IP65	300x500x200mm		**590.KEM25005**	1
	6P	K2	IP65	600x800x300mm		**590.KEM25006**	1
	8P	K2	IP65	600x800x300mm		**590.KEM25008**	1
	3P+SN	K2	IP65	300x500x200mm		**590.KEM25005.SN** [1]	1
315A	3P	K3	IP65	400x600x200mm		**590.KEM31503**	1
	3P+N	K3	IP65	400x600x200mm		**590.KEM31505**	1
	6P	K3	IP65	800x800x300mm		**590.KEM31506**	1
	8P	K3	IP65	800x800x300mm		**590.KEM31508**	1
	3P+SN	K3	IP65	400x600x200mm		**590.KEM31505.SN** [1]	1
400A	3P	K3	IP65	400x600x200mm		**590.KEM40003**	1
	3P+N	K3	IP65	400x600x200mm		**590.KEM40005**	1
	6P	K3	IP65	800x800x300mm		**590.KEM40006**	1
	8P	K3	IP65	800x800x300mm		**590.KEM40008**	1
	3P+SN	K3	IP65	400x600x200mm		**590.KEM40005.SN** [1]	1
500A	3P	K3	IP65	500x700x250mm		**590.KEM50003**	1
	3P+N	K3	IP65	500x700x250mm		**590.KEM50005**	1
	6P	K3	IP65	800x800x300mm		**590.KEM50006**	1
	8P	K3	IP65	800x800x300mm		**590.KEM50008**	1
	3P+SN	K3	IP65	500x700x250mm		**590.KEM50005.SN** [1]	1
630A	3P	K4	IP65	500x700x250mm		**590.KEM63003**	1
	3P+N	K4	IP65	500x700x250mm		**590.KEM63005**	1
	6P	K4	IP65	1000x1000x300mm		**590.KEM63006**	1
	8P	K4	IP65	1000x1000x300mm		**590.KEM63008**	1
	3P+SN	K4	IP65	500x700x250mm		**590.KEM63005.SN** [1]	1
800A	3P	K5	IP65	600x1000x300mm		**590.KEM80003**	1
	3P+N	K5	IP65	600x1000x300mm		**590.KEM80005**	1
	3P+SN	K5	IP65	600x1000x300mm		**590.KEM80005.SN** [1]	1
1000A	3P	K5	IP65	600x1000x300mm		**590.KEM100003**	1
	3P+N	K5	IP65	600x1000x300mm		**590.KEM100005**	1
	3P+SN	K5	IP65	600x1000x300mm		**590.KEM100005.SN** [1]	1
1250A	3P	K5	IP65	600x1000x300mm		**590.KEM125003**	1
	3P+N	K5	IP65	600x1000x300mm		**590.KEM125005**	1
	3P+SN	K5	IP65	600x1000x300mm		**590.KEM125005.SN** [1]	1
1600A	3P	K6	IP65	600x1000x300mm		**590.KEM160003** [2]	1
	3P+N	K6	IP65	600x1000x300mm		**590.KEM160005** [2]	1
	3P+SN	K6	IP65	600x1000x300mm		**590.KEM160005.SN** [1] [2]	1

Handle padlockable in OFF position only (3 padlocks).
TOP/BOTTOM = Top/Bottom connection.
Gland plate cable entry on bottom side.

[1] *Unswitched neutral (solid neutral terminal block).*
[2] *Neutral pole 1250A. Full current neutral pole on request.*



ISOLATORS-FR Series

ISOLATORS-FR is a range of fire rated switch-disconnectors able to withstand, depending on the version, a temperature of 400°C (F400) or 200°C (F200) for 120 minutes, guaranteeing the operation of the smoke extraction systems as required by the EN 12101-3 (2002) Standard. The enclosure, in die-cast aluminum for sizes from 20A to 160A or in sheet metal with hinged door for versions from 200A to 630A, is equipped with a door lock mechanism in the ON position while the handles can be padlocked in the ON and OFF position.

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Technical information

Main characteristics
F400



01 Blank sides

02 High visibility ergonomic XXL handle

03 Handle padlockable in the ON and OFF position (both for general and emergency use)

04 Door locking with handle in the ON position

05 Die-cast aluminium epoxy polyurethane painted enclosure with high resistance to atmospheric agents. Sheet steel versions cataphoresis painted

06 Switch made entirely of thermosetting GRP material with high heat resistance

07 AC23 switch with the possibility of double auxiliary contact

08 Slotted external fixing points

Application examples



Basement parking



Emergency evacuation exit

F200 >> ALUMINIUM VERSION - 16A÷160A >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66	150x210x107mm		**590.F2GE1606**	1/5
20A	2P	Y1	IP66	105x150x82mm		**590.F2GE2002**	1/12
	3P	Y1	IP66	105x150x82mm		**590.F2GE2003**	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.F2GE2005**	1/12
	1P+SN	Y1	IP66	105x150x82mm		**590.F2GE2002.SN** [1)]	1
	3P+SN	Y1	IP66	105x150x82mm		**590.F2GE2005.SN** [1)]	1
25A	6P	Y3	IP66	150x210x107mm		**590.F2GE2506**	1/5
32A	2P	Y1	IP66	105x150x82mm		**590.F2GE3202**	1/12
	3P	Y1	IP66	105x150x82mm		**590.F2GE3203**	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.F2GE3205**	1/12
	6P	Y3	IP66	150x210x107mm		**590.F2GE3206**	1
	1P+SN	Y1	IP66	105x150x82mm		**590.F2GE3202.SN** [1)]	1
	3P+SN	Y1	IP66	105x150x82mm		**590.F2GE3205.SN** [1)]	1/12
40A	2P	Y1	IP66	105x150x82mm		**590.F2GE4002**	1/12
	3P	Y1	IP66	105x150x82mm		**590.F2GE4003**	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.F2GE4005**	1/12
	6P	Y3	IP66	150x210x107mm		**590.F2GE4006**	1/5
	1P+SN	Y1	IP66	105x150x82mm		**590.F2GE4002.SN** [1)]	1
	3P+SN	Y1	IP66	105x150x82mm		**590.F2GE4005.SN** [1)]	1
63A	2P	Y2	IP66	150x210x107mm		**590.F2GE6302**	1/5
	3P	Y2	IP66	150x210x107mm		**590.F2GE6303**	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.F2GE6305**	1/5
	6P	Y4	IP65	264x315x122mm		**590.F2GE6306**	1
	1P+SN	Y2	IP66	150x210x107mm		**590.F2GE6302.SN** [1)]	1
	3P+SN	Y2	IP66	150x210x107mm		**590.F2GE6305.SN** [1)]	1
80A	2P	Y2	IP66	150x210x107mm		**590.F2GE8002**	1
	3P	Y2	IP66	150x210x107mm		**590.F2GE8003**	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.F2GE8005**	1/5
	6P	Y4	IP65	264x315x122mm		**590.F2GE8006**	1
	1P+SN	Y2	IP66	150x210x107mm		**590.F2GE8002.SN** [1)]	1
	3P+SN	Y2	IP66	150x210x107mm		**590.F2GE8005.SN** [1)]	1
100A	3P	Y4	IP66	150x210x107mm		**590.F2GE10003**	1/5
	3P+N	Y4	IP66	150x210x107mm		**590.F2GE10005**	1/5
	6P	Y4	IP65	264x315x122mm		**590.F2GE10006**	1
	3P+SN	Y4	IP66	150x210x107mm		**590.F2GE10005.SN** [1)]	1
125A	3P	Y5	IP65	264x315x122mm		**590.F2GE12503**	1
	3P+N	Y5	IP65	264x315x122mm		**590.F2GE12505**	1
	6P	Y5	IP65	315x410x150mm		**590.F2GE12506**	1
	3P+SN	Y5	IP65	264x315x122mm		**590.F2GE12505.SN** [1)]	1
160A	3P	Y5	IP65	315x410x150mm		**590.F2GE16003**	1
	3P+N	Y5	IP65	315x410x150mm		**590.F2GE16005**	1
	6P	Y5	IP65	315x410x150mm		**590.F2GE16006**	1
	3P+SN	Y5	IP65	315x410x150mm		**590.F2GE16005.SN** [1)]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank sides.

[1)] *Unswitched neutral (solid neutral terminal block).*

F200 >> ALUMINIUM VERSION - 16A÷160A >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	6P	Y3	IP66	150x210x107mm		**590.F2EM1606**	1/5
20A	2P	Y1	IP66	105x150x82mm		**590.F2EM2002**	1/12
	3P	Y1	IP66	105x150x82mm		**590.F2EM2003**	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.F2EM2005**	1/12
	1P+SN	Y1	IP66	105x150x82mm		**590.F2EM2002.SN** [1]	1/12
	3P+SN	Y1	IP66	105x150x82mm		**590.F2EM2005.SN** [1]	1/12
25A	6P	Y3	IP66	150x210x107mm		**590.F2EM2506**	1/5
32A	2P	Y1	IP66	105x150x82mm		**590.F2EM3202**	1/12
	3P	Y1	IP66	105x150x82mm		**590.F2EM3203**	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.F2EM3205**	1/12
	6P	Y3	IP66	150x210x107mm		**590.F2EM3206**	1/5
	1P+SN	Y1	IP66	105x150x82mm		**590.F2EM3202.SN** [1]	1/12
	3P+SN	Y1	IP66	105x150x82mm		**590.F2EM3205.SN** [1]	1/12
40A	2P	Y1	IP66	105x150x82mm		**590.F2EM4002**	1/12
	3P	Y1	IP66	105x150x82mm		**590.F2EM4003**	1/12
	3P+N	Y1	IP66	105x150x82mm		**590.F2EM4005**	1/12
	6P	Y3	IP66	150x210x107mm		**590.F2EM4006**	1/5
	1P+SN	Y1	IP66	105x150x82mm		**590.F2EM4002.SN** [1]	1/12
	3P+SN	Y1	IP66	105x150x82mm		**590.F2EM4005.SN** [1]	1/12
63A	2P	Y2	IP66	150x210x107mm		**590.F2EM6302**	1/5
	3P	Y2	IP66	150x210x107mm		**590.F2EM6303**	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.F2EM6305**	1/5
	6P	Y4	IP65	264x315x122mm		**590.F2EM6306**	1
	1P+SN	Y2	IP66	150x210x107mm		**590.F2EM6302.SN** [1]	1
	3P+SN	Y2	IP66	150x210x107mm		**590.F2EM6305.SN** [1]	1
80A	2P	Y2	IP66	150x210x107mm		**590.F2EM8002**	1/5
	3P	Y2	IP66	150x210x107mm		**590.F2EM8003**	1/5
	3P+N	Y2	IP66	150x210x107mm		**590.F2EM8005**	1/5
	6P	Y4	IP65	264x315x122mm		**590.F2EM8006**	1
	1P+SN	Y2	IP66	150x210x107mm		**590.F2EM8002.SN** [1]	1
	3P+SN	Y2	IP66	150x210x107mm		**590.F2EM8005.SN** [1]	1
100A	3P	Y4	IP66	150x210x107mm		**590.F2EM10003**	1/5
	3P+N	Y4	IP66	150x210x107mm		**590.F2EM10005**	1/5
	6P	Y4	IP65	264x315x122mm		**590.F2EM10006**	1
	3P+SN	Y4	IP66	150x210x107mm		**590.F2EM10005.SN** [1]	1
125A	3P	Y5	IP65	264x315x122mm		**590.F2EM12503**	1
	3P+N	Y5	IP65	264x315x122mm		**590.F2EM12505**	1
	6P	Y5	IP65	315x410x150mm		**590.F2EM12506**	1
	3P+SN	Y5	IP65	264x315x122mm		**590.F2EM12505.SN** [1]	1
160A	3P	Y5	IP65	315x410x150mm		**590.F2EM16003**	1
	3P+N	Y5	IP65	315x410x150mm		**590.F2EM16005**	1
	6P	Y5	IP65	315x410x150mm		**590.F2EM16006**	1
	3P+SN	Y5	IP65	315x410x150mm		**590.F2EM16005.SN** [1]	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank sides.

[1] *Unswitched neutral (solid neutral terminal block).*

F200 >> METAL VERSION (HR) >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
200A	3P	K2	IP65	300x500x200mm		**590.F2GE20003**	1
	3P+N	K2	IP65	300x500x200mm		**590.F2GE20005**	1
	6P	K2	IP65	600x800x300mm		**590.F2GE20006**	1
250A	3P	K2	IP65	300x500x200mm		**590.F2GE25003**	1
	3P+N	K2	IP65	300x500x200mm		**590.F2GE25005**	1
	6P	K2	IP65	600x800x300mm		**590.F2GE25006**	1
315A	3P	K3	IP65	400x600x200mm		**590.F2GE31503**	1
	3P+N	K3	IP65	400x600x200mm		**590.F2GE31505**	1
	6P	K3	IP65	800x800x300mm		**590.F2GE31506**	1
400A	3P	K3	IP65	400x600x200mm		**590.F2GE40003**	1
	3P+N	K3	IP65	400x600x200mm		**590.F2GE40005**	1
	6P	K3	IP65	800x800x300mm		**590.F2GE40006**	1
500A	3P	K3	IP65	500x700x250mm		**590.F2GE50003**[1)]	1
	3P+N	K3	IP65	500x700x250mm		**590.F2GE50005**[1)]	1
	6P	K3	IP65	800x800x300mm		**590.F2GE50006**	1
630A	3P	K4	IP65	500x700x250mm		**590.F2GE63003**[1)]	1
	3P+N	K4	IP65	500x700x250mm		**590.F2GE63005**[1)]	1
	6P	K4	IP65	1000x1000x300mm		**590.F2GE63006**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.

[1)] *Blank sides.*

F200 >> METAL VERSION (HR) >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
200A	3P	K2	IP65	300x500x200mm		**590.F2EM20003**	1
	3P+N	K2	IP65	300x500x200mm		**590.F2EM20005**	1
	6P	K2	IP65	600x800x300mm		**590.F2EM20006**	1
250A	3P	K2	IP65	300x500x200mm		**590.F2EM25003**	1
	3P+N	K2	IP65	300x500x200mm		**590.F2EM25005**	1
	6P	K2	IP65	600x800x300mm		**590.F2EM25006**	1
315A	3P	K3	IP65	400x600x200mm		**590.F2EM31503**	1
	3P+N	K3	IP65	400x600x200mm		**590.F2EM31505**	1
	6P	K3	IP65	800x800x300mm		**590.F2EM31506**	1
400A	3P	K3	IP65	400x600x200mm		**590.F2EM40003**	1
	3P+N	K3	IP65	400x600x200mm		**590.F2EM40005**	1
	6P	K3	IP65	800x800x300mm		**590.F2EM40006**	1
500A	3P	K3	IP65	500x700x250mm		**590.F2EM50003**[1)]	1
	3P+N	K3	IP65	500x700x250mm		**590.F2EM50005**[1)]	1
	6P	K3	IP65	800x800x300mm		**590.F2EM50006**	1
630A	3P	K4	IP65	500x700x250mm		**590.F2EM63003**[1)]	1
	3P+N	K4	IP65	500x700x250mm		**590.F2EM63005**[1)]	1
	6P	K4	IP65	1000x1000x300mm		**590.F2EM63006**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.

[1)] *Blank sides.*

F400 >> ALUMINIUM VERSION - 20A÷160A >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	2P	FR1	IP65	168x192x80mm		**590.FGE2002**	1
	3P	FR1	IP65	168x192x80mm		**590.FGE2003**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FGE2005**	1
	6P	FR1	IP65	217x253x93mm		**590.FGE2006**	1
32A	2P	FR1	IP65	168x192x80mm		**590.FGE3202**	1
	3P	FR1	IP65	168x192x80mm		**590.FGE3203**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FGE3205**	1
	6P	FR1	IP65	217x253x93mm		**590.FGE3206**	1
40A	2P	FR1	IP65	168x192x80mm		**590.FGE4002**	1
	3P	FR1	IP65	168x192x80mm		**590.FGE4003**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FGE4005**	1
	6P	FR1	IP65	217x253x93mm		**590.FGE4006**	1
63A	2P	FR2	IP65	217x253x93mm		**590.FGE6302**	1
	3P	FR2	IP65	217x253x93mm		**590.FGE6303**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FGE6305**	1
	6P	FR2	IP65	264x315x122mm		**590.FGE6306**	1
80A	2P	FR2	IP65	217x253x93mm		**590.FGE8002**	1
	3P	FR2	IP65	217x253x93mm		**590.FGE8003**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FGE8005**	1
	6P	FR2	IP65	264x315x122mm		**590.FGE8006**	1
100A	2P	FR2	IP65	217x253x93mm		**590.FGE10002**	1
	3P	FR2	IP65	217x253x93mm		**590.FGE10003**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FGE10005**	1
	6P	FR2	IP65	264x315x122mm		**590.FGE10006**	1
125A	3P	FR3	IP65	315x410x150mm		**590.FGE12503**	1
	3P+N	FR3	IP65	315x410x150mm		**590.FGE12505**	1
160A	3P	FR3	IP65	315x410x150mm		**590.FGE16003**	1
	3P+N	FR3	IP65	315x410x150mm		**590.FGE16005**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank sides.

F400 >> ALUMINIUM VERSION - 20A÷160A >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	2P	FR1	IP65	168x192x80mm		**590.FEM2002**	1
	3P	FR1	IP65	168x192x80mm		**590.FEM2003**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FEM2005**	1
	6P	FR1	IP65	217x253x93mm		**590.FEM2006**	1
32A	2P	FR1	IP65	168x192x80mm		**590.FEM3202**	1
	3P	FR1	IP65	168x192x80mm		**590.FEM3203**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FEM3205**	1
	6P	FR1	IP65	217x253x93mm		**590.FEM3206**	1
40A	2P	FR1	IP65	168x192x80mm		**590.FEM4002**	1
	3P	FR1	IP65	168x192x80mm		**590.FEM4003**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FEM4005**	1
	6P	FR1	IP65	217x253x93mm		**590.FEM4006**	1
63A	2P	FR2	IP65	217x253x93mm		**590.FEM6302**	1
	3P	FR2	IP65	217x253x93mm		**590.FEM6303**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FEM6305**	1
	6P	FR2	IP65	264x315x122mm		**590.FEM6306**	1
80A	2P	FR2	IP65	217x253x93mm		**590.FEM8002**	1
	3P	FR2	IP65	217x253x93mm		**590.FEM8003**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FEM8005**	1
	6P	FR2	IP65	264x315x122mm		**590.FEM8006**	1
100A	2P	FR2	IP65	217x253x93mm		**590.FEM10002**	1
	3P	FR2	IP65	217x253x93mm		**590.FEM10003**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FEM10005**	1
	6P	FR2	IP65	264x315x122mm		**590.FEM10006**	1
125A	3P	FR3	IP65	315x410x150mm		**590.FEM12503**	1
	3P+N	FR3	IP65	315x410x150mm		**590.FEM12505**	1
160A	3P	FR3	IP65	315x410x150mm		**590.FEM16003**	1
	3P+N	FR3	IP65	315x410x150mm		**590.FEM16005**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank sides.

F400 >> ALUMINIUM VERSION - 20A÷160A - WITH AUXILIARY CONTACTS >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	2P	FR1	IP65	168x192x80mm		**590.FGE2002.U**	1
	3P	FR1	IP65	168x192x80mm		**590.FGE2003.U**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FGE2005.U**	1
	6P	FR1	IP65	217x253x93mm		**590.FGE2006.U**	1
32A	2P	FR1	IP65	168x192x80mm		**590.FGE3202.U**	1
	3P	FR1	IP65	168x192x80mm		**590.FGE3203.U**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FGE3205.U**	1
	6P	FR1	IP65	217x253x93mm		**590.FGE3206.U**	1
40A	2P	FR1	IP65	168x192x80mm		**590.FGE4002.U**	1
	3P	FR1	IP65	168x192x80mm		**590.FGE4003.U**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FGE4005.U**	1
	6P	FR1	IP65	217x253x93mm		**590.FGE4006.U**	1
63A	2P	FR2	IP65	217x253x93mm		**590.FGE6302.U**	1
	3P	FR2	IP65	217x253x93mm		**590.FGE6303.U**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FGE6305.U**	1
	6P	FR2	IP65	264x315x122mm		**590.FGE6306.U**	1
80A	2P	FR2	IP65	217x253x93mm		**590.FGE8002.U**	1
	3P	FR2	IP65	217x253x93mm		**590.FGE8003.U**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FGE8005.U**	1
	6P	FR2	IP65	264x315x122mm		**590.FGE8006.U**	1
100A	2P	FR2	IP65	217x253x93mm		**590.FGE10002.U**	1
	3P	FR2	IP65	217x253x93mm		**590.FGE10003.U**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FGE10005.U**	1
	6P	FR2	IP65	264x315x122mm		**590.FGE10006.U**	1
125A	3P	FR3	IP65	315x410x150mm		**590.FGE12503.U**	1
	3P+N	FR3	IP65	315x410x150mm		**590.FGE12505.U**	1
160A	3P	FR3	IP65	315x410x150mm		**590.FGE16003.U**	1
	3P+N	FR3	IP65	315x410x150mm		**590.FGE16005.U**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank sides.
Equipped with NO/NC auxiliary contacts.

F400 >> ALUMINIUM VERSION - 20A÷160A - WITH AUXILIARY CONTACTS >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
20A	2P	FR1	IP65	168x192x80mm		**590.FEM2002.U**	1
	3P	FR1	IP65	168x192x80mm		**590.FEM2003.U**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FEM2005.U**	1
	6P	FR1	IP65	217x253x93mm		**590.FEM2006.U**	1
32A	2P	FR1	IP65	168x192x80mm		**590.FEM3202.U**	1
	3P	FR1	IP65	168x192x80mm		**590.FEM3203.U**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FEM3205.U**	1
	6P	FR1	IP65	217x253x93mm		**590.FEM3206.U**	1
40A	2P	FR1	IP65	168x192x80mm		**590.FEM4002.U**	1
	3P	FR1	IP65	168x192x80mm		**590.FEM4003.U**	1
	3P+N	FR1	IP65	168x192x80mm		**590.FEM4005.U**	1
	6P	FR1	IP65	217x253x93mm		**590.FEM4006.U**	1
63A	2P	FR2	IP65	217x253x93mm		**590.FEM6302.U**	1
	3P	FR2	IP65	217x253x93mm		**590.FEM6303.U**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FEM6305.U**	1
	6P	FR2	IP65	264x315x122mm		**590.FEM6306.U**	1
80A	2P	FR2	IP65	217x253x93mm		**590.FEM8002.U**	1
	3P	FR2	IP65	217x253x93mm		**590.FEM8003.U**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FEM8005.U**	1
	6P	FR2	IP65	264x315x122mm		**590.FEM8006.U**	1
100A	2P	FR2	IP65	217x253x93mm		**590.FEM10002.U**	1
	3P	FR2	IP65	217x253x93mm		**590.FEM10003.U**	1
	3P+N	FR2	IP65	217x253x93mm		**590.FEM10005.U**	1
	6P	FR2	IP65	264x315x122mm		**590.FEM10006.U**	1
125A	3P	FR3	IP65	315x410x150mm		**590.FEM12503.U**	1
	3P+N	FR3	IP65	315x410x150mm		**590.FEM12505.U**	1
160A	3P	FR3	IP65	315x410x150mm		**590.FEM16003.U**	1
	3P+N	FR3	IP65	315x410x150mm		**590.FEM16005.U**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank sides.
Equipped with NO/NC auxiliary contacts.

F400 >> METAL VERSION - 125A÷160A >> FOR GENERAL USE



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
125A	6P	FR3	IP65	400x500x200mm		**590.FGE12506**	1
160A	6P	FR3	IP65	400x500x200mm		**590.FGE16006**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.

Type: GENERAL

F400 >> METAL VERSION - 125A÷160A >> FOR EMERGENCY USE



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
125A	6P	FR3	IP65	400x500x200mm		**590.FEM12506**	1
160A	6P	FR3	IP65	400x500x200mm		**590.FEM16006**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.

Type: EMERGENCY

F400 >> METAL VERSION - 125A÷160A - WITH AUXILIARY CONTACTS >> FOR GENERAL USE



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
125A	6P	FR3	IP65	400x500x200mm		**590.FGE12506.U**	1
160A	6P	FR3	IP65	400x500x200mm		**590.FGE16006.U**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.
Equipped with NO/NC auxiliary contacts.

Type: GENERAL

F400 >> METAL VERSION - 125A÷160A - WITH AUXILIARY CONTACTS >> FOR EMERGENCY USE



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
125A	6P	FR3	IP65	400x500x200mm		**590.FEM12506.U**	1
160A	6P	FR3	IP65	400x500x200mm		**590.FEM16006.U**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.
Equipped with NO/NC auxiliary contacts.

Type: EMERGENCY

F400 >> METAL VERSION (HR) >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
200A	3P	FR4	IP65	500x700x200mm		**590.FGE20003**	1
	3P+N	FR4	IP65	500x700x200mm		**590.FGE20005**	1
	6P	FR4	IP65	600x800x300mm		**590.FGE20006**	1
250A	3P	FR4	IP65	500x700x200mm		**590.FGE25003**	1
	3P+N	FR4	IP65	500x700x200mm		**590.FGE25005**	1
	6P	FR4	IP65	600x800x300mm		**590.FGE25006**	1
315A	3P	FR5	IP65	500x700x250mm		**590.FGE31503**	1
	3P+N	FR5	IP65	500x700x250mm		**590.FGE31505**	1
	6P	FR5	IP65	800x800x300mm		**590.FGE31506**	1
400A	3P	FR5	IP65	500x700x250mm		**590.FGE40003**	1
	3P+N	FR5	IP65	500x700x250mm		**590.FGE40005**	1
	6P	FR5	IP65	800x800x300mm		**590.FGE40006**	1
630A	3P	FR6	IP65	800x800x300mm		**590.FGE63003**	1
	3P+N	FR6	IP65	800x800x300mm		**590.FGE63005**	1
	6P	FR6	IP65	800x1000x300mm		**590.FGE63006**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.

F400 >> METAL VERSION (HR) >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
200A	3P	FR4	IP65	500x700x200mm		**590.FEM20003**	1
	3P+N	FR4	IP65	500x700x200mm		**590.FEM20005**	1
	6P	FR4	IP65	600x800x300mm		**590.FEM20006**	1
250A	3P	FR4	IP65	500x700x200mm		**590.FEM25003**	1
	3P+N	FR4	IP65	500x700x200mm		**590.FEM25005**	1
	6P	FR4	IP65	600x800x300mm		**590.FEM25006**	1
315A	3P	FR5	IP65	500x700x250mm		**590.FEM31503**	1
	3P+N	FR5	IP65	500x700x250mm		**590.FEM31505**	1
	6P	FR5	IP65	800x800x300mm		**590.FEM31506**	1
400A	3P	FR5	IP65	500x700x250mm		**590.FEM40003**	1
	3P+N	FR5	IP65	500x700x250mm		**590.FEM40005**	1
	6P	FR5	IP65	800x800x300mm		**590.FEM40006**	1
630A	3P	FR6	IP65	800x800x300mm		**590.FEM63003**	1
	3P+N	FR6	IP65	800x800x300mm		**590.FEM63005**	1
	6P	FR6	IP65	800x1000x300mm		**590.FEM63006**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.

F400 >> METAL VERSION (HR) - WITH AUXILIARY CONTACTS >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
200A	3P	FR4	IP65	500x700x200mm		**590.FGE20003.U**	1
	3P+N	FR4	IP65	500x700x200mm		**590.FGE20005.U**	1
	6P	FR4	IP65	600x800x300mm		**590.FGE20006.U**	1
250A	3P	FR4	IP65	500x700x200mm		**590.FGE25003.U**	1
	3P+N	FR4	IP65	500x700x200mm		**590.FGE25005.U**	1
	6P	FR4	IP65	600x800x300mm		**590.FGE25006.U**	1
315A	3P	FR5	IP65	500x700x250mm		**590.FGE31503.U**	1
	3P+N	FR5	IP65	500x700x250mm		**590.FGE31505.U**	1
	6P	FR5	IP65	800x800x300mm		**590.FGE31506.U**	1
400A	3P	FR5	IP65	500x700x250mm		**590.FGE40003.U**	1
	3P+N	FR5	IP65	500x700x250mm		**590.FGE40005.U**	1
	6P	FR5	IP65	800x800x300mm		**590.FGE40006.U**	1
630A	3P	FR6	IP65	800x800x300mm		**590.FGE63003.U**	1
	3P+N	FR6	IP65	800x800x300mm		**590.FGE63005.U**	1
	6P	FR6	IP65	800x1000x300mm		**590.FGE63006.U**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.
Equipped with NO/NC auxiliary contacts.

F400 >> METAL VERSION (HR) - WITH AUXILIARY CONTACTS >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
200A	3P	FR4	IP65	500x700x200mm		**590.FEM20003.U**	1
	3P+N	FR4	IP65	500x700x200mm		**590.FEM20005.U**	1
	6P	FR4	IP65	600x800x300mm		**590.FEM20006.U**	1
250A	3P	FR4	IP65	500x700x200mm		**590.FEM25003.U**	1
	3P+N	FR4	IP65	500x700x200mm		**590.FEM25005.U**	1
	6P	FR4	IP65	600x800x300mm		**590.FEM25006.U**	1
315A	3P	FR5	IP65	500x700x250mm		**590.FEM31503.U**	1
	3P+N	FR5	IP65	500x700x250mm		**590.FEM31505.U**	1
	6P	FR5	IP65	800x800x300mm		**590.FEM31506.U**	1
400A	3P	FR5	IP65	500x700x250mm		**590.FEM40003.U**	1
	3P+N	FR5	IP65	500x700x250mm		**590.FEM40005.U**	1
	6P	FR5	IP65	800x800x300mm		**590.FEM40006.U**	1
630A	3P	FR6	IP65	800x800x300mm		**590.FEM63003.U**	1
	3P+N	FR6	IP65	800x800x300mm		**590.FEM63005.U**	1
	6P	FR6	IP65	800x1000x300mm		**590.FEM63006.U**	1

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Gland plate cable entry on bottom side.
Equipped with NO/NC auxiliary contacts.





ISOLATORS-PV Series

ISOLATORS-PV is a complete range of switch-disconnectors with thermoplastic enclosure and an exclusively black knob. They are used in photovoltaic applications, where the IEC 60364-7-712 standard prescribes the need to isolate the photovoltaic panel from the rest of the system. This is made possible by disconnectors that operate in DC current, thus ensuring higher performance than those in AC alternating current.

technical sheet **p. 826**

Technical information

Main characteristics



- 01 Door locking with handle in the ON position
- 02 Recessed XXL handle to prevent breakage due to accidental impacts
- 03 PV1/PV2 and DC21 utilization category
- 04 Handle padlockable in the OFF (emergency use) and ON and OFF (general use) position
- 05 High visibility handle and plate
- 06 Knockout cable entries
- 07 Reversible base
- 08 External and integrated fixing points
- 09 Blank side with drilling point marks

FOR GENERAL USE [SINGLE STRING] 450V - DC



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	2P	D1	IP66/IP69	110x150x87mm		**590.DCGE0416**	1/12

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.

Type: GENERAL

FOR GENERAL USE [SINGLE STRING] 1000V - DC



Current	Poles	Switch size	IP	Dimensions	Colour	Code	
12A	2P	D2	IP66/IP69	110x150x87mm		**590.DCGE11012**	1/12
16A	2P	D2	IP66/IP69	110x150x87mm		**590.DCGE11016**	1/12
20A	2P	D2	IP66/IP69	110x150x87mm		**590.DCGE11020**	1/12
30A	2P	D2	IP66/IP69	110x150x87mm		**590.DCGE11030**	1/12
40A	2P	D2	IP66/IP69	110x150x87mm		**590.DCGE11040**	1/12

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.
For different voltage values see the related table in the technical info pages.

Type: GENERAL

FOR GENERAL USE [DOUBLE STRING] 1000V - DC

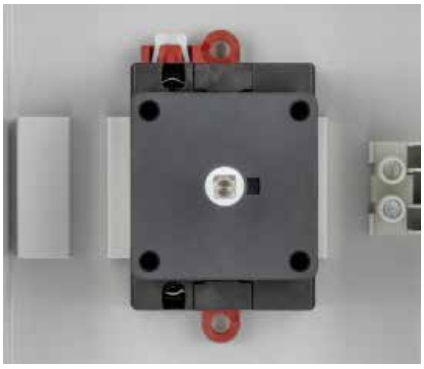


Current	Poles	Switch size	IP	Dimensions	Colour	Code	
12A	4P	D2	IP66/IP69	160x220x115mm		**590.DCGE21012**	1/5
16A	4P	D2	IP66/IP69	160x220x115mm		**590.DCGE21016**	1/5
20A	4P	D2	IP66/IP69	160x220x115mm		**590.DCGE21020**	1/5
30A	4P	D2	IP66/IP69	160x220x115mm		**590.DCGE21030**	1/5
40A	4P	D2	IP66/IP69	160x220x115mm		**590.DCGE21040**	1/5

Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.
Blank side with drilling point marks on top side base.
Break-through cable entries on bottom side base.
Reversible base.
For different voltage values see the related table in the technical info pages.

Type: GENERAL

PV array DC switch-disconnector



The new switches have the highest switching power on the market thanks to the employed materials which have been carefully studied for both, the contacts which are built with an exclusive alloy specifically studied, and the insulated materials used for housing and components with outstanding dielectric characteristics.
Moreover, the speed and force of the contact operations are independent from the manual action of operator.
The internal mechanical switching device stores the energy operation from manual power and releases it in one continuous operation ensuring a very fast break/make movement and reducing the time of the electric arc to better guarantees its extinction.
Each pole has a double rotary knife contact able to break the load at 1000V, 1200V or even 1500V, thus there is no need to connect more poles in series.
The wiring is facilitate by the easy identification to positive (+) and negative (-) inputs, red for positive inputs/outputs and black for negative inputs/outputs. The terminals position permits to connect both the input and output cables in a linear way and a trouble-free use of the screwdriver.



Accessories

Door locking kit, auxiliary contacts and terminal cover are useful add-ons to the range of switch-diconnectors.

CONTACT BLOCKS



Description	Colour	Switch size	Notes	Code	
NC CONTACT		F1 Y1 D1	16A 690V~ - 6A 230V~ AC15	**590.PL004001** [2) 3)]	10/60
		Y2	16A 690V~ - 6A 230V~ AC15	**590.PL004003** [2) 3)]	10
NO CONTACT		F1 Y1 D1	16A 690V~ - 6A 230V~ AC15	**590.PL004002** [1) 3)]	10/60
		Y2	16A 690V~ - 6A 230V~ AC15	**590.PL004004** [1) 3)]	10
AUXILIARY CONTACT 1NO+1NC		KF1 KF2 K1 K2		**590.PL006011** [4)]	10
		KF3 KF5 K3 K5 K6		**590.PL006012** [4)]	10
		KF4 K4		**590.PL006013** [4)]	10
CHANGE OVER CONTACT		F1 Y3 Y4 Y5 C1 C2 C3 D3 D5	15A 250V~ - 10A 415V~	**590.PL005** [4)]	50
		Y1	15A 250V~ - 10A 415V~	**590.PL004005** [4)]	10
		Y2	15A 250V~ - 10A 415V~	**590.PL004006** [4)]	10
		FR1 FR2 FR3	5A 125V~ - 3A 250V~	**590.PL004008** [4)]	5
		FR4 FR5 FR6	5A 125V~ - 3A 250V~	**590.PL004009** [4)]	5
AUXILIARY CONTACT 2NA+2NC		KF1 KF2 K1 K2		**590.PL006021** [4)]	10
		KF3 KF5 K3 K5 K6		**590.PL006022** [4)]	10
		KF4 K4		**590.PL006023** [4)]	10

[1)] *NO=Normally open.*
[2)] *NC=Normally closed.*
[3)] *Snap catch.*
[4)] *Break before main contacts.*


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FUSE SWITCH-DISCONNECTORS

ISOLATORS-TP SERIES p. 356
Enclosed fuse switch-disconnectors in thermoplastic enclosure



ISOLATORS-AL SERIES p. 358
Enclosed fuse switch-disconnectors in die-cast aluminium enclosure



ISOLATORS-HR SERIES p. 360
Enclosed fuse switch-disconnectors in metal enclosure with hinged door



ACCESSORIES p. 363
Installation accessories





ISOLATORS-TP Series

ISOLATORS-TP is a complete range of fuse switch-disconnectors with highly resistant thermoplastic enclosure and is suitable for most industrial and tertiary applications, thanks to the high degree of protection IP55.

The high-visibility knob ensures an always optimal grip.

The large internal wiring space ensures easy wiring operations.

The fuse switch-disconnectors are a compact solution for protection against overloads and short circuits, which adds to the characteristics of disconnection and operation under load.

technical sheet **p. 836**

FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	Fuse type	IP	Dimensions	Colour	Code	
16A	2P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.GEF1602** 2)	1
	3P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.GEF1603** 2)	1
	4P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.GEF1604** 2)	1
	3P+N	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.GEF1605** 2)	1
32A	2P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.GEF3202** 2)	1
	3P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.GEF3203** 2)	1
	4P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.GEF3204** 2)	1
	3P+N	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.GEF3205** 2)	1
63A	3P	KF1	DIN-NH	IP55	300x380x170mm		**590.GED6303** 1)	1
	3P	KF1	BS	IP55	300x380x170mm		**590.GEB6303** 1)	1
	3P+N	KF1	DIN-NH	IP55	300x380x170mm		**590.GED6305** 1)	1
	3P+N	KF1	BS	IP55	300x380x170mm		**590.GEB6305** 1)	1
80A	3P	KF1	DIN-NH	IP55	300x380x170mm		**590.GED8003** 1)	1
	3P	KF1	BS	IP55	300x380x170mm		**590.GEB8003** 1)	1
	3P+N	KF1	DIN-NH	IP55	300x380x170mm		**590.GED8005** 1)	1
	3P+N	KF1	BS	IP55	300x380x170mm		**590.GEB8005** 1)	1
100A	3P	KF2	DIN-NH	IP55	370x450x180mm		**590.GED10003** 1)	1
	3P	KF2	BS	IP55	370x450x180mm		**590.GEB10003** 1)	1
	3P+N	KF2	DIN-NH	IP55	370x450x180mm		**590.GED10005** 1)	1
	3P+N	KF2	BS	IP55	370x450x180mm		**590.GEB10005** 1)	1
125A	3P	KF2	DIN-NH	IP55	370x450x180mm		**590.GED12503** 1)	1
	3P	KF2	BS	IP55	370x450x180mm		**590.GEB12503** 1)	1
	3P+N	KF2	DIN-NH	IP55	370x450x180mm		**590.GED12505** 1)	1
	3P+N	KF2	BS	IP55	370x450x180mm		**590.GEB12505** 1)	1
160A	3P	KF2	DIN-NH	IP55	370x450x180mm		**590.GED16003** 1)	1
	3P	KF2	BS	IP55	370x450x180mm		**590.GEB16003** 1)	1
	3P+N	KF2	DIN-NH	IP55	370x450x180mm		**590.GED16005** 1)	1
	3P+N	KF2	BS	IP55	370x450x180mm		**590.GEB16005** 1)	1

Fuses not supplied.
Blank sides.

1) *Handle padlockable in OFF position only (3 padlocks).*
2) *Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.*

FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	Fuse type	IP	Dimensions	Colour	Code	
16A	2P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.EMF1602** 2)	1
	3P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.EMF1603** 2)	1
	4P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.EMF1604** 2)	1
	3P+N	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.EMF1605** 2)	1
32A	2P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.EMF3202** 2)	1
	3P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.EMF3203** 2)	1
	4P	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.EMF3204** 2)	1
	3P+N	F1	gG 10,3x38mm	IP55	190x240x125mm		**590.EMF3205** 2)	1
63A	3P	KF1	DIN-NH	IP55	300x380x170mm		**590.EMD6303** 1)	1
	3P	KF1	BS	IP55	300x380x170mm		**590.EMB6303** 1)	1
	3P+N	KF1	DIN-NH	IP55	300x380x170mm		**590.EMD6305** 1)	1
	3P+N	KF1	BS	IP55	300x380x170mm		**590.EMB6305** 1)	1
80A	3P	KF1	DIN-NH	IP55	300x380x170mm		**590.EMD8003** 1)	1
	3P	KF1	BS	IP55	300x380x170mm		**590.EMB8003** 1)	1
	3P+N	KF1	DIN-NH	IP55	300x380x170mm		**590.EMD8005** 1)	1
	3P+N	KF1	BS	IP55	300x380x170mm		**590.EMB8005** 1)	1
100A	3P	KF2	DIN-NH	IP55	370x450x180mm		**590.EMD10003** 1)	1
	3P	KF2	BS	IP55	370x450x180mm		**590.EMB10003** 1)	1
	3P+N	KF2	DIN-NH	IP55	370x450x180mm		**590.EMD10005** 1)	1
	3P+N	KF2	BS	IP55	370x450x180mm		**590.EMB10005** 1)	1
125A	3P	KF2	DIN-NH	IP55	370x450x180mm		**590.EMD12503** 1)	1
	3P	KF2	BS	IP55	370x450x180mm		**590.EMB12503** 1)	1
	3P+N	KF2	DIN-NH	IP55	370x450x180mm		**590.EMD12505** 1)	1
	3P+N	KF2	BS	IP55	370x450x180mm		**590.EMB12505** 1)	1
160A	3P	KF2	DIN-NH	IP55	370x450x180mm		**590.EMD16003** 1)	1
	3P	KF2	BS	IP55	370x450x180mm		**590.EMB16003** 1)	1
	3P+N	KF2	DIN-NH	IP55	370x450x180mm		**590.EMD16005** 1)	1
	3P+N	KF2	BS	IP55	370x450x180mm		**590.EMB16005** 1)	1

Fuses not supplied.
Blank sides.

1) *Handle padlockable in OFF position only (3 padlocks).*
2) *Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.*



ISOLATORS-AL Series

ISOLATORS-AL is a complete range of fuse switch-disconnectors with die-cast aluminum enclosure protected with polyurethane epoxy paints.

For this reason, it is particularly suitable for applications where high resistance to chemicals, humidity and dust (IP65) is required, as well as maximum mechanical resistance to stress (IK10).

The fuse switch-disconnectors are a compact solution for protection against overloads and short circuits, which adds to the characteristics of disconnection and operation under load.

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FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	Fuse type	IP	Dimensions	Colour	Code	
16A	2P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HGEF1602** 2)	1
	3P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HGEF1603** 2)	1
	4P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HGEF1604** 2)	1
	3P+N	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HGEF1605** 2)	1
32A	2P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HGEF3202** 2)	1
	3P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HGEF3203** 2)	1
	4P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HGEF3204** 2)	1
	3P+N	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HGEF3205** 2)	1
63A	3P	KF1	DIN-NH	IP65	315x410x150mm		**590.HGED6303** 1)	1
	3P	KF1	BS	IP65	315x410x150mm		**590.HGEB6303** 1)	1
	3P+N	KF1	DIN-NH	IP65	315x410x150mm		**590.HGED6305** 1)	1
	3P+N	KF1	BS	IP65	315x410x150mm		**590.HGEB6305** 1)	1
80A	3P	KF1	DIN-NH	IP65	315x410x150mm		**590.HGED8003** 1)	1
	3P	KF1	BS	IP65	315x410x150mm		**590.HGEB8003** 1)	1
	3P+N	KF1	DIN-NH	IP65	315x410x150mm		**590.HGED8005** 1)	1
	3P+N	KF1	BS	IP65	315x410x150mm		**590.HGEB8005** 1)	1

Fuses not supplied.
Blank sides.

1) *Handle padlockable in OFF position only (3 padlocks).*
2) *Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.*

FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	Fuse type	IP	Dimensions	Colour	Code	
16A	2P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HEMF1602** 2)	1
	3P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HEMF1603** 2)	1
	4P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HEMF1604** 2)	1
	3P+N	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HEMF1605** 2)	1
32A	2P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HEMF3202** 2)	1
	3P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HEMF3203** 2)	1
	4P	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HEMF3204** 2)	1
	3P+N	F1	gG 10,3x38mm	IP65	217x253x93mm		**590.HEMF3205** 2)	1
63A	3P	KF1	DIN-NH	IP65	315x410x150mm		**590.HEMD6303** 1)	1
	3P	KF1	BS	IP65	315x410x150mm		**590.HEMB6303** 1)	1
	3P+N	KF1	DIN-NH	IP65	315x410x150mm		**590.HEMD6305** 1)	1
	3P+N	KF1	BS	IP65	315x410x150mm		**590.HEMB6305** 1)	1
80A	3P	KF1	DIN-NH	IP65	315x410x150mm		**590.HEMD8003** 1)	1
	3P	KF1	BS	IP65	315x410x150mm		**590.HEMB8003** 1)	1
	3P+N	KF1	DIN-NH	IP65	315x410x150mm		**590.HEMD8005** 1)	1
	3P+N	KF1	BS	IP65	315x410x150mm		**590.HEMB8005** 1)	1

Fuses not supplied.
Blank sides.

1) *Handle padlockable in OFF position only (3 padlocks).*
2) *Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.*



ISOLATORS-HR Series

ISOLATORS-HR (High Rating) is a complete range of fuse switch-disconnectors with painted sheet steel enclosure with hinged door.

The width of the enclosure allows the wiring of cables of large sections, necessary for high power applications and with long power lines, while the high electrical performance guarantees absolute resistance to short circuits caused by high currents.

The fuse switch-disconnectors are a compact solution for protection against overloads and short circuits, which adds to the characteristics of disconnection and operation under load.

technical sheet **p. 812**

FOR GENERAL USE - TOP/BOTTOM



Type: GENERAL

Current	Poles	Switch size	Fuse type	IP	Dimensions	Colour	Code	
100A	3P	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED10003**	1
	3P	KF2	BS	IP65	300x500x200mm		**590.KGEB10003**	1
	3P+N	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED10005**	1
	3P+N	KF2	BS	IP65	300x500x200mm		**590.KGEB10005**	1
125A	3P	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED12503**	1
	3P	KF2	BS	IP65	300x500x200mm		**590.KGEB12503**	1
	3P+N	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED12505**	1
	3P+N	KF2	BS	IP65	300x500x200mm		**590.KGEB12505**	1
160A	3P	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED16003**	1
	3P	KF2	BS	IP65	300x500x200mm		**590.KGEB16003**	1
	3P+N	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED16005**	1
	3P+N	KF2	BS	IP65	300x500x200mm		**590.KGEB16005**	1
200A	3P	KF3	DIN-NH	IP65	400x600x200mm		**590.KGED20003**	1
	3P	KF3	BS	IP65	400x600x200mm		**590.KGEB20003**	1
	3P+N	KF3	DIN-NH	IP65	400x600x200mm		**590.KGED20005**	1
	3P+N	KF3	BS	IP65	400x600x200mm		**590.KGEB20005**	1
250A	3P	KF3	DIN-NH	IP65	400x600x200mm		**590.KGED25003**	1
	3P	KF3	BS	IP65	400x600x200mm		**590.KGEB25003**	1
	3P+N	KF3	DIN-NH	IP65	400x600x200mm		**590.KGED25005**	1
	3P+N	KF3	BS	IP65	400x600x200mm		**590.KGEB25005**	1
315A	3P	KF4	DIN-NH	IP65	500x700x250mm		**590.KGED31503**	1
	3P	KF4	BS	IP65	500x700x250mm		**590.KGEB31503**	1
	3P+N	KF4	DIN-NH	IP65	500x700x250mm		**590.KGED31505**	1
	3P+N	KF4	BS	IP65	500x700x250mm		**590.KGEB31505**	1
400A	3P	KF4	DIN-NH	IP65	500x700x250mm		**590.KGED40003**	1
	3P	KF4	BS	IP65	500x700x250mm		**590.KGEB40003**	1
	3P+N	KF4	DIN-NH	IP65	500x700x250mm		**590.KGED40005**	1
	3P+N	KF4	BS	IP65	500x700x250mm		**590.KGEB40005**	1
630A	3P	KF5	DIN-NH	IP65	600x800x300mm		**590.KGED63003**	1
	3P	KF5	BS	IP65	600x800x300mm		**590.KGEB63003**	1
	3P+N	KF5	DIN-NH	IP65	600x800x300mm		**590.KGED63005**	1
	3P+N	KF5	BS	IP65	600x800x300mm		**590.KGEB63005**	1

Fuses not supplied.
Handle padlockable in OFF position only (3 padlocks).
TOP/BOTTOM = Top/Bottom connection.
Gland plate cable entry on bottom side.

FOR GENERAL USE - BOTTOM/BOTTOM



Type: GENERAL

Current	Poles	Switch size	Fuse type	IP	Dimensions	Colour	Code	
100A	3P	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED10003B**	1
	3P	KF2	BS	IP65	300x500x200mm		**590.KGEB10003B**	1
	3P+N	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED10005B**	1
	3P+N	KF2	BS	IP65	300x500x200mm		**590.KGEB10005B**	1
125A	3P	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED12503B**	1
	3P	KF2	BS	IP65	300x500x200mm		**590.KGEB12503B**	1
	3P+N	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED12505B**	1
	3P+N	KF2	BS	IP65	300x500x200mm		**590.KGEB12505B**	1
160A	3P	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED16003B**	1
	3P	KF2	BS	IP65	300x500x200mm		**590.KGEB16003B**	1
	3P+N	KF2	DIN-NH	IP65	300x500x200mm		**590.KGED16005B**	1
	3P+N	KF2	BS	IP65	300x500x200mm		**590.KGEB16005B**	1
200A	3P	KF3	DIN-NH	IP65	400x600x250mm		**590.KGED20003B**	1
	3P	KF3	BS	IP65	400x600x250mm		**590.KGEB20003B**	1
	3P+N	KF3	DIN-NH	IP65	400x600x250mm		**590.KGED20005B**	1
	3P+N	KF3	BS	IP65	400x600x250mm		**590.KGEB20005B**	1
250A	3P	KF3	DIN-NH	IP65	400x600x250mm		**590.KGED25003B**	1
	3P	KF3	BS	IP65	400x600x250mm		**590.KGEB25003B**	1
	3P+N	KF3	DIN-NH	IP65	400x600x250mm		**590.KGED25005B**	1
	3P+N	KF3	BS	IP65	400x600x250mm		**590.KGEB25005B**	1

Fuses not supplied.
Handle padlockable in OFF position only (3 padlocks).
Gland plate cable entry on bottom side.
BOTTOM/BOTTOM = Bottom/Bottom connection with busbar.

FOR EMERGENCY USE - TOP/BOTTOM



Type: EMERGENCY

Current	Poles	Switch size	Fuse type	IP	Dimensions	Colour	Code	
100A	3P	KF2	DIN-NH	IP65	300x500x200mm		**590.KEMD10003**	1
	3P	KF2	BS	IP65	300x500x200mm		**590.KEMB10003**	1
	3P+N	KF2	DIN-NH	IP65	300x500x200mm		**590.KEMD10005**	1
	3P+N	KF2	BS	IP65	300x500x200mm		**590.KEMB10005**	1
125A	3P	KF2	DIN-NH	IP65	300x500x200mm		**590.KEMD12503**	1
	3P	KF2	BS	IP65	300x500x200mm		**590.KEMB12503**	1
	3P+N	KF2	DIN-NH	IP65	300x500x200mm		**590.KEMD12505**	1
	3P+N	KF2	BS	IP65	300x500x200mm		**590.KEMB12505**	1
160A	3P	KF2	DIN-NH	IP65	300x500x200mm		**590.KEMD16003**	1
	3P	KF2	BS	IP65	300x500x200mm		**590.KEMB16003**	1
	3P+N	KF2	DIN-NH	IP65	300x500x200mm		**590.KEMD16005**	1
	3P+N	KF2	BS	IP65	300x500x200mm		**590.KEMB16005**	1
200A	3P	KF3	DIN-NH	IP65	400x600x200mm		**590.KEMD20003**	1
	3P	KF3	BS	IP65	400x600x200mm		**590.KEMB20003**	1
	3P+N	KF3	DIN-NH	IP65	400x600x200mm		**590.KEMD20005**	1
	3P+N	KF3	BS	IP65	400x600x200mm		**590.KEMB20005**	1
250A	3P	KF3	DIN-NH	IP65	400x600x200mm		**590.KEMD25003**	1
	3P	KF3	BS	IP65	400x600x200mm		**590.KEMB25003**	1
	3P+N	KF3	DIN-NH	IP65	400x600x200mm		**590.KEMD25005**	1
	3P+N	KF3	BS	IP65	400x600x200mm		**590.KEMB25005**	1
315A	3P	KF4	DIN-NH	IP65	500x700x250mm		**590.KEMD31503**	1
	3P	KF4	BS	IP65	500x700x250mm		**590.KEMB31503**	1
	3P+N	KF4	DIN-NH	IP65	500x700x250mm		**590.KEMD31505**	1
	3P+N	KF4	BS	IP65	500x700x250mm		**590.KEMB31505**	1
400A	3P	KF4	DIN-NH	IP65	500x700x250mm		**590.KEMD40003**	1
	3P	KF4	BS	IP65	500x700x250mm		**590.KEMB40003**	1
	3P+N	KF4	DIN-NH	IP65	500x700x250mm		**590.KEMD40005**	1
	3P+N	KF4	BS	IP65	500x700x250mm		**590.KEMB40005**	1
630A	3P	KF5	DIN-NH	IP65	600x800x300mm		**590.KEMD63003**	1
	3P	KF5	BS	IP65	600x800x300mm		**590.KEMB63003**	1
	3P+N	KF5	DIN-NH	IP65	600x800x300mm		**590.KEMD63005**	1
	3P+N	KF5	BS	IP65	600x800x300mm		**590.KEMB63005**	1

Fuses not supplied.
Handle padlockable in OFF position only (3 padlocks).
TOP/BOTTOM = Top/Bottom connection.
Gland plate cable entry on bottom side.



Accessories

Door locking kit, auxiliary contacts and terminal cover are useful add-ons to the range of switch-diconnectors.

CONTACT BLOCKS



Description	Colour	Switch size	Notes	Code	
NC CONTACT		F1 Y1 D1	16A 690V~ - 6A 230V~ AC15	**590.PL004001** [2) 3)]	10/60
NO CONTACT		F1 Y1 D1	16A 690V~ - 6A 230V~ AC15	**590.PL004002** [1) 3)]	10/60
AUXILIARY CONTACT 1NO+1NC		KF1 KF2 K1 K2		**590.PL006011** [4)]	10
		KF3 KF5 K3 K5 K6		**590.PL006012** [4)]	10
		KF4 K4		**590.PL006013** [4)]	10
AUXILIARY CONTACT 2NA+2NC		KF1 KF2 K1 K2		**590.PL006021** [4)]	10
		KF3 KF5 K3 K5 K6		**590.PL006022** [4)]	10
		KF4 K4		**590.PL006023** [4)]	10

[1)] *NO=Normally open.*
[2)] *NC=Normally closed.*
[3)] *Snap catch.*
[4)] *Break before main contacts.*


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CHANGE-OVER SWITCHES

ISOLATORS-TP SERIES p. 366
Enclosed change-over switches I-0-II in thermoplastic enclosure



ISOLATORS-AL SERIES p. 367
Enclosed change-over switches I-0-II in die-cast aluminium enclosure



ISOLATORS-INOX SERIES p. 368
Enclosed change-over switches I-0-II in stainless steel enclosure



ISOLATORS-HR SERIES p. 369
Enclosed change-over switches I-0-II in metal enclosure with hinged door



ACCESSORIES p. 370
Installation accessories





ISOLATORS-TP Series

ISOLATORS-TP is a complete range of I-0-II change-over switches with highly resistant thermoplastic enclosure suitable for most industrial and tertiary applications, thanks to the high IP degree of protection.

The high-visibility knob ensures an always optimal grip.

The large internal wiring space ensures easy wiring operations.

The enclosed I-0-II change-over switches offer the possibility of managing normal and/or emergency lines, as well as the possibility of reversing the motors.

technical sheet **p. 839**

FOR GENERAL USE - I-0-II



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	3P	C1	IP65	155x210x107mm		**590.GE1603-C**	1/5
	3P+N	C1	IP65	155x210x107mm		**590.GE1605-C**	1/5
25A	3P	C1	IP65	155x210x107mm		**590.GE2503-C**	1/5
	3P+N	C1	IP65	155x210x107mm		**590.GE2505-C**	1/5
32A	3P	C1	IP65	155x210x107mm		**590.GE3203-C**	1/5
	3P+N	C1	IP65	155x210x107mm		**590.GE3205-C**	1/5
40A	3P	C1	IP65	155x210x107mm		**590.GE4003-C**	1/5
	3P+N	C1	IP65	155x210x107mm		**590.GE4005-C**	1/5
63A	3P	C2	IP55	228x308x128mm		**590.GE6303-C**	1
	3P+N	C2	IP55	228x308x128mm		**590.GE6305-C**	1
80A	3P	C2	IP55	228x308x128mm		**590.GE8003-C**	1
	3P+N	C2	IP55	228x308x128mm		**590.GE8005-C**	1
100A	3P	C2	IP55	228x308x128mm		**590.GE10003-C**	1
	3P+N	C2	IP55	228x308x128mm		**590.GE10005-C**	1
125A	3P	C3	IP55	308x388x128mm		**590.GE12503-C**	1
	3P+N	C3	IP55	308x388x128mm		**590.GE12505-C**	1
160A	3P	C3	IP55	308x388x128mm		**590.GE16003-C**	1
	3P+N	C3	IP55	308x388x128mm		**590.GE16005-C**	1

Handle padlockable in OFF position only (3 padlocks).
Blank sides.





ISOLATORS-AL Series

ISOLATORS-AL is a complete range of enclosed I-0-II change-over switches with die-cast aluminum enclosure protected with polyurethane epoxy paints.

For this reason, it is particularly suitable for applications where high resistance to chemicals, humidity and dust (IP65 or IP66) is required, as well as maximum mechanical resistance to stress (IK10).

The enclosed I-0-II change-over switches offer the possibility of managing normal and/or emergency lines, as well as the possibility of reversing the motors.

technical sheet **p. 800**

FOR GENERAL USE - I-0-II



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	3P	C1	IP66	150x210x107mm		**590.HGE1603-C**	1/5
	3P+N	C1	IP66	150x210x107mm		**590.HGE1605-C**	1/5
25A	3P	C1	IP66	150x210x107mm		**590.HGE2503-C**	1/5
	3P+N	C1	IP66	150x210x107mm		**590.HGE2505-C**	1/5
32A	3P	C1	IP66	150x210x107mm		**590.HGE3203-C**	1/5
	3P+N	C1	IP66	150x210x107mm		**590.HGE3205-C**	1/5
40A	3P	C1	IP66	150x210x107mm		**590.HGE4003-C**	1/5
	3P+N	C1	IP66	150x210x107mm		**590.HGE4005-C**	1/5
63A	3P	C2	IP65	264x315x122mm		**590.HGE6303-C**	1
	3P+N	C2	IP65	264x315x122mm		**590.HGE6305-C**	1
80A	3P	C2	IP65	264x315x122mm		**590.HGE8003-C**	1
	3P+N	C2	IP65	264x315x122mm		**590.HGE8005-C**	1
100A	3P	C2	IP65	264x315x122mm		**590.HGE10003-C**	1
	3P+N	C2	IP65	264x315x122mm		**590.HGE10005-C**	1
125A	3P	C3	IP65	315x410x150mm		**590.HGE12503-C**	1
	3P+N	C3	IP65	315x410x150mm		**590.HGE12505-C**	1
160A	3P	C3	IP65	315x410x150mm		**590.HGE16003-C**	1
	3P+N	C3	IP65	315x410x150mm		**590.HGE16005-C**	1

Handle padlockable in OFF position only (3 padlocks).
Blank sides.



ISOLATORS-INOX Series

ISOLATORS-INOX is a complete range of enclosed I-0-II change-over switches with AISI304L stainless steel casing (on request AISI316L) and specific solutions to prevent the accumulation of dirt, thus guaranteeing mechanical and environmental performance unaltered over time.

ISOLATORS-INOX are the best choice where maximum hygiene is required together with excellent resistance to corrosion due to aggressive detergents such as in the food and pharmaceutical industries, or to high salt or chemical concentrations such as in ports and in particular industrial environments or, again, in the presence of chlorine as in swimming pools.

The enclosed I-0-II change-over switches offer the possibility of managing normal and/or emergency lines, as well as the possibility of reversing the motors.

technical sheet **p. 824**

FOR GENERAL USE - I-0-II



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
16A	3P	C1	IP65	250x280x120mm		**590.SGE1603-C**	1
	3P+N	C1	IP65	250x280x120mm		**590.SGE1605-C**	1
25A	3P	C1	IP65	250x280x120mm		**590.SGE2503-C**	1
	3P+N	C1	IP65	250x280x120mm		**590.SGE2505-C**	1
32A	3P	C1	IP65	250x280x120mm		**590.SGE3203-C**	1
	3P+N	C1	IP65	250x280x120mm		**590.SGE3205-C**	1
40A	3P	C1	IP65	250x280x120mm		**590.SGE4003-C**	1
	3P+N	C1	IP65	250x280x120mm		**590.SGE4005-C**	1
63A	3P	C2	IP65	250x280x120mm		**590.SGE6303-C**	1
	3P+N	C2	IP65	250x280x120mm		**590.SGE6305-C**	1
80A	3P	C2	IP65	250x280x120mm		**590.SGE8003-C**	1
	3P+N	C2	IP65	250x280x120mm		**590.SGE8005-C**	1
100A	3P	C2	IP65	250x280x120mm		**590.SGE10003-C**	1
	3P+N	C2	IP65	250x280x120mm		**590.SGE10005-C**	1
125A	3P	C3	IP65	300x400x150mm		**590.SGE12503-C**	1
	3P+N	C3	IP65	300x400x150mm		**590.SGE12505-C**	1
160A	3P	C3	IP65	300x400x150mm		**590.SGE16003-C**	1
	3P+N	C3	IP65	300x400x150mm		**590.SGE16005-C**	1

Handle padlockable in OFF position only (3 padlocks).
Blank sides.



ISOLATORS-HR Series

ISOLATORS-HR (High Rating) is a complete range of enclosed I-0-II change-over switches with painted sheet steel enclosure with hinged door.

The width of the enclosure allows the wiring of cables of large sections, necessary for high power applications and with long power lines, while the high electrical performance guarantees absolute resistance to short circuits caused by high currents.

The enclosed I-0-II change-over switches offer the possibility of managing normal and/or emergency lines, as well as the possibility of reversing the motors.

technical sheet **p. 818**

FOR GENERAL USE - I-0-II



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Colour	Code	
100A	3P	KA1	IP65	400x500x200mm		**590.KGE10003-C**	1
	3P+N	KA1	IP65	400x500x200mm		**590.KGE10005-C**	1
125A	3P	KA1	IP65	400x500x200mm		**590.KGE12503-C**	1
	3P+N	KA1	IP65	400x500x200mm		**590.KGE12505-C**	1
160A	3P	KA2	IP65	500x700x250mm		**590.KGE16003-C**	1
	3P+N	KA2	IP65	500x700x250mm		**590.KGE16005-C**	1
200A	3P	KA2	IP65	600x800x300mm		**590.KGE20003-C**	1
	3P+N	KA2	IP65	600x800x300mm		**590.KGE20005-C**	1
250A	3P	KA2	IP65	600x800x300mm		**590.KGE25003-C**	1
	3P+N	KA2	IP65	600x800x300mm		**590.KGE25005-C**	1
315A	3P	KA3	IP65	800x800x300mm		**590.KGE31503-C**	1
	3P+N	KA3	IP65	800x800x300mm		**590.KGE31505-C**	1
400A	3P	KA3	IP65	800x800x300mm		**590.KGE40003-C**	1
	3P+N	KA3	IP65	800x800x300mm		**590.KGE40005-C**	1
500A	3P	KA3	IP65	800x800x300mm		**590.KGE50003-C**	1
	3P+N	KA3	IP65	800x800x300mm		**590.KGE50005-C**	1
630A	3P	KA4	IP65	1000x1000x300mm		**590.KGE63003-C**	1
	3P+N	KA4	IP65	1000x1000x300mm		**590.KGE63005-C**	1

Handle padlockable in OFF position only (3 padlocks).
Blank sides.



Accessories

Door locking kit, auxiliary contacts and terminal cover are useful add-ons to the range of switch-diconnectors.

CONTACT BLOCKS



Description	Switch size	Notes	Code	
AUXILIARYCONTACT 1NO+1NC	KA1 KA2 KS1 KS2		**590.PL006011-C**	1/10
	KA3 KA4 KA5 KA6 KS3 KS4 KS5 KS6		**590.PL006012-C**	1/10
CHANGE OVER CONTACT	F1 Y3 Y4 Y5 C1 C2 C3 D3 D5	15A 250V~ - 10A 415V~	**590.PL005**	50
AUXILIARY CONTACT 2NA+2NC	KA1 KA2 KS1 KS2		**590.PL006021-C**	1/10
	KA3 KA4 KA5 KA6 KS3 KS4 KS5 KS6		**590.PL006022-C**	1/10

Break before main contacts.


SCAME

AUXILIARY CONTROL DEVICES

TOP22 SERIES p. 374
Command and control devices





TOP22 Series

TOP22 is a range of control auxiliaries able to offer suitable spaces for rapid wiring, allowing customized compositions and quick interchangeability.

The emergency buttons, complying with the EN 418 Standard, are equipped with a snap-lock device that does not allow the button to implement the stop function before being in the locked position.

technical sheet **p. 841**

AUXILIARY CONTROL DEVICES >> PUSH BUTTONS >> PUSH BUTTONS - FLUSH BUTTON



Description	Colour	Type	Flange	Code	
PUSH BUTTON	▭	FLUSH	D22MM	**590.PPRN5**	10
	■	FLUSH	D22MM	**590.PPRN8**	10
	■	FLUSH	D22MM	**590.PPRN1**	10
	■	FLUSH	D22MM	**590.PPRN2**	10

Fixing by metal ring nut-hole diameter 22mm.
Clamping of the baseplate to the equipment by swing lever.
Provided with contact carrier base plate.
Contacts not provided.

AUXILIARY CONTROL DEVICES >> PUSH BUTTONS >> PUSH BUTTONS - PROTRUDING BUTTON



Description	Colour	Type	Flange	Code	
PUSH BUTTON	■	PROTRUDING	D22MM	**590.PPSN8**	10
	■	PROTRUDING	D22MM	**590.PPSN1**	10

Fixing by metal ring nut-hole diameter 22mm.
Clamping of the baseplate to the equipment by swing lever.
Provided with contact carrier base plate.
Contacts not provided.

AUXILIARY CONTROL DEVICES >> PUSH BUTTONS >> PUSH BUTTONS - ILLUMINATED FLUSH BUTTON



Description	Colour	Type	Flange	Code	
PUSH BUTTON	▭	ILLUMINATED FLUSH	D22MM	**590.PPRL5**	10
	■	ILLUMINATED FLUSH	D22MM	**590.PPRL2**	10

Fixing by metal ring nut-hole diameter 22mm.
Clamping of the baseplate to the equipment by swing lever.
Provided with contact carrier base plate.
Contacts not provided.

AUXILIARY CONTROL DEVICES >> PUSH BUTTONS >> MUSHROOM-HEAD EMERGENCY PUSH BUTTONS



Description	Colour	Type	Diameter	Flange	Code	
EMERGENCY PUSH BUTTON		RELEASE BY ROTATION	ø40mm	D22MM	**590.PPFN1R4N**	10
		RELEASE BY ROTATION	ø60mm	D22MM	**590.PPFN1R6N**	10
		RELEASE BY KEY	ø40mm	D22MM	**590.PPFN1C4N**	10
		WITHOUT LOCKING	ø40mm	D22MM	**590.PPFN1M4N**	10

Fixing by metal ring nut-hole diameter 22mm.
Clamping of the baseplate to the equipment by swing lever.
Provided with contact carrier base plate.
Contacts not provided.
According to EN60418.

AUXILIARY CONTROL DEVICES >> SELECTORS >> SELECTORS - LEVER SELECTORS



Description	Colour	Type	Flange	Code	
LEVER SELECTOR		2 PULSE POSITIONS	D22MM	**590.PSLN8D2**	10
		2 STEADY POSITIONS	D22MM	**590.PSLN8D0**	10
		3 PULSE POSITIONS	D22MM	**590.PSLN8T3**	10
		3 STEADY POSITIONS	D22MM	**590.PSLN8T0**	10

Fixing by metal ring nut-hole diameter 22mm.
Clamping of the baseplate to the equipment by swing lever.
Provided with contact carrier base plate.
Contacts not provided.

AUXILIARY CONTROL DEVICES >> SELECTORS >> SELECTORS - KEY SELECTORS



Description	Colour	Type	Flange	Code	
KEY SELECTOR		2 STEADY POSITIONS	D22MM	**590.PSCR8D0C** [1)]	10
		3 STEADY POSITIONS	D22MM	**590.PSCR8T0C**	10

Fixing by metal ring nut-hole diameter 22mm.
Clamping of the baseplate to the equipment by swing lever.
Provided with contact carrier base plate.
Contacts not provided.
[1)] *Key drawing when on "zero" position.*

AUXILIARY CONTROL DEVICES >> ENBLOC PILOT LAMPS (LED 220V)



Description	Colour	Diameter	Flange	Code	
PILOT LAMP		ø22mm	D22MM	**590.PLML5L220**	10
		ø22mm	D22MM	**590.PLML4L220**	10
		ø22mm	D22MM	**590.PLML1L220**	10
		ø22mm	D22MM	**590.PLML2L220**	10
		ø22mm	D22MM	**590.PLML3L220**	10

Fixing by metal ring nut-hole diameter 22mm.
Clamping of the baseplate to the equipment by swing lever.

AUXILIARY CONTROL DEVICES >> CONTACT BLOCKS



Description	Colour	Code	
LAMPHOLDER		**590.PL004007** [3) 5)]	10/60
NC CONTACT		**590.PL004001** [2) 3)]	10/60
NO CONTACT		**590.PL004002** [1) 3)]	10/60
CHANGE OVER CONTACT		**590.PL004005** [4)]	10
CHANGE OVER CONTACT		**590.PL004006** [4)]	10

[1)] *NO=Normally open.*
[2)] *NC=Normally closed.*
[3)] *Snap catch.*
[4)] *Break before main contacts.*
[5)] *Maximum direct power supply 250V with max 2W bulbs.*

AUXILIARY CONTROL DEVICES >> ACCESSORIES



Description	Colour	Diameter	Flange	Code	
CAP		ø22mm	D22MM	**590.PTRN8**	10/100
PIN WRENCH				**590.PCF**	10
EMERGENCY MARKER				**590.PTE/A**	10/100
EMERGENCY MARKER				**590.PTE/I**	10/100
LEGEND PLATE				**590.PPTN8**	10/100
NEUTRAL LABEL				**590.PTA00**	10/100

AUXILIARY CONTROL DEVICES >> BLANK PLATES



Description	Colour	Flange	Code	
FLANGE ADAPTER		70X87MM	**654.0101Y**	25
FLANGE ADAPTER		70X87MM	**654.0101**	25
FLANGE ADAPTER		70X87MM	**654.0102**	25

With gasket.
For components TOP22 Series (ø22mm).

CONTROL STATIONS >> ENCLOSURES



Description	No. of places	Cable entry	Code	
ENCLOSURE	1 MOD.	1xM16 + 1xM20	**590.PR01K**	12

Empty enclosures for auxiliary control equipment.



Description	No. of places	Cable entry	Code	
ENCLOSURE	2 MOD.	2xM20	**590.PR02K**	10

Empty enclosures for auxiliary control equipment.



Description	No. of places	Cable entry	Code	
ENCLOSURE	3 MOD.	2xM20	**590.PR03K**	10

Empty enclosures for auxiliary control equipment.



Description	No. of places	Cable entry	Code	
ENCLOSURE	4 MOD.	2xM20	**590.PR04K**	1

Empty enclosures for auxiliary control equipment.



Description	No. of places	Cable entry	Code	
ENCLOSURE	6 MOD.	1xM20 + 1xM25	**590.PR06K**	1

Empty enclosures for auxiliary control equipment.

CONTROL STATIONS >> COMPLETE PUSH-BUTTON PANEL



Description	No. of places	Cable entry	Code	
COMPLETE PUSH BUTTON PANEL	1 MOD.	1xM16 + 1xM20	**590.PR01RN8**	12

Supplied with 1 NO contact block.



Description	No. of places	Cable entry	Code	
COMPLETE PUSH BUTTON PANEL	2 MOD.	2xM20	**590.PR02A**	10

Supplied with 1 NO + 1 NC contact blocks.



Description	No. of places	Cable entry	Code	
COMPLETE PUSH BUTTON PANEL	3 MOD.	2xM20	**590.PR03A**	10

Supplied with 1 NO + 1 NC contact blocks and red lamp 230V.

CONTROL STATIONS >> PUSH-BUTTON PANEL - Ø60-90MM



Description	No. of places	Type	Cable entry	Code	
EMERGENCY PUSH BUTTON	1 MOD.	RELEASE BY ROTATION	1xM16 + 1xM20	**590.PR01R6N**	12

Supplied with 1 NC contact block.
Mushroom push-buttons for emergency stop.



Description	No. of places	Type	Cable entry	Code	
EMERGENCY PUSH BUTTON	1 MOD.	UNSTABLE	3xM20	**590.PG1M9W01**	12

Supplied with 1 NC contact block.
Mushroom push-buttons for emergency stop.
Spring terminals.



Description	No. of places	Type	Cable entry	Code	
COMPLETE PUSH BUTTON PANEL	1 MOD.	UNSTABLE	3xM20	**590.PG8M9W10**	12

Enclosures complete with control and indicator lamp.
Supplied with 1 NO contact block.

CONTROL STATIONS >> EMERGENCY PUSH-BUTTON PANEL



Description	No. of places	Type	Cable entry	Code	
EMERGENCY PUSH BUTTON	1 MOD.	RELEASE BY ROTATION	1xM16 + 1xM20	**590.PR01R4N**	12

Supplied with 1 NC contact block.
Mushroom push-buttons for emergency stop.



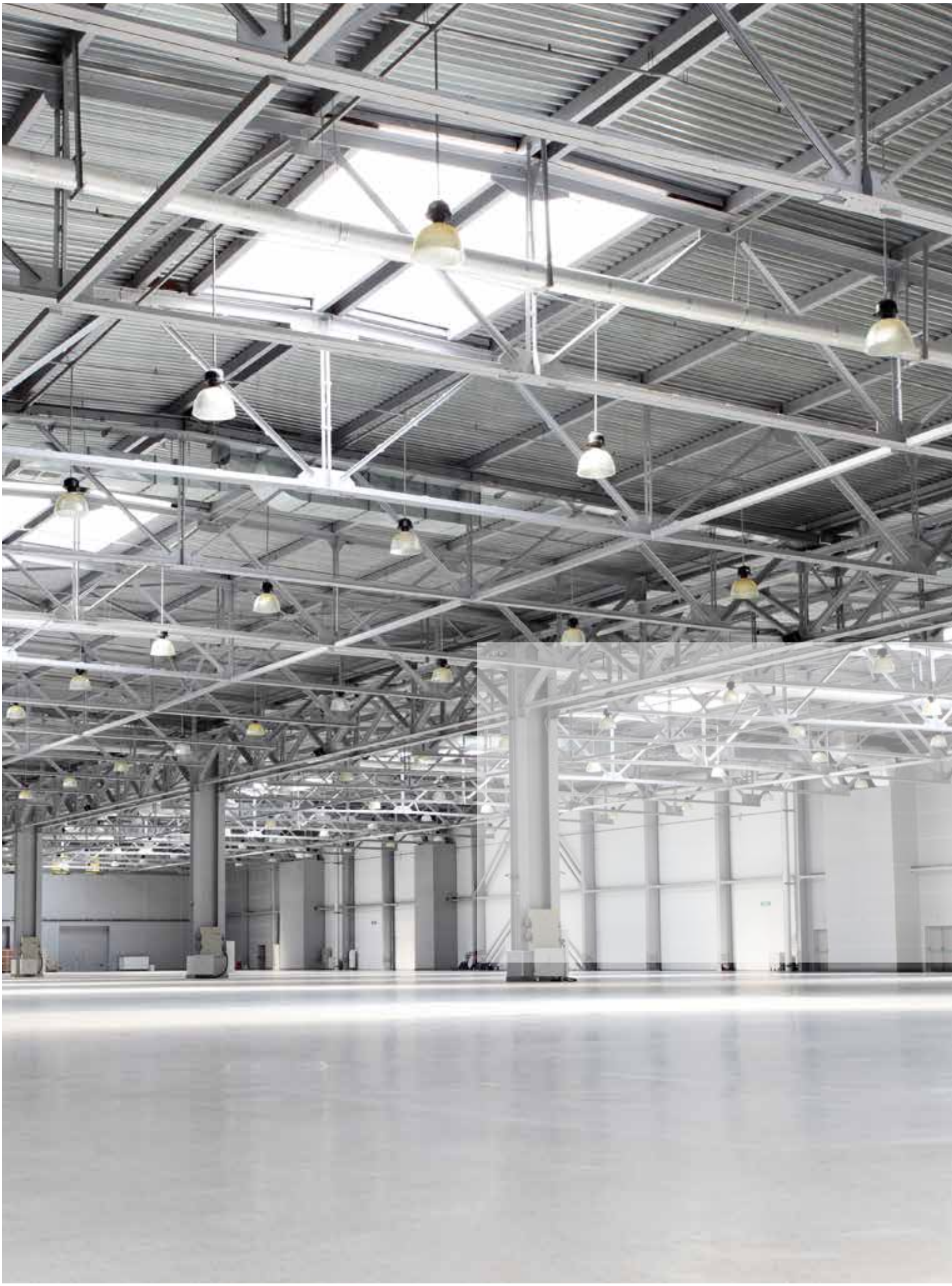
Description	No. of places	Type	Cable entry	Code	
EMERGENCY PUSH BUTTON	1 MOD.	RELEASE BY ROTATION	1xM16 + 1xM20	**590.PR01R4S**	12

Supplied with 1 NC contact block.
Mushroom push-buttons for emergency stop.



Description	No. of places	Type	Cable entry	Code	
EMERGENCY PUSH BUTTON	1 MOD.	RELEASE BY KEY	1xM16 + 1xM20	**590.PR01C4N**	12

Supplied with 1 NC contact block.
Mushroom push-buttons for emergency stop.









EMPTY ENCLOSURES





CONSUMER UNITS

IKONA SERIES p. 384
Surface mounting watertight consumer units with single door



DOMINO IP66 SERIES p. 392
Surface mounting watertight consumer units



DOMINO IP40 SERIES p. 402
Surface or flush mounting consumer units



FLAT SERIES p. 416
Flush mounting consumer units with flat door



EMERGENCY SERIES p. 418
Emergency consumer units





IKONA Series

IKONA is a complete range of watertight consumer units for surface installation available in configurations from 8 to 72 DIN modules.

Characterized by extremely easy installation thanks to the ample internal space, removable DIN rail support and removable module cover plates, they offer high impact resistance (IK09) and a high protection degree (IP66).

The modern and functional design by Trussardi+Belloni Design has in the flat-profile door with a recractable opening system its distinctive feature.

technical sheet **p. 853**

Technical information

Main characteristics



01 Terminal block housing possibility

02 Enclosure in halogen-free materials

03 Pressure window closing system with cutting head plastic lock (Yale key on request)

04 Blank sides

05 Reversible door with 180° opening angle

06 Spirit level

07 Height and depth adjustable DIN rail guide

08 Guides for cable fastening with slots for cable ties

09 Removable plate with tool, reversible according to the height of the DIN rail (versions 24÷72 DIN)

10 Rapid lead captive stainless steel screws

CONSUMER UNITS IP66



IP: IP66
Modularity: 2 DIN

N.° modules	Dimensions	Power	Colour	Code	
2 MOD.	71x140x100mm	9W		**679.1002**	1/16

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.



IP: IP66
Modularity: 4 DIN

N.° modules	Dimensions	Power	Colour	Code	
4 MOD.	107x180x100mm	10W		**679.1004**	1/12

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.



IP: IP66
Modularity: 6 DIN

N.° modules	Dimensions	Power	Colour	Code	
6 MOD.	140x180x100mm	9W		**679.1006**	1/12

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.



IP: IP66
Modularity: 8 DIN

N.° modules	Dimensions	Power	Colour	Code	
8 MOD.	215x190x100mm	15W		**679.1008**	1/10
		15W		**679.1008.1** [1)]	1/10
		15W		**679.1008.2** [2)]	1/10

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1)] *.1: with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[2)] *.2: with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP66
Modularity: 12 DIN

N.° modules	Dimensions	Power	Colour	Code	
12+1 MOD.	317x250x163mm	24W		**679.1012**	1/6
		24W		**679.1012.1** [1)]	1/6
		24W		**679.1012.2** [2)]	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1)] *.1: with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[2)] *.2: with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP66
Modularity: 18 DIN

N.° modules	Dimensions	Power	Colour	Code	
18+1 MOD.	424x285x140mm	34W		**679.1018**	1/4
		34W		**679.1018.1** [1)]	1/4
		34W		**679.1018.2** [2)]	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1)] *.1: with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[2)] *.2: with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP66
Modularity: 24 DIN

N.° modules	Dimensions	Power	Colour	Code	
24+2 MOD.	317x420x140mm	34W		**679.2024**	1/4
		34W		**679.2024.2** [2)]	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[2)] *.2: with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP66
Modularity: 36 DIN

N.° modules	Dimensions	Power	Colour	Code	
36+2 MOD.	424x460x140mm	47W		**679.2036**	1
		47W		**679.2036.2** [2)]	1/2

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[2)] *.2: with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP66
Modularity: 54 DIN

N.° modules	Dimensions	Power	Colour	Code	
54+3 MOD.	424x655x140mm	68W		**679.3054**	1
		68W		**679.3054.2** [2)]	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[2)] *.2: with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP66
Modularity: 72 DIN

N.° modules	Dimensions	Power	Colour	Code	
72+4 MOD.	424x910x140mm	89W		**679.4072**	1
		89W		**679.4072.2** [2)]	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[2)] *.2: with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

ACCESSORIES >> ZINC-COATED STEEL MOUNTING PLATE



Description	Modularity	Dimensions	Code	
MOUNTING PLATE	24 DIN	280x210x1,5mm	**654.0720**	1
	36 DIN	320x315x1,5mm	**654.0721**	1
	54 DIN	515x315x1,5mm	**654.0722**	1

ACCESSORIES >> WALL MOUNTING BRACKETS KIT



Description	Suitable for	Notes	Colour	Code	
WALL MOUNTING BRACKETS KIT	DOMINO IP66 IKONA IP66	(4 pz.)		**654.0020**	10

ACCESSORIES >> CONNECTION KIT



Description	Suitable for	Notes	Colour	Code	
CONNECTION KIT	DOMINO IP66 PROXIMA IKONA IP66	PG21		**654.0038**	25
	DOMINO IP66 IKONA IP66	PG36		**654.0040**	25

ACCESSORIES >> COVER SEALING KIT (2 PIECES)



Description	Suitable for	Colour	Code	
COVER SEALING KIT	DOMINO IP66		**654.0030**	25

ACCESSORIES >> YALE KEY KIT



Description	Suitable for	Code	
YALE KEY KIT	PROXIMA IKONA IP66	**654.0075**	10

Unique Yale keys, the same key opens all locks.

ACCESSORIES >> RIDGET PROFILE FOR DIN RAIL



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
DIN RAIL BRACKET	1 x EVOLUTION		1 MOD.	28,5mm		**654.0091**	12/120



Description	Suitable for	14Notes	N.° modules	Dimensions	Colour	Code	
DIN RAIL BRACKET	2 x EVOLUTION		2 MOD.	53mm		**654.0092**	12/120



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
RIDGED PROFILE FOR DIN RAIL		ELEVATION 18mm - LENGTH 320mm		DIN 35x7,5mm OMEGA		**654.0090**	20/100

ACCESSORIES >> BLANK PLATE FOR DIN MODULES



Description	Notes	Modularity	N.° modules	Dimensions	Colour	Code	
BLANK PLATE FOR DIN MODULES	9x45mm		1/2 MOD.			**654.0420**	25/400

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	Modularity	N.° modules	Dimensions	Colour	Code	
BLANK PLATE FOR DIN MODULES	18x45mm		1 MOD.			**654.0410**	25/250

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	Modularity	N.° modules	Dimensions	Colour	Code	
BLANK PLATE FOR DIN MODULES	73x49mm		4 MOD.			**654.0400**	25/250

When put between the modular devices these plates help to dissipate heat.



Description	Notes	Modularity	N.° modules	Dimensions	Colour	Code	
BLIND PLATE		12 DIN	12 MOD.	238x150mm		**679.0112**	1



Description	Notes	Modularity	N.° modules	Dimensions	Colour	Code	
BLIND PLATE		18 DIN	18 MOD.	346x150mm		**679.0118**	1

TERMINAL BLOCKS >> TERMINAL BLOCKS FOR DIN RAIL



Description	Type	IP	Colour	Code	
TERMINAL BLOCK	HORIZONTAL	IP20		**654.0359**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Phase R-S-T and earth/neutral terminal blocks.

Description	Type	IP	Colour	Code	
TERMINAL BLOCK	VERTICAL	IP20		**654.0358**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Phase R-S-T and earth/neutral terminal blocks.

TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X2



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 8 DIN DOMINO IP66 12 DIN DOMINO IP66 24 DIN (consumer units) IKONA IP66 8 DIN	IP20		**654.0361**	10

Insulated by a plastic cover for the connection of the flexible cables.
There is special left for one additional terminal block art. 654.0360.
For earth, phase and neutral conductors.
Terminals: 1x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 8 DIN DOMINO IP66 12-24 DIN IKONA IP66 8 DIN	IP20		**654.0361C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 2x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with one additional terminal block art. 654.0360.

TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X3



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 12-24 DIN DOMINO IP66 16-32-48-64 DIN IKONA IP66 12-24 DIN	IP20		**654.0362**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
There is special left for two additional terminal blocks art. 654.0360.
Terminals: 3x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 12-24 DIN DOMINO IP66 16-32-48-64 DIN IKONA IP66 12-24 DIN	IP20		**654.0362C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 3x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with two additional terminal blocks art. 654.0360.

TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X4



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 18-36-54 DIN DOMINO IP66 (distribution assemblies) IKONA IP66 18-36-54-72 DIN	IP20		**654.0364**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
There is special left for three additional terminal blocks art. 654.0360.
Terminals: 4x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 18-36-54 DIN DOMINO IP66 (distribution assemblies) IKONA IP66 18-36-54-72 DIN	IP20		**654.0364C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 4x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with three additional terminal blocks art. 654.0360.

TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> ADDITIONAL



Description	Notes	IP	Colour	Code	
TERMINAL BLOCK	EXTRA	IP20		**654.0360**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.



DOMINO IP66 Series

DOMINO IP66 is a complete range of watertight consumer units for surface installation, from 2 up to 64 DIN modules. Modular and combinable, DOMINO IP66 consumer units are characterized by a high flexibility of use and considerable expansion possibilities.

technical sheet **p. 847**

Technical information

Main characteristics





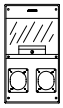
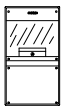
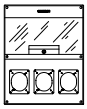
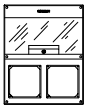
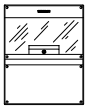
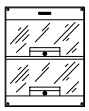
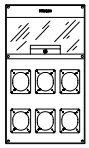
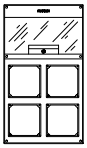
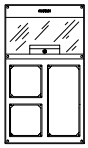
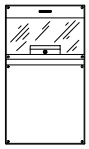
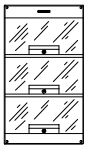
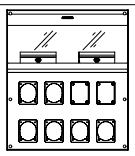
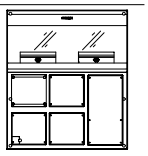
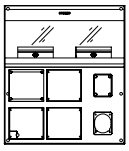
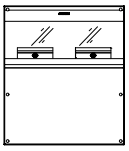
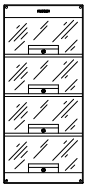




01 Terminal block housing possibility
02 Enclosure in halogen-free materials
03 Window equipped with triangular key (Yale key on request)
04 Blank sides with drilling point marks
05 Rapid lead captive stainless steel screws (sealing kit on request)
06 Spacious enclosure to increase dissipating power and cabling space
07 Depth-adjustable DIN rails
08 Base-cover coupling by means of hinges

Modularity

The distribution assemblies and consumer units of the DOMINO IP66 Series are characterized by mutually modular elements. What defines the modularity is the height (M) of the enclosure or its width (DIN). Distribution assemblies and consumer units with the same height can be placed side by side and connected to each other by means of specific connection kits. Distribution assemblies and consumer units with the same width can be put on top each other always by means of specific connection kits.

	4 DIN	8 DIN	12 DIN	16 DIN	24 DIN
M150			 672.1001  672.1301	 672.1300  672.1200  672.1100	
M190	 672.2004	 672.2008			
M250			 672.2012	 672.2016	
M340		 672.2300  672.2301  672.2200  672.2100			
M400			 672.3300  672.3302  672.3200  672.3100  672.4024	 672.4316  672.4216  672.4116  672.4032	
M550				 672.5616  672.5416  672.5316  672.5116  672.5048	 672.5822  672.5522  672.5622  672.5122
M700				 672.7064	

Product code reading

Consumer units | Additional features

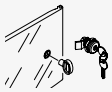
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A Window 

1: tinted window (standard)

B Self-adhesive label for identification data 

0: without label
1: with label

C Locking kit 

0: with triangular key
2: Yale key locking kit

D Terminal block 

0: without connection device
1: 1 (5x10 mm² - 5x16 mm²)
2: 2 (5x10 mm² - 5x16 mm²)
3: n° = DIN

CONSUMER UNITS IP66 >> 2 DIN



N.° modules	Dimensions	Power	Colour	Code	
2 MOD.	76x135x102mm	6W		**672.2002**	1/24

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66
Modularity: M135

CONSUMER UNITS IP66 >> 4 DIN



N.° modules	Dimensions	Power	Colour	Code	
4 MOD.	112x190x106mm	10W		**672.2004**	1/16
		10W		**672.2004.1102** [1]	1/16

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66
Modularity: M190

CONSUMER UNITS IP66 >> 8 DIN



N.° modules	Dimensions	Power	Colour	Code	
8 MOD.	184x190x106mm	14W		**672.2008**	1/10
		14W		**672.2008.1101** [2]	1/10
		14W		**672.2008.1102** [1]	1/10

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*

IP: IP66
Modularity: M190

CONSUMER UNITS IP66 >> 12 DIN



N.° modules	Dimensions	Power	Colour	Code	
12 MOD.	256x250x140mm	22W		**672.2012**	1/9
		22W		**672.2012.1101** [2]	1/9
		22W		**672.2012.1102** [1]	1/9

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*

IP: IP66
Modularity: M250

CONSUMER UNITS IP66 >> 16 DIN



N.° modules	Dimensions	Power	Colour	Code	
16 MOD.	328x250x140mm	28W		**672.2016**	1/6
		28W		**672.2016.1101** [2)]	1/6
		28W		**672.2016.1102** [1)]	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2)] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*

IP: IP66
Modularity: M250

CONSUMER UNITS IP66 >> 24 DIN



N.° modules	Dimensions	Power	Colour	Code	
24 MOD.	256x400x140mm	30W		**672.4024**	1/6
		30W		**672.4024.1102** [1)]	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66
Modularity: M400

CONSUMER UNITS IP66 >> 32 DIN



N.° modules	Dimensions	Power	Colour	Code	
32 MOD.	328x400x140mm	47W		**672.4032**	1/4
		47W		**672.4032.1102** [1)]	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66
Modularity: M400

CONSUMER UNITS IP66 >> 48 DIN



N.° modules	Dimensions	Power	Colour	Code	
48 MOD.	328x550x140mm	54W		**672.5048**	1/3
		54W		**672.5048.1102** [1)]	1/3

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66
Modularity: M550

EMPTY ENCLOSURES

Consumer units

CONSUMER UNITS IP66 >> 64 DIN



N.° modules	Dimensions	Power	Colour	Code	
64 MOD.	328x700x140mm	60W		**672.7064**	1
		60W		**672.7064.1102** [1]	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66
Modularity: M700

ACCESSORIES >> WALL MOUNTING BRACKETS KIT



Description	Suitable for	Notes	Colour	Code	
WALL MOUNTING BRACKETS KIT	SCABOX K2 DOMINO IP66 24 DIN	(4 pz.)		**654.0023**	10



Description	Suitable for	Notes	Colour	Code	
WALL MOUNTING BRACKETS KIT	DOMINO IP66 IKONA IP66	(4 pz.)		**654.0020**	10

ACCESSORIES >> CONNECTION KIT



Description	Suitable for	Notes	Colour	Code	
CONNECTION KIT	DOMINO IP66 PROXIMA IKONA IP66	PG21		**654.0038**	25
	DOMINO IP66 IKONA IP66	PG36		**654.0040**	25

ACCESSORIES >> COVER SEALING KIT (2 PIECES)



Description	Suitable for	Colour	Code	
COVER SEALING KIT	DOMINO IP66		**654.0030**	25

ACCESSORIES >> YALE KEY KIT



Description	Suitable for	Code	
YALE KEY KIT	DOMINO IP66	**654.0070**	10

Unique Yale keys, the same key opens all locks.
For door (2 pieces).

ACCESSORIES >> RIDGET PROFILE FOR DIN RAIL



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
DIN RAIL BRACKET	1 x EVOLUTION		1 MOD.	28,5mm		**654.0091**	12/120



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
DIN RAIL BRACKET	2 x EVOLUTION		2 MOD.	53mm		**654.0092**	12/120



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
RIDGED PROFILE FOR DIN RAIL		ELEVATION 18mm - LENGTH 320mm		DIN 35x7,5mm OMEGA		**654.0090**	20/100

ACCESSORIES >> DIN RAIL ADJUSTABLE HEIGHT



Description	Notes	N.° modules	Code	
DIN RAIL KIT	DOMINO IP66	12 MOD.	**654.0751**	10
	DOMINO IP66	16 MOD.	**654.0750**	10
	DOMINO IP66	24 MOD.	**654.0753**	10
	DOMINO IP66	2x12 MOD.	**654.0752**	10

With mounting brackets.

ACCESSORIES >> BLANK PLATE FOR DIN MODULES



Description	Notes	N.° modules	Colour	Code	
BLANK PLATE FOR DIN MODULES	9x45mm	1/2 MOD.		**654.0420**	25/400

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	N.° modules	Colour	Code	
BLANK PLATE FOR DIN MODULES	18x45mm	1 MOD.		**654.0410**	25/250

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	N.° modules	Colour	Code	
BLANK PLATE FOR DIN MODULES	73x49mm	4 MOD.		**654.0400**	25/250

When put between the modular devices these plates help to dissipate heat.

DOMINO TERMINAL BLOCKS >> TERMINAL BLOCKS FOR DIN RAIL



Description	Type	IP	Colour	Code	
TERMINAL BLOCK	HORIZONTAL	IP20		**654.0359**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Phase R-S-T and earth/neutral terminal blocks.



Description	Type	IP	Colour	Code	
TERMINAL BLOCK	VERTICAL	IP20		**654.0358**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Phase R-S-T and earth/neutral terminal blocks.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X1



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP66 8 DIN	IP20		**654.0363**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 1x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP66 4 DIN	IP20		**654.0365**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 1x (5x10mm²).

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X2



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 8 DIN DOMINO IP66 12 DIN DOMINO IP66 24 DIN (consumer units) IKONA IP66 8 DIN	IP20		**654.0361**	10

Insulated by a plastic cover for the connection of the flexible cables.
There is special left for one additional terminal block art. 654.0360.
For earth, phase and neutral conductors.
Terminals: 2x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 8 DIN DOMINO IP66 12-24 DIN IKONA IP66 8 DIN	IP20		**654.0361C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 2x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with one additional terminal block art. 654.0360.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X3



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 12-24 DIN DOMINO IP66 16-32-48-64 DIN IKONA IP66 12-24 DIN	IP20		**654.0362**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
There is special left for two additional terminal blocks art. 654.0360.
Terminals: 3x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 12-24 DIN DOMINO IP66 16-32-48-64 DIN IKONA IP66 12-24 DIN	IP20		**654.0362C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 3x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with two additional terminal blocks art. 654.0360.

TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X4



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 18-36-54 DIN DOMINO IP66 (distribution assemblies) IKONA IP66 18-36-54-72 DIN	IP20		**654.0364**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
There is special left for three additional terminal blocks art. 654.0360.
Terminals: 4x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 18-36-54 DIN DOMINO IP66 (distribution assemblies) IKONA IP66 18-36-54-72 DIN	IP20		**654.0364C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 4x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with three additional terminal blocks art. 654.0360.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> ADDITIONAL



Description	Notes	IP	Colour	Code	
TERMINAL BLOCK	EXTRA	IP20		**654.0360**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.



DOMINO IP40 Series

DOMINO IP40 is a range of consumer units for surface or flush installation, available in configuration from 2 to 54 modules and featured by modular elements, easily attachable each other. Available with tinted door or blind verion without door.

In flush mounting versions, from 4 to 54 DIN modules, they are featured by extreme modularity: the flush mounting box with knockouts allows an easy laying of the undercurrent tubes.

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Technical information

Main characteristics surface mounting versions







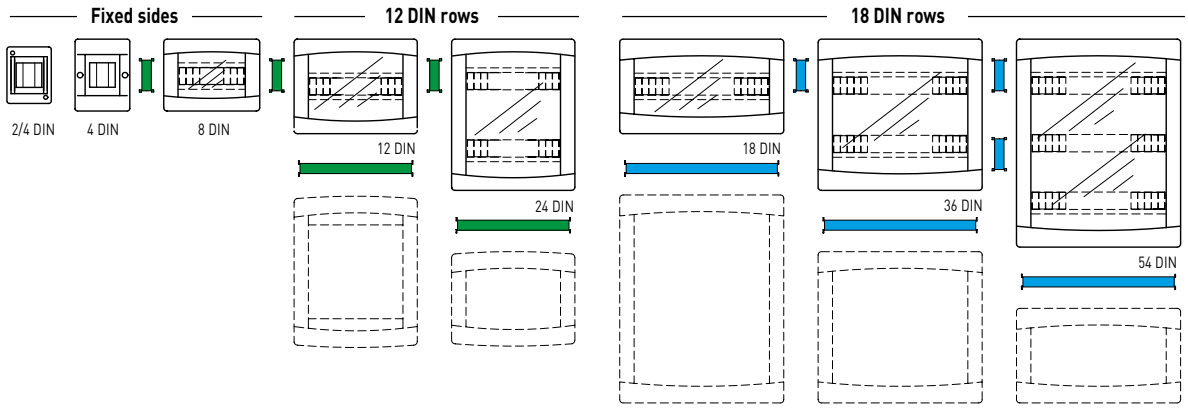


01 Terminal block housing possibility
02 Reversible window with opening angle greater than 180°
03 Enclosure in halogen-free materials
04 Spirit level
05 Cover closing device with ¼ turn thermoplastic screws
06 Window equipable with triangular key (Yale key on request)
07 DIN rail on removable frame to facilitate cabling operations
08 Spacious enclosure to increase dissipating power and cabling space
09 Removable wall with the possibility of joining multiple consumer units units by means of junction kits

Modularity - Surface mounting versions

The surface mounting consumer units of the DOMINO IP40 Series are characterized by modular elements. What characterizes the modularity is the number of DIN modules per row. Consumer units with the same number of DIN modules per row can be overlapped and connected to each other by means of specific connection kits. Consumer units coupling can be done also horizontaly by means of specific connection kits.

AVAILABLE MODELS - (SURFACE MOUNTING VERSIONS)





Art. 654.0041
Horizontal connection kit - 12 DIN row



Art. 654.0043
Vertical connection kit - 12 DIN row



Art. 654.0042
Horizontal connection kit - 18 DIN row



Art. 654.0044
Vertical connection kit - 18 DIN row

EMPTY ENCLOSURES

Consumer units

SURFACE MOUNTING VERSION >> MODULAR CONSUMER UNITS >> WITHOUT WINDOW



N.° modules	Dimensions	Power	Colour	Code	
2/4 MOD.	97x130x84mm	9W	▭	**673.2102B**	1/36
		9W	▬	**673.2102**	1/36

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

IP: IP40
Modularity: 2/4 DIN



N.° modules	Dimensions	Power	Colour	Code	
4+1/2 MOD.	135x190x108mm	11W	▭	**673.2104B**	1/24
		11W	▬	**673.2104**	1/24

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

IP: IP40
Modularity: 4 DIN



N.° modules	Dimensions	Power	Colour	Code	
8+2 MOD.	254x190x108mm	18W	▭	**673.2108B**	1/12
		18W	▭	**673.2108B.0012**[1)]	1/10
		18W	▬	**673.2108**	1/12

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.0012: without window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP40
Modularity: 8 DIN



N.° modules	Dimensions	Power	Colour	Code	
12+2 MOD.	326x250x108mm	25W (50W*)	▭	**673.2112B**	1/7
		25W (50W*)	▭	**673.2112B.0012**[1)]	1/6
		25W (50W*)	▬	**673.2112**	1/7

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.0012: without window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP40
Modularity: 12 DIN



N.° modules	Dimensions	Power	Colour	Code	
18+2 MOD.	434x250x140mm	43W (85W*)	▭	**673.2118B**	1/6
		43W (85W*)	▭	**673.2118B.0012** [1]	1
		43W (85W*)	▬	**673.2118**	1/6
		43W (85W*)	▬	**673.2118.0011** [2]	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1] *.0012: without window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2] *.0011: without window, without label, without locking kit, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*

IP: IP40
Modularity: 18 DIN



N.° modules	Dimensions	Power	Colour	Code	
24+4 MOD.	326x400x108mm	41W (87W*)	▭	**673.4124B**	1/5
		41W (87W*)	▭	**673.4124B.0012** [1]	1
		41W (87W*)	▬	**673.4124**	1/5

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1] *.0012: without window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP40
Modularity: 24 DIN



N.° modules	Dimensions	Power	Colour	Code	
36+4 MOD.	434x400x140mm	75W (108W*)	▭	**673.4136B**	1/4
		75W (108W*)	▭	**673.4136B.0012** [1]	1
		75W (108W*)	▬	**673.4136**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1] *.0012: without window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP40
Modularity: 36 DIN



N.° modules	Dimensions	Power	Colour	Code	
54+6 MOD.	434x550x140mm	103W (140W*)	▭	**673.5154B**	1/2
		103W (140W*)	▭	**673.5154B.0012** [1]	1
		103W (140W*)	▬	**673.5154**	1/2

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1] *.0012: without window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP40
Modularity: 54 DIN

Product code reading

Consumer units | Additional features

6 7 3 . 2 1 0 8 B . A B C D

A Window



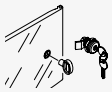
0: without window

B Self-adhesive label for identification data



0: without label
1: with label

C Locking kit



1: no

D Terminal block



0: without connection device
1: 1 (5x10 mm² - 5x16 mm²)
2: 2 (5x10 mm² - 5x16 mm²)
3: n° = DIN

SURFACE MOUNTING VERSION >> MODULAR CONSUMER UNITS >> WITH WINDOW



IP: IP40
Modularity: 8 DIN

N.° modules	Dimensions	Power	Colour	Code	
8+1 MOD.	254x190x108mm	17W		**673.2008B**	1/12
		17W		**673.2008B.1101** [2)]	1/12
		17W		**673.2008B.2010** [3)]	1/12
		17W		**673.2008B.2012** [4)]	1/10
		17W		**673.2008**	1/12
		17W		**673.2008.1102** [1)]	1/12

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2)] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP40
Modularity: 12 DIN

N.° modules	Dimensions	Power	Colour	Code	
12+1 MOD.	326x250x108mm	24W (48W*)		**673.2012B**	1/7
		24W (48W*)		**673.2012B.1101** [2)]	1/7
		24W (48W*)		**673.2012B.2010** [3)]	1/7
		24W (48W*)		**673.2012B.2012** [4)]	1/6
		24W (48W*)		**673.2012**	1/7
		24W (48W*)		**673.2012.1102** [1)]	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2)] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP40
Modularity: 18 DIN

N.° modules	Dimensions	Power	Colour	Code	
18+1 MOD.	434x250x140mm	42W (74W*)		**673.2018B**	1/6
		42W (74W*)		**673.2018B.1101** [2)]	1/6
		42W (74W*)		**673.2018B.1102** [2)]	
		42W (74W*)		**673.2018B.2010** [3)]	1/6
		42W (74W*)		**673.2018B.2012** [4)]	1
		42W (74W*)		**673.2018**	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2)] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP40
Modularity: 24 DIN

N.° modules	Dimensions	Power	Colour	Code	
24+4 MOD.	326x400x108mm	35W (63W*)	▭	**673.4024B**	1/5
		35W (63W*)	▭	**673.4024B.1102** [1)]	1/5
		35W (63W*)	▭	**673.4024B.2010** [3)]	1/5
		35W (63W*)	▭	**673.4024B.2012** [4)]	1
		35W (63W*)	▬	**673.4024**	1/5

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP40
Modularity: 36 DIN

N.° modules	Dimensions	Power	Colour	Code	
36+4 MOD.	434x400x140mm	57W (96W*)	▭	**673.4036B**	1/4
		57W (96W*)	▭	**673.4036B.1102** [1)]	1/4
		57W (96W*)	▭	**673.4036B.2010** [3)]	1/4
		57W (96W*)	▭	**673.4036B.2012** [4)]	1
		57W (96W*)	▬	**673.4036**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*



IP: IP40
Modularity: 54 DIN

N.° modules	Dimensions	Power	Colour	Code	
54+5 MOD.	434x550x140mm	75W (125W*)	▭	**673.5054B**	1/2
		75W (125W*)	▭	**673.5054B.1101** [2)]	1/2
		75W (125W*)	▭	**673.5054B.2010** [3)]	1/2
		75W (125W*)	▭	**673.5054B.2012** [4)]	1
		75W (125W*)	▬	**673.5054**	1/2

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[2)] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

Product code reading

Consumer units | Additional features

6 7 3 . 2 0 0 8 B . A B C D

A Window



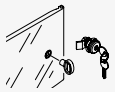
1: tinted window (standard)
2: white window

B Self-adhesive label for identification data



0: without label
1: with label

C Locking kit



0: with triangular key
1: NO
2: Yale key locking kit

D Terminal block



0: without connection device
1: 1 (5x10 mm² - 5x16 mm²)
2: 2 (5x10 mm² - 5x16 mm²)
3: n° = DIN

Technical information

Main characteristics flush mounting versions







01 Enclosure in halogen-free materials

02 Reversible window with opening angle greater than 180°

03 Spirit level

04 Terminal block housing possibility

05 Cover closing device with ¼ turn thermoplastic screws

06 Window equipable with triangular key (yale key on request)

07 DIN rail on removable frame to facilitate cabling operations

08 Pre-fractured walls on all sides to allow the entry of concealed pipes with the possibility of joining multiple consumer units using connection kits

Product code reading

Consumer units								Additional features			
6	7	5	.	2	0	0	8	B	.	A	B	C	D

A **Window**



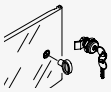
0: without window
1: tinted window (standard)
2: white window

B **Self-adhesive label for identification data**



0: without label
1: with label

C **Locking kit**



0: with triangular key
1: no
2: Yale key locking kit

D **Terminal block**

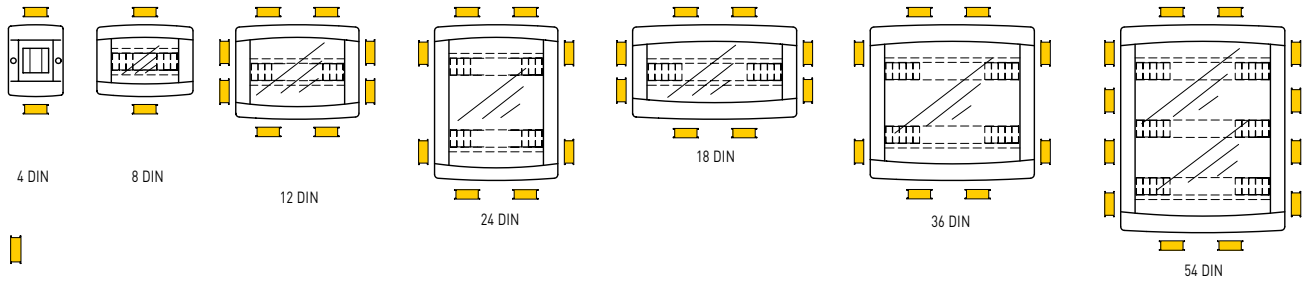


0: without connection device
1: 1 (5x10 mm² - 5x16 mm²)
2: 2 (5x10 mm² - 5x16 mm²)
3: n° = DIN

Modularity - Flush mounting versions

Flush mounting consumer units of the Domino IP40 Series are characterized by modular elements that can be connected to each other by means of specific couplers.

AVAILABLE MODELS - (FLUSH MOUNTING VERSIONS)



Art. 654.0045
Connection kit flush mounting

FLUSH MOUNTING VERSION >> MODULAR CONSUMER UNITS >> WITH WINDOW



IP: IP40
Modularity: 4 DIN

N.° modules	Dimensions	Power	Colour	Code	
4+1/2 MOD.	150x180x75mm	17W	▭	**675.2104B** [5]	1/38
		17W	▬	**675.2104** [5]	1/38

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1] *1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2] *1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3] *2010: white window, without label, without locking kit, without terminal block.*
[4] *2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[5] *Without window.*



IP: IP40
Modularity: 8 DIN

N.° modules	Dimensions	Power	Colour	Code	
8+1 MOD.	254x210x75mm	21W	▭	**675.2008B**	1/10
		21W	▭	**675.2008B.1101** [2]	1/10
		21W	▭	**675.2008B.2010** [3]	1/10
		21W	▭	**675.2008B.2012** [4]	1/6
		21W	▬	**675.2008**	1/10
		21W	▬	**675.2008.1102** [1]	1/10

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1] *1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2] *1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3] *2010: white window, without label, without locking kit, without terminal block.*
[4] *2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[5] *Without window.*



IP: IP40
Modularity: 12 DIN

N.° modules	Dimensions	Power	Colour	Code	
12+1 MOD.	326x270x75mm	32W	▭	**675.2012B**	1/7
		32W	▭	**675.2012B.1101** [2]	1/7
		32W	▭	**675.2012B.2010** [3]	1/7
		32W	▭	**675.2012B.2012** [4]	1/4
		32W	▬	**675.2012**	1/7
		32W	▬	**675.2012.1102** [1]	1/7

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1] *1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2] *1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3] *2010: white window, without label, without locking kit, without terminal block.*
[4] *2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[5] *Without window.*



IP: IP40
Modularity: 18 DIN

N.° modules	Dimensions	Power	Colour	Code	
18+1 MOD.	434x270x75mm	36W	▭	**675.2018B**	1/7
		36W	▭	**675.2018B.1102** [1)]	1/7
		36W	▭	**675.2018B.2010** [3)]	1/7
		36W	▭	**675.2018B.2012** [4)]	1
		36W	▬	**675.2018**	1/7

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2)] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[5)] *Without window.*



IP: IP40
Modularity: 24 DIN

N.° modules	Dimensions	Power	Colour	Code	
24+4 MOD.	326x420x95mm	52W (74W*)	▭	**675.4024B**	1/5
		52W (74W*)	▭	**675.4024B.1102** [1)]	1/5
		52W (74W*)	▭	**675.4024B.2010** [3)]	1/5
		52W (74W*)	▭	**675.4024B.2012** [4)]	1
		52W (74W*)	▬	**675.4024**	1/5

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2)] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[5)] *Without window.*



IP: IP40
Modularity: 36 DIN

N.° modules	Dimensions	Power	Colour	Code	
36+4 MOD.	434x420x95mm	61W	▭	**675.4036B**	1/3
		61W	▭	**675.4036B.1102** [1)]	1/3
		61W	▭	**675.4036B.2010** [3)]	1/3
		61W	▭	**675.4036B.2012** [4)]	1
		61W	▬	**675.4036**	1/3

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2)] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[5)] *Without window.*



IP: IP40
Modularity: 54 DIN

N.° modules	Dimensions	Power	Colour	Code	
54+3 MOD.	434x570x95mm	71W	▭	**675.5054B**	1/2
		71W	▭	**675.5054B.1102** [1)]	1/2
		71W	▭	**675.5054B.2010** [3)]	1/2
		71W	▭	**675.5054B.2012** [4)]	1
		71W	▬	**675.5054**	1/2

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
(*) Power dissipation calculated when 2 consumer units are on top of each other joined by specially designed accessories.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2)] *.1101: tinted window (standard), with label, with triangular key, with 1 IP00 terminal block (5x10mm² - 5x16mm²).*
[3)] *.2010: white window, without label, without locking kit, without terminal block.*
[4)] *.2012: white window, without label, without locking kit, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[5)] *Without window.*

ACCESSORIES >> CONNECTION KIT DOMINO IP40 SURFACE MOUNTING



Description	Notes	N.° modules	Colour	Code	
CONNECTION KIT	LATERAL	18/36/54 MOD.		**654.0042B**	6/60
	LATERAL	18/36/54 MOD.		**654.0042**	6/60
	LATERAL	12/24 MOD.		**654.0041B**	6/60
	LATERAL	12/24 MOD.		**654.0041**	6/60
	TOP/BOTTOM	18/36/54 MOD.		**654.0044B**	6
	TOP/BOTTOM	18/36/54 MOD.		**654.0044**	6
	TOP/BOTTOM	12/24 MOD.		**654.0043B**	6
	TOP/BOTTOM	12/24 MOD.		**654.0043**	6

ACCESSORIES >> CONNECTION KIT DOMINO IP40 FLUSH MOUNTING



Description	Suitable for	Colour	Code	
ADAPTOR			**654.0046**	200



Description	Suitable for	Colour	Code	
CONNECTION KIT	DOMINO IP40 12-24 DIN DOMINO IP40 18-36-54 DIN		**654.0045**	6/72

ACCESSORIES >> COVER SEALING KIT (2 PIECES)



Description	Suitable for	Colour	Code	
COVER SEALING KIT	DOMINO IP40		**654.0033**	25

ACCESSORIES >> YALE KEY KIT



Description	Suitable for	Code	
YALE KEY KIT	DOMINO IP40 MBOX (WIN)	**654.0072**	10

For door (2 pieces).
For DIN window. Unique Yale keys, the same key opens all locks.

ACCESSORIES >> RIDGET PROFILE FOR DIN RAIL



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
DIN RAIL BRACKET	1 x EVOLUTION		1 MOD.	28,5mm		**654.0091**	12/120



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
DIN RAIL BRACKET	2 x EVOLUTION		2 MOD.	53mm		**654.0092**	12/120



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
RIDGED PROFILE FOR DIN RAIL		ELEVATION 18mm - LENGTH 320mm		DIN 35x7,5mm OMEGA		**654.0090**	20/100

ACCESSORIES >> BLANK PLATE FOR DIN MODULES



Description	Notes	N.° modules	Colour	Code	
BLANK PLATE FOR DIN MODULES	9x45mm	1/2 MOD.		**654.0420**	25/400

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	N.° modules	Colour	Code	
BLANK PLATE FOR DIN MODULES	18x45mm	1 MOD.		**654.0410**	25/250

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	N.° modules	Colour	Code	
BLANK PLATE FOR DIN MODULES	73x49mm	4 MOD.		**654.0400B**	25

When put between the modular devices these plates help to dissipate heat.



Description	Notes	N.° modules	Colour	Code	
BLANK PLATE FOR DIN MODULES	73x49mm	4 MOD.		**654.0400**	25/250

When put between the modular devices these plates help to dissipate heat.

ACCESSORIES >> TRANSFORMERS



Description	Notes	Dimensions	Code	
SAFETY TOROIDAL TRANSFORMER	150VA	ø170xø45xh25mm L=270mm	**654.0210**	1
	300VA	ø170xø39xh38mm L=270mm	**654.0220**	1

Cables: black 220V~, red 24V~.
Safety Extra Low Voltage (SELV).
F class.

DOMINO TERMINAL BLOCKS >> TERMINAL BLOCKS FOR DIN RAIL



Description	Type	IP	Colour	Code	
TERMINAL BLOCK	HORIZONTAL	IP20		**654.0359**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Phase R-S-T and earth/neutral terminal blocks.



Description	Type	IP	Colour	Code	
TERMINAL BLOCK	VERTICAL	IP20		**654.0358**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Phase R-S-T and earth/neutral terminal blocks.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X2



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 8 DIN DOMINO IP66 12 DIN DOMINO IP66 24 DIN (consumer units) IKONA IP66 8 DIN	IP20		**654.0361**	10

Insulated by a plastic cover for the connection of the flexible cables.
There is special left for one additional terminal block art. 654.0360.
For earth, phase and neutral conductors.
Terminals: 2x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 8 DIN DOMINO IP66 12-24 DIN IKONA IP66 8 DIN	IP20		**654.0361C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 2x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with one additional terminal block art. 654.0360.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X3



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 12-24 DIN DOMINO IP66 16-32-48-64 DIN IKONA IP66 12-24 DIN	IP20		**654.0362**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
There is special left for two additional terminal blocks art. 654.0360.
Terminals: 3x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 12-24 DIN DOMINO IP66 16-32-48-64 DIN IKONA IP66 12-24 DIN	IP20		**654.0362C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 3x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with two additional terminal blocks art. 654.0360.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X4



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 18-36-54 DIN DOMINO IP66 (distribution assemblies) IKONA IP66 18-36-54-72 DIN	IP20		**654.0364**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
There is special left for three additional terminal blocks art. 654.0360.
Terminals: 4x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 18-36-54 DIN DOMINO IP66 (distribution assemblies) IKONA IP66 18-36-54-72 DIN	IP20		**654.0364C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 4x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with three additional terminal blocks art. 654.0360.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> ADDITIONAL



Description	Notes	IP	Colour	Code	
TERMINAL BLOCK	EXTRA	IP20		**654.0360**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.

DOMINO TERMINAL BLOCKS >> TERMINAL BLOCKS WITHOUT INSULATED BASE - IP00



Description	Suitable for	IP	Code	
TERMINAL BLOCK	DOMINO IP40 MBOX2 MBOX3 BLOCK4	IP00	**654.0349**	10/100

Terminals: 1x (5x10mm² and 5x16mm²).
Earth terminal blocks.



FLAT Series

FLAT Series is a range of flush mounting consumer units, in 4 sizes from 12 to 48 DIN modules, featured by metallic gate with reduced protrusion from the wall.

They are available equipped with a flush box for brick wall or plasterboard.

technical sheet **p. 851**

Technical information

Main characteristics



01 Low profile frame

02 Door can be equipped with a yale key (on request).

03 Wall-flush door in painted steel

04 Reversible door

05 Terminal blocks as standard

06 Versions available with box for brick walls or plasterboard (GW 850°C)

07 Cover removal handles

08 Flush mounting box removable upper and lower walls with knockout

ENCLOSURES >> GW650°C (SUITABLE BRICK WALLS)



N.° modules	Dimensions	Power	Colour	IP40	
12+2 MOD.	368x343x90mm	25W	▭	**677.1012.1** [1)]	1
24+4 MOD.	368x443x90mm	41W	▭	**677.2024.1** [1)]	1
36+6 MOD.	368x568x90mm	54W	▭	**677.3036.2** [2)]	1
48+8 MOD.	368x753x91mm	75W	▭	**677.4048.2** [2)]	1
60+10 MOD.	368x878x93mm	75W	▭	**677.5060.2** [2)]	1

Materials: Thermoplastic enclosure - Painted metal door.

[1)] *.1 = 1x terminal block 2x(2x16mm² + 14x10mm²).*
[2)] *.2 = 2x terminal block 2x(2x16mm² + 14x10mm²).*

ENCLOSURES >> GW850°C (SUITABLE FOR PLASTERBOARD WALLS)



N.° modules	Dimensions	Power	Colour	IP40	
12+2 MOD.	368x343x90mm	25W	▭	**677.1012.1-HW** [1)]	1
24+4 MOD.	368x443x90mm	41W	▭	**677.2024.1-HW** [1)]	1
36+6 MOD.	368x568x90mm	54W	▭	**677.3036.2-HW** [2)]	1
48+8 MOD.	368x753x91mm	75W	▭	**677.4048.2-HW** [2)]	1
60+10 MOD.	368x878x93mm	75W	▭	**677.5060.2-HW** [2)]	1

Materials: Thermoplastic enclosure - Painted metal door.

[1)] *.1 = 1x terminal block 2x(2x16mm² + 14x10mm²).*
[2)] *.2 = 2x terminal block 2x(2x16mm² + 14x10mm²).*

ACCESSORIES AND COMPONENTS



Description	Suitable for	Notes	Code	
TERMINAL BLOCK	FLAT 12 DIN INC.	2x(2x16mm² + 14x10mm²)	**654.0377**	1/25
YALE KEY KIT		FOR METALLIC DOOR	**654.0074**	10
WALL MOUNTING BRACKETS KIT		(4 pz.)	**654.0026**	1/15
KIT BRACKETS FOR PLASTER WALL			**654.0025**	1/50



EMERGENCY Series

EMERGENCY is a range of emergency switchboards, for surface or flush mounting, made of self-extinguishing thermoplastic material and resistant to abnormal heat and fire up to 650°C.

technical sheet **p. 849**

EMERGENCY SWITCHBOARDS



Installation	Dimensions	Notes	Colour	Code	
FLUSH MOUNTING	100x100x50mm			**676.25100**	13

With 1 NO contact and 1 NC contact (2A, 250V).
Complete with glass-breaking hammer.
Can be mounted in flush mounting box with centre-to-centre distance 83.5 mm.
With illuminated push buttom (24V incandescent or 250V fluorescent bayonet lamp -12V).



Installation	Dimensions	Notes	Colour	Code	
SURFACE MOUNTING	100x100x50mm			**676.35100**	14

With 1 NO contact and 1 NC contact (2A, 250V).
Complete with glass-breaking hammer.
With illuminated push buttom (24V incandescent or 250V fluorescent bayonet lamp -12V).



Installation	Dimensions	Notes	Colour	Code	
SURFACE MOUNTING	205x220x140mm			**676.35205**	6

Equipped with flange to facilitate junctions.
With bottom plate.



Installation	Dimensions	Notes	Colour	Code	
SURFACE MOUNTING	205x220x140mm	6 DIN		**676.35201**	6

Equipped with flange to facilitate junctions.
With DIN rail.

KIT ACCESSORIES



Description	Dimensions	Code	
METAL FIXING BRACKETS		**676.10103**	20



Description	Dimensions	Code	
BREAKABLE GLASS	100x100mm	**676.10101**	10



Description	Dimensions	Code	
GLASS BREAKER		**676.10102**	10



CABINETS FOR AUTOMATION AND DISTRIBUTION

EASYBOX SERIES **p. 422**
Surface mounting waterproof modular cabinets for distribution





EASYBOX Series

EASYBOX is a range of surface mounting cabinets for automation and distribution, in 4 different sizes from 24 to 80 DIN modules, available with enclosure in high resistance thermoplastic material, in metal painted with epoxy resin or in stainless steel. Based on a concept of absolute modularity, the different configurations are obtained through the coupling of a few components. Available with tinted or blind door.

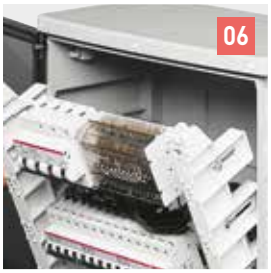
technical sheet **p. 848**

Technical information

Main characteristics







01 Possibility of assembling a blank gray internal door in technopolymer material, reversible with snap-in closure and triangular key (Yale key on request)

02 Door equipped with triangular key (Yale key on request)

03 Reversible door with 180° opening angle and snap-in fixing on pins

04 Door available tinted or blank grey colored in techonopolymer (LT), with window in painted metal (MV) or blank in stainless steel (AI)

05 Possibility of fixing DIN rails on different heights or modular plates in galvanized steel for fixing non-modular elements

06 Quick-fixing tilting frame to speed up wiring operations. Removable for work bench assembly and wiring.

07 Enclosure available in 4 different sizes in the following materials: technopolymer (LT), metal painted with epoxy resin (MV), stainless steel (AI)

08 Blank sides for vertical entries with cable glands, pipes or conduits

Enclosure versions



LT (technopolymer) type 3
(460x520x245mm) enclosure
with tinted door.



LT (technopolymer) type 4
(460x670x245mm) enclosure
with blank grey door.



LT (technopolymer) type 4
(460x670x245mm) enclosure
with blank grey door.



LT (technopolymer) type 4
(460x670x245mm) enclosure
with mounting plate and internal door.



AI (stainless steel) type 4
(460x670x245mm) enclosure
with blind door.



MV (painted metal) type 4
(460x670x245mm) enclosure
with door with transparent window.

EMPTY ENCLOSURES

Cabinets for automation and distribution

WATERTIGHT CABINETS >> BASE >> IP65



Horizontal modularity	Dimensions	Possible formats Variant A	Variant B		Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**LT**	**655.0010**	1
				MV	**655.0110**	1
				AI	**655.02101** [1)]	1
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN	**LT**	**655.0020**	1
				MV	**655.0120**	1
				AI	**655.02201** [1)]	1
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**LT**	**655.0030**	1
				MV	**655.0130**	1
				AI	**655.02301** [1)]	1
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN	**LT**	**655.0040**	1
				MV	**655.0140**	1
				AI	**655.02401** [1)]	1

[1)] *Base supplied with blank door already mounted.*

Key:
LT = Thermoplastic alloy
MV = Varnished metal
AI = Stainless steel



Blank grey

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**LT** 655.0011	1
				MV 655.0111	1
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN	**LT** 655.0021	1
				MV 655.0121	1
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**LT** 655.0031	1
				MV 655.0131	1
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN	**LT** 655.0041	1
				MV 655.0141	1



With window tinted (LT) with marine window (MV)

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**LT** 655.0012	1
				MV 655.0112	1
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN	**LT** 655.0022	1
				MV 655.0122	1
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**LT** 655.0032	1
				MV 655.0132	1
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN	**LT** 655.0042	1
				MV 655.0142	1

Key:
LT = Thermoplastic alloy
MV = Varnished metal
AI = Stainless steel

EMPTY ENCLOSURES

Cabinets for automation and distribution

WATERTIGHT CABINETS >> MOUNTING PLATE >> IP65



In thermoplastic material

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.0014** 267x294x4,5	1/4
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN	**655.0024** 407x294x4,5	1/4
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.0034** 407x444x4,5	1/2
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN	**655.0044** 407x594x4,5	1/2



Stainless steel smooth zinc-coated

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.0015** 267x294	1/4
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN	**655.0025** 407x294	1/4
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.0035** 407x444	1/2
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN	**655.0045** 407x594	1/2

WATERTIGHT CABINETS >> INTERNAL DOOR >> IP65



Blank grey

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.0016**	1/8
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN	**655.0026**	1/9
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.0036**	1/9
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN	**655.0046**	1/9

EMPTY ENCLOSURES

Cabinets for automation and distribution

WATERTIGHT CABINETS >> UPRIGHT >> IP65



Couple

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.0019**	1/8
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN		
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.0039**	1/10
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN	**655.0059**	1

WATERTIGHT CABINETS >> STANDARD PANEL WITH DIN VENT-HOLE >> IP65



1 module - With DIN rail

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.32020**	1/5
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN		
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.46020**	1/4
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN		



1 module - In metal, with brackets

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.32011**	1/8
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN		
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.46011**	1/8
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN		



2 modules - In metal, with brackets

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.32012**	1/4
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN		
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.46012**	1/4
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN		

EMPTY ENCLOSURES

Cabinets for automation and distribution

WATERTIGHT CABINETS >> DIN RAIL >> IP65



**1 module -
With brackets**

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.32010**	1/10
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN		
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.46010**	1/12
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN		

WATERTIGHT CABINETS >> STANDARD PLAIN PANEL >> IP65



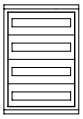
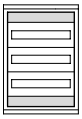
**1 module -
h= 150 mm**

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.32021**	1/8
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN		
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.46021**	1/10
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN		

WATERTIGHT CABINETS >> STANDARD PLAIN PANEL >> IP65



½ module - half module (2 pieces) h= 75 mm

Horizontal modularity	Dimensions	Possible formats Variant A	Variant A	Variant B	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1	 24 DIN	½+ 1+ ½	 12 DIN	**655.32022**	1/10
	Type 2 460x370x245 2 rows	1+ 1	 40 DIN	½+ 1+ ½	 20 DIN		
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1	 60 DIN	½+ 1+ 1+ ½	 40 DIN	**655.46022**	1/10
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1	 80 DIN	½+ 1+ 1+ 1+ ½	 60 DIN		

SURFACE MOUNTING BRACKETS



Description	Code	
Metal surface mounting brackets (**MV** e **Al**) - 4 pieces	**655.970**	1/10

MV = Varnished metal Al= Stainless steel.

EMPTY ENCLOSURES

Cabinets for automation and distribution

WATERTIGHT CABINETS >> PANEL FOR MOULDED-CASE CIRCUIT BREAKER >> IP65



Includes metal plate with DIN rail

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
M320 **12 DIN** for row	**Type 1** 320x370x210 2 rows	1+ 1 24 DIN	½+ 1+ ½ 12 DIN	**655.32024**	1/5
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN		
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.46024**	1/4
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN		

WATERTIGHT CABINETS >> SPECIAL INTERNAL DOOR PANEL >> IP65



Lock supplied

Horizontal modularity	Dimensions	Possible formats Variant A	Variant B	Code	
	Type 2 460x370x245 2 rows	1+ 1 40 DIN	½+ 1+ ½ 20 DIN		
M460 **20 DIN** for row	**Type 3** 460x520x245 3 rows	1+ 1+ 1 60 DIN	½+ 1+ 1+ ½ 40 DIN	**655.46025**	1/9
	Type 4 460x670x245 4 rows	1+ 1+ 1+ 1 80 DIN	½+ 1+ 1+ 1+ ½ 60 DIN		

ACCESSORIES >> BLANK PLATE FOR DIN MODULES



Description	Dimensions		Code	
BLANK PLATE FOR DIN MODULES	70X50	4 MOD.	**654.0401**	1

KIT ACCESSORIES



Description	For enclosures	Code	
Fixing into pole max Ø 300mm couple in metal	Type 1	**655.32090**	1/3
	Type 2, 3 e 4	**655.46090**	1/3



Description	Colour	Code	
Triangular key kit		**655.900**	1/10



Description	Colour	Code	
Yale key kit		**655.910**	1/10
	transparent fumè	**655.911**	1/10



Description	Colour	Code	
Accessory kit for padlocking (**LT**)		**655.920**[1)]	1/10

1) *Not suitable for metal doors. Padlock not supplied.*



Description	Code	
Additional brackets kit	**655.930**	1/10



Description	Code	
Ventilation kit IP54 - 230V~	**655.950**	1

DOCUMENT HOLDER

Description	Code	
Document holder	**655.960**	1/10



JUNCTION BOXES

SCABOX SERIES
Surface mounting junction boxes
p. 436



CUBIK SERIES
Surface mounting junction boxes GW 960°C
p. 440



WBOX SERIES
Flush mounting junction boxes
p. 441



ALUBOX SERIES
Surface mounting junction boxes in die-cast aluminium
p. 444



BEEBOX SERIES
Surface mounting enclosure for devices fixing
p. 445





SCABOX Series

SCABOX is a range of junction boxes made of halogen-free, shock-proof and self-extinguishing thermoplastic material.

SCABOX junction boxes fo electrical diverting are available in a wide variety of sizes and configurations: with or without cable sleeves, with high base for a greater wiring space and with transparent cover to guarantee the inspection of the cabling and the devices housed inside. The base-cover coupling is guaranteed by stainless steel or plastic quarter-turn captive screws, while the IP rating is ensured by the co-moulded gasket, integral with the cover and unlosable, for a constant protection against dust and liquids over time.

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JUNCTION BOXES >> BOX WITH CABLE SLEEVES >> CLIPPED BLANK COVER - IP55



Description	Dimensions	GW	IP	Entries	Colour	Code	
JUNCTION BOX	80x80x40mm	GW 650°C	IP55	7xØ23mm		**680.003**	120
	ø65x40mm	GW 650°C	IP55	4xØ23mm		**680.001**	200
	ø80x40mm	GW 650°C	IP55	4xØ23mm		**680.002**	160

JUNCTION BOXES >> BOX WITH CABLE SLEEVES >> SCREW BLANK COVER - IP55



Description	Dimensions	GW	IP	Entries	Colour	Code	
JUNCTION BOX	100x100x50mm	GW 650°C	IP55	6xØ29mm		**685.004**	48
	120x80x50mm	GW 650°C	IP55	6xØ29mm		**685.005**	54
	150x110x70mm	GW 650°C	IP55	10xØ29mm		**685.006** [1]	40
	190x140x70mm	GW 650°C	IP55	10xØ38mm		**685.007** [1]	24
	240x190x90mm	GW 650°C	IP55	12xØ38mm		**685.008** [1] [2]	12
	300x220x120mm	GW 650°C	IP55	12xØ38mm		**685.009** [1] [2]	6
	380x300x120mm	GW 650°C	IP55	12xØ48mm		**685.010** [1] [2]	4
	460x380x130mm	GW 650°C	IP55	14xØ48mm		**685.011** [2] [3]	1

[1] *It is possible to use the wall mounting brackets kit item 654.0021 (K1).*
[2] *Suitable for the hinges mounting.*
[3] *It is possible to use the wall mounting brackets kit item 654.0023 (K2).*

JUNCTION BOXES >> BOX WITH CABLE SLEEVES >> ¼ TURN SCREW BLANK COVER - IP55



Description	Dimensions	GW	IP	Entries	Colour	Code	
JUNCTION BOX	100x100x50mm	GW 650°C	IP55	7xØ29mm		**689.004**	48
	120x80x50mm	GW 650°C	IP55	6xØ29mm		**689.005**	54
	150x110x70mm	GW 650°C	IP55	10xØ29mm		**689.006**	40

JUNCTION BOXES >> BOX WITH BLANK SIDES - LOWER BOX >> SCREW BLANK COVER - IP56



Description	Dimensions	GW	IP	Colour	Code	
JUNCTION BOX	100x100x50mm	GW 650°C	IP56		**686.204**	40
	120x80x50mm	GW 650°C	IP56		**686.205**	42
	150x110x70mm	GW 650°C	IP56		**686.206** [1]	48
	190x140x70mm	GW 650°C	IP56		**686.207** [1]	30
	240x190x90mm	GW 650°C	IP56		**686.208** [1] [2]	16
	300x220x120mm	GW 650°C	IP56		**686.209** [1] [2]	10
	380x300x120mm	GW 650°C	IP56		**686.210** [1] [2]	4
	460x380x130mm	GW 650°C	IP56		**686.211** [2] [3]	1

[1] *It is possible to use the wall mounting brackets kit item 654.0021 (K1).*
[2] *Suitable for the hinges mounting.*
[3] *It is possible to use the wall mounting brackets kit item 654.0023 (K2).*

JUNCTION BOXES >> BOX WITH BLANK SIDES - LOWER BOX >> ¼ TURN SCREW BLANK COVER - IP55



Description	Dimensions	GW	IP	Colour	Code	
JUNCTION BOX	100x100x50mm	GW 650°C	IP55		**689.204**	40
	120x80x50mm	GW 650°C	IP55		**689.205**	42
	150x110x70mm	GW 650°C	IP55		**689.206**	48

JUNCTION BOXES >> BOX WITH BLANK SIDES - LOWER BOX >> SCREW CLEAR COVER - IP56



Description	Dimensions	GW	IP	Colour	Code	
JUNCTION BOX	100x100x50mm	GW 650°C	IP56		**686.224**	40
	120x80x50mm	GW 650°C	IP56		**686.225**	42
	150x110x70mm	GW 650°C	IP56		**686.226** [1]	48
	190x140x70mm	GW 650°C	IP56		**686.227** [1]	30
	240x190x90mm	GW 650°C	IP56		**686.228** [1] [2]	16
	300x220x120mm	GW 650°C	IP56		**686.229** [1] [2]	10
	380x300x120mm	GW 650°C	IP56		**686.230** [1] [2]	4
	460x380x130mm	GW 650°C	IP56		**686.231** [2] [3]	1

[1] *It is possible to use the wall mounting brackets kit item 654.0021 (K1).*
[2] *Suitable for the hinges mounting.*
[3] *It is possible to use the wall mounting brackets kit item 654.0023 (K2).*

JUNCTION BOXES >> BOX WITH BLANK SIDES - HIGHER BOX >> SCREW BLANK COVER - IP56



Description	Dimensions	GW	IP	Colour	Code	
JUNCTION BOX	100x100x80mm	GW 650°C	IP56		**686.404**	24
	240x190x125mm	GW 650°C	IP56		**686.408** [2]	6
	300x220x170mm	GW 650°C	IP56		**686.409** [2]	6
	380x300x170mm	GW 650°C	IP56		**686.410** [1] [2]	3
	460x380x180mm	GW 650°C	IP56		**686.411** [2] [3]	1

[1] *It is possible to use the wall mounting brackets kit item 654.0021 (K1).*
[2] *Suitable for the hinges mounting.*
[3] *It is possible to use the wall mounting brackets kit item 654.0023 (K2).*

EMPTY ENCLOSURES

Junction boxes

JUNCTION BOXES >> BOX WITH BLANK SIDES - HIGHER BOX >> SCREW CLEAR COVER - IP56



Description	Dimensions	GW	IP	Colour	Code	
JUNCTION BOX	100x100x80mm	GW 650°C	IP56		**686.424**	24
	240x190x125mm	GW 650°C	IP56		**686.428** 2)	6
	300x220x170mm	GW 650°C	IP56		**686.429** 2)	6
	380x300x170mm	GW 650°C	IP56		**686.430** 1) 2)	1/3
	460x380x180mm	GW 650°C	IP56		**686.431** 2) 3)	1

1) *It is possible to use the wall mounting brackets kit item 654.0021 (K1).*
2) *Suitable for the hinges mounting.*
3) *It is possible to use the wall mounting brackets kit item 654.0023 (K2).*

MOUNTING PLATE



Description	Dimensions	Colour	Code	
MOUNTING PLATE	190x140mm		**654.0787**	1/30
	240x190mm		**654.0788**	1/20
	300x220mm		**654.0789**	1/15
	380x300mm		**654.0790**	1/10
	460x380mm		**654.0791**	10

WALL MOUNTING KIT



Description	Notes	Colour	Code	
FIXING PLUG	ø6mm M7		**654.0022**	100/2.000

Suitable for SCABOX, CUBIK and CUBOX clipped cover box.



Description	Notes	Colour	Code	
WALL MOUNTING BRACKETS KIT	(4 pz.)		**654.0021**	10



Description	Notes	Colour	Code	
WALL MOUNTING BRACKETS KIT	(4 pz.)		**654.0023**	10

KIT ACCESSORIES



Description	Notes	Colour	Code	
HINGES KIT			**654.0085**	20



Description	Notes	Colour	Code	
COVER SEALING KIT	MBOX - SCABOX (2 pz.)		**654.0032**	25



Description	Notes	Colour	Code	
SEALING CAPS	(12 pz.)		**654.0080**	10/100

For providing total insulation e according to EN 60439-1.
Only for surface mounting enclosure.



CUBIK Series

CUBIK is a range of junction boxes made of impact-resistant and self-extinguishing thermoplastic material.

The high resistance to heat (GW 960 °C), is clearly identified by the red color of the housing.

The base-cover coupling is guaranteed by plastic quarter-turn captive screws, while the IP rating is ensured by the co-moulded gasket, integral with the cover and unlosable, for a constant protection against dust and liquids over time.

technical sheet **p. 845**

BOX WITH CABLE SLEEVES (CLIPPED COVER) - IP55 >> GLOW WIRE 960°C



Description	Dimensions	GW	IP	Entries	Colour	Code	
JUNCTION BOX	80x80x40mm	GW 960°C	IP55	7xØ23mm		**688.003.R**[1)]	120
	80x80x40mm	GW 960°C	IP55	7xØ23mm		**688.003**	120
	ø65x40mm	GW 960°C	IP55	4xØ23mm		**688.001**	200
	ø80x40mm	GW 960°C	IP55	4xØ23mm		**688.002**	160

[1)] *Box base red colored.*

BOX WITH CABLE SLEEVES (¼ TURN PLASTIC SCREW COVER) - IP55 >> GLOW WIRE 960°C



Description	Dimensions	GW	IP	Entries	Colour	Code	
JUNCTION BOX	100x100x50mm	GW 960°C	IP55	7xØ29mm		**688.004.R**[1)]	48
	100x100x50mm	GW 960°C	IP55	7xØ29mm		**688.004**	48
	120x80x50mm	GW 960°C	IP55	6xØ29mm		**688.005.R**[1)]	54
	120x80x50mm	GW 960°C	IP55	6xØ29mm		**688.005**	54
	150x110x70mm	GW 960°C	IP55	10xØ29mm		**688.006.R**[1)]	40
	150x110x70mm	GW 960°C	IP55	10xØ29mm		**688.006**	40

[1)] *Box base red colored.*

BOX WITH BLANK SIDES (¼ TURN PLASTIC SCREW COVER) - IP55 >> GLOW WIRE 960°C



Description	Dimensions	GW	IP	Colour	Code	
JUNCTION BOX	100x100x50mm	GW 960°C	IP55		**688.204.R**[1)]	40
	100x100x50mm	GW 960°C	IP55		**688.204**	40
	120x80x50mm	GW 960°C	IP55		**688.205.R**[1)]	42
	120x80x50mm	GW 960°C	IP55		**688.205**	42
	150x110x70mm	GW 960°C	IP55		**688.206.R**[1)]	48
	150x110x70mm	GW 960°C	IP55		**688.206**	48

[1)] *Box base red colored.*

KIT ACCESSORIES



Description	Notes	Colour	Code	
FIXING PLUG	ø6mm M7		**654.0022**	100/2.000

Suitable for SCABOX, CUBIK and CUBOX clipped cover box.



WBOX Series

WBOX is a range of flush-mounting junction boxes made of high-strength technopolymer, used for diverting in industry, tertiary and domestic sector. The WBOX series is completed by a wide range of accessories and spare parts such as covers, protective covers and internal separators available in different sizes.

technical sheet **p. 860**

TELEPHONE FLUSH MOUNTING BOX



Description	Dimensions	Colour	Code	
FLUSH MOUNTING BOX	70x70mm		**875.4301**	12/60

Provided complete with box, cover and screws.

FLUSH MOUNTING ROUND BOX Ø65MM >> FLUSH JUNCTION BOXES



Description	Dimensions	Colour	Code	
FLUSH MOUNTING BOX	ø65mm		**875.4201**	500

Provided without cover and screw.

FLUSH MOUNTING ROUND BOX Ø65MM >> COVER



Description	Dimensions	Colour	Code	
COVER WITH FASTENERS	ø65mm		**875.4501**	50/600
	ø80mm		**875.4502**	40/480

Supplied as spare parts.

FLUSH MOUNTING BOX 3 MODULES >> FLUSH MOUNTING JUNCTION BOXES



Description	Dimensions	Colour	Code	
FLUSH MOUNTING BOX	83,5mm		**875.4303**	300

Provided without cover and screw.
Suitable for UNIBOX Series frame (ref. 136.5023 and 136.5023.AT).

FLUSH MOUNTING BOX 3 MODULES >> COVER (SCREWS NOT INCLUDED)



Description	Dimensions	Colour	Code	
COVER	83,5mm		**180.692**	12/72

FLUSH MOUNTING BOX 3 MODULES >> PROTECTIVE COVER



Description	Dimensions	Colour	Code	
PROTECTIVE COVER	108x74mm		**875.4603**	120

For 3-module boxes item 875.4303.
Clip cover.

FLUSH MOUNTING JUNCTION BOXES >> FLUSH MOUNTING JUNCTION BOXES



Description	Dimensions	Colour	Code	
FLUSH MOUNTING BOX	92x92x45mm		**875.4410**	170
	118x96x50mm		**875.4411**	120
	118x96x70mm		**875.4411P**	90
	153x98x70mm		**875.4412**	70
	160x130x70mm		**875.4413**	44
	196x152x70mm		**875.4414**[1)]	40
	294x152x70mm		**875.4415**[1)]	24
	392x152x70mm		**875.4416**[1)]	20
	480x160x70mm		**875.4417**[1)]	12

Provided complete with box, cover and screws.

[1)] *Provided without separator.*

FLUSH MOUNTING JUNCTION BOXES >> COVER (SCREWS NOT INCLUDED)

Description	Dimensions	Colour	Code	
COVER (WITHOUT SCREWS)	92x92mm		**875.4510**	100
	118x96mm		**875.4511**	160
	153x98mm		**875.4512**	140
	160x130mm		**875.4513**	80
	196x152mm		**875.4514**	60
	294x152mm		**875.4515**	40
	392x152mm		**875.4516**	30
	480x160mm		**875.4517**	24
SCREWS FOR COVERS	3x19mm		**875.4500**	1/120

FLUSH MOUNTING JUNCTION BOXES >> PROTECTIVE COVER

Description	Dimensions	Colour	Code	
PROTECTIVE COVER	92x92mm		**875.4610**	100
	118x96mm		**875.4611**	160
	153x98mm		**875.4612**	140
	160x130mm		**875.4613**	80
	196x152mm		**875.4614**	60
	294x152mm		**875.4615**	40
	392x152mm		**875.4616**	30
	480x160mm		**875.4617**	24

Clip cover.

EMPTY ENCLOSURES

Junction boxes



ALUBOX Series

ALUBOX is a range of die-cast aluminum junction boxes designed to meet specific requirements in terms of robustness.

Due to its high mechanical strength and resistance to climatic and environmental stresses, the ALUBOX Series is particularly suitable for installation in aggressive environments such as heavy industry, on-board installation for industrial automation, in thermal, chemical and petrochemicals plants.

technical sheet **p. 842**

ENCLOSURES - IP66/IP67/IP69



Description	Dimensions	IP	Colour	Code	
JUNCTION BOX	100x100x58mm	IP66/IP67/IP69		**653.00** 1)	1/32
	140x115x60mm	IP66/IP67/IP69		**653.01** 1)	1/24
	166x142x64mm	IP66/IP67/IP69		**653.02** 1)	1/16
	192x168x80mm	IP66/IP67/IP69		**653.03** 2)	1/12
	253x217x93mm	IP66/IP67/IP69		**653.04** 2)	1/6
	314x264x122mm	IP66/IP67/IP69		**653.05** 2)	1/2
	410x315x150mm	IP66		**653.07** 2)	1

Enclosure and cover in die-cast aluminium.
Externally varnished.
With stainless steel screws for attaching cover and self-tapping zinccoated steel screws for earthing the enclosure and cover.

1) *Counter-sunk head screw.*
2) *Flat head screw.*

MOUNTING PLATES



Description	Dimensions	Colour	Code	
MOUNTING PLATE	140x115x60mm		**653.011**	1/40
	166x142x64mm		**653.012**	1/20
	192x168x80mm		**653.013**	1/20
	253x217x93mm		**653.014**	1/10
	314x264x122mm		**653.015**	1/10
	410x315x150mm		**653.017**	1/5

Zinc-coated steel plate.
With zinc-coated steel self-tapping screws for attaching the plate.

DIN RAIL KIT



Description	Dimensions	Colour	Code	
DIN RAIL KIT	100x100x58mm		**653.020**	1/25
	140x115x60mm		**653.021**	1/25
	166x142x64mm		**653.022**	1/20
	192x168x80mm		**653.023**	1/25
	253x217x93mm		**653.024**	1/20
	314x264x122mm		**653.025**	1/30
	410x315x150mm		**653.027**	1/50



BEEBOX Series

BEEBOX is a range of surface mounting enclosures made of shockproof and self-extinguishing technopolymer with reversible honeycomb cover. Available in three different sizes: single, double and quadruple.

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ENCLOSURES



Description	Dimensions	IP	Colour	Code	
SURFACE MOUNTING ENCLOSURE	150x200x40mm	IP41		**639.1040**	26
	150x200x60mm	IP41		**639.1060**	38
	150x200x80mm	IP41		**639.1080**	25
	200x300x120mm	IP41		**639.2120**	8
	200x300x40mm	IP41		**639.2040**	24
	200x300x60mm	IP41		**639.2060**	18
	200x300x80mm	IP41		**639.2080**	12
	300x400x120mm	IP41		**639.4120**	4
	300x400x60mm	IP41		**639.4060**	8
	300x400x80mm	IP41		**639.4080**	6

With honeycomb front panel.



DISTRIBUTION ASSEMBLIES

MBOX SERIES p. 448
Empty enclosures for distribution assemblies for construction site



IMPACT SERIES p. 452
Shockproof empty enclosures for distribution assemblies



DOMINO IP66 SERIES p. 454
Empy enclosures for modular distribution assemblies



BLOCK SERIES p. 474
Empty enclosures for compact distribution assemblies



ENERBOX SERIES p. 482
Empty enclosures for distribution assemblies with front and side sockets



ADAPTO SERIES p. 485
Empty enclosures for suspended distribution assemblies





MBOX Series

MBOX is a range of empty enclosures made of shock-resistant thermoplastic material for distribution assemblies for construction site. The series includes three different enclosures: MBOX2, MBOX3 and MBOX5 with IP66 protection rating. The extreme compactness of the enclosures and the retractable handle make the distribution assembly easily transportable inside the construction site area. The high number of DIN modules that can be installed makes the MBOX series extremely flexible and suitable to meet all system requirements. MBOX distribution assemblies can be equipped with industrial sockets, watertight domestic socket outlets or with interlocked socket outlets up to 63A.

technical sheet **p. 858**

EMPTY ENCLOSURES - MBOX2 >> EMPTY ENCLOSURES



Dimensions	Type	Notes	N.° modules	Power	Code	
440x365x290mm	WITHOUT DOOR	4 OMNIA	16 DIN (2x8)	27W	**656.0024-000**	1
440x365x290mm	WITHOUT DOOR	6 OPTIMA	16 DIN (2x8)	29W	**656.0026-000** [1]	1
440x365x290mm	WITHOUT DOOR	4 OMNIA + KIT LUX	16 DIN (2x8)	27W	**656.0024-000L** [2]	1
440x365x290mm	WITHOUT DOOR	6 OPTIMA + KIT LUX	16 DIN (2x8)	29W	**656.0026-000L** [1] [2]	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1] *With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.*
[2] *Complete with lights kit.*

IP: IP66

EMPTY ENCLOSURES - MBOX2 >> EMPTY ENCLOSURES - WITH EMERGENCY PUSH BUTTON



Dimensions	Type	Notes	N.° modules	Power	Code	
440x365x290mm	WITHOUT DOOR	4 OMNIA	16 DIN (2x8)	27W	**656.0924-000**	1
440x365x290mm	WITHOUT DOOR	6 OPTIMA	16 DIN (2x8)	29W	**656.0926-000** [1]	1
440x365x290mm	WITHOUT DOOR	4 OMNIA + KIT LUX	16 DIN (2x8)	27W	**656.0924-000L** [2]	1
440x365x290mm	WITHOUT DOOR	6 OPTIMA + KIT LUX	16 DIN (2x8)	29W	**656.0926-000L** [1] [2]	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1] *With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.*
[2] *Complete with lights kit.*

IP: IP66

EMPTY ENCLOSURES - MBOX3 >> EMPTY ENCLOSURES



Dimensions	Type	Notes	N.° modules	Code	
475x520x380mm	WITH DOOR	6 OMNIA	39 DIN (3x13)	**657.0036-000**	1
475x520x380mm	WITH DOOR	9 OPTIMA	39 DIN (3x13)	**657.0038-000** [1]	1
475x520x380mm	WITHOUT DOOR	4+1 63A OMNIA	39 DIN (3x13)	**657.0035-000**	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Complete with lights kit.

[1] *With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.*

IP: IP66

EMPTY ENCLOSURES - MBOX3 >> EMPTY ENCLOSURES - WITH EMERGENCY PUSH BUTTON



Dimensions	Type	Notes	N.° modules	Code	
475x520x380mm	WITH DOOR	6 OMNIA	39 DIN (3x13)	**657.0936-000**	1
475x520x380mm	WITH DOOR	9 OPTIMA	39 DIN (3x13)	**657.0938-000** [1]	1
475x520x380mm	WITHOUT DOOR	4+1 63A OMNIA	39 DIN (3x13)	**657.0935-000**	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Complete with lights kit.

[1] *With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.*

IP: IP66

EMPTY ENCLOSURES - MBOX5 >> EMPTY ENCLOSURES



Dimensions	Type	Notes	N.° modules	Code	
785x670x400mm	WITH DOOR	12 OMNIA	52 DIN (4x13)	**658.0050-000**	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Complete with lights kit.

IP: IP66

EMPTY ENCLOSURES - MBOX5 >> EMPTY ENCLOSURES - WITH EMERGENCY PUSH BUTTON



Dimensions	Type	Notes	N.° modules	Code	
785x670x400mm	WITH DOOR	12 OMNIA	52 DIN (4x13)	**658.0950-000**	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Complete with lights kit.

IP: IP66

ACCESSORIES FOR ENCLOSURES >> DISCONNECTOR KIT - MBOX3



Description	Dimensions	Type	Notes	Code	
ISOLATOR KIT	MBOX3	WITH DOOR	100A	**657.0343**	1/10
	MBOX3	WITH DOOR	16-32-40A	**657.0341**	1/10
	MBOX3	WITH DOOR	63-80A	**657.0342**	1/10
	MBOX3	WITHOUT DOOR	100A	**657.0333**	1/10
	MBOX3	WITHOUT DOOR	16-32-40A	**657.0331**	1/10
	MBOX3	WITHOUT DOOR	63-80A	**657.0332**	1/10

Disconnector kit complete with: yellow faceplate and handle. Suitable for backpanel switches 590.YA... (not provided).

ACCESSORIES FOR ENCLOSURES >> DISCONNECTOR KIT - MBOX5



Description	Dimensions	Type	Notes	Code	
ISOLATOR KIT	MBOX5	WITH DOOR	100A	**658.0363**	1/10
	MBOX5	WITH DOOR	16-32-40A	**658.0361**	1/10
	MBOX5	WITH DOOR	63-80A	**658.0362**	1/10
	MBOX5	WITHOUT DOOR	100A	**658.0353**	1/10
	MBOX5	WITHOUT DOOR	16-32-40A	**658.0351**	1/10
	MBOX5	WITHOUT DOOR	63-80A	**658.0352**	1/10

Disconnector kit complete with: yellow faceplate and handle. Suitable for backpanel switches 590.YA... (not provided).

ACCESSORIES FOR ENCLOSURES >> YALE KEY KIT



Description	Suitable for	Code	
YALE KEY KIT	DOMINO IP40 MBOX (WIN)	**654.0072**[1) 2)]	10
	MBOX3-5 (DOOR)	**654.0071**	10
LOCK KIT	MBOX3-5 (DOOR) IKONA IP66	**654.0078**	1/10

[1)] *For door (2 pieces).*
[2)] *For DIN window. Unique Yale keys, the same key opens all locks.*

ACCESSORIES FOR ENCLOSURES >> STAND KIT



Description	Suitable for	Dimensions	Code	
STAND KIT	MBOX2	422x418x261mm	**656.0120**	1
	MBOX3 MBOX5	656(M3)/916(M5)x695x1413mm	**657.0121**	1

ACCESSORIES FOR ENCLOSURES >> TURRET FIXING



Description	Suitable for	Dimensions	Code	
TURRET FIXING KIT	MBOX2	180x1005x220mm	**656.0220**	1
MOUNTING/FIXING PLATE	MBOX2	190x230x105mm	**656.0222**	1
BACK CLOSING PLATE	MBOX2	438x360x1,5mm	**656.0221**	1

ACCESSORIES FOR ENCLOSURES >> ACCESSORIES AND COMPONENTS



Description	Suitable for	Code	
CABLE SUPPORT KIT	MBOX2	**654.0051**	1/10
ACCESSORIES KIT	MBOX3 MBOX5	**654.0002** [1]	1/10
WALL MOUNTING BRACKETS KIT	MBOX2 MBOX3 MBOX5	**654.0024**	1/10
LIGHT KIT FOR MBOX	MBOX2 MBOX3 MBOX5	**654.0003**	1/10

[1] *The kit includes: 5x35mm² terminal block, M40 cable gland, wall mounting brackets, blank plate for 4 DIN modules.*

ACCESSORIES FOR ENCLOSURES >> BLANK PLATES - OMNIA



Description	IP	Notes	Code	
BLANK COVER	IP66	OMNIA 63A	**654.0130**	5
	IP66	OMNIA	**654.0120**	6/72
FLANGE ADAPTER	IP66	16A [70x87]	**654.0125** [1]	1/6/72
	IP66	32A [84x106]	**654.0126** [2]	1/6/72
	IP66	63A [100x110]	**654.0128** [3]	1/6/72

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.

[1] *With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.*
[2] *With cut-outs to contain 32A (84x106mm) socket.*
[3] *With cut-outs to contain 63A (100x110mm) socket.*

ACCESSORIES FOR ENCLOSURES >> APPLIANCE INLETS (KIT)





IP: IP67

Poles	h	Volt	32A		63A		125A	
3P+E	6	380-415	**654.903296**	1	**654.906396**	1	**654.912596**	1
3P+N+E	6	346-415	**654.903297**	1	**654.906397**	1	**654.912597**	1



IMPACT Series

IMPACT is a range of empty enclosures for distribution assemblies in butyl rubber or LLDPE (linear low-density polyethiylene), self-extinguishing and able to grant maximum resistance to impact and to atmospheric and chemical agents.

The IMPACT Series enclosures guarantee safe use in the most adverse environmental conditions and in the presence of strong mechanical stresses, even continuous.

The black color of the enclosures makes them suitable also for use in the public entertainment sector where they are appreciated for their ease of movement through their comfortable handles.

Available in single-sided and double-sided version for the installation of industrial or domestic socket outlets.

technical sheet **p. 852**

EMPTY ENCLOSURES >> TYPE 1



IP	Dimensions	Notes	N.° modules	Code	
IP65	400x400x275mm	PORTABLE WITH HANDLE	2x12 MOD.	**692.4201-00**	1

EMPTY ENCLOSURES >> TYPE 2



IP	Dimensions	Notes	Code	
IP65	235x235x180mm	PORTABLE WITH HANDLE	**692.4202-00**	1

EMPTY ENCLOSURES >> TYPE 3



IP	Dimensions	Notes	N.° modules	Code	
IP65	270x270x231mm	PORTABLE WITH HANDLE	10 MOD.	**692.4203-00**	1

EMPTY ENCLOSURES >> TYPE 4



IP	Dimensions	Notes	Code	
IP65	130x380x83mm	PORTABLE WITH HANDLE	**692.4205-00**	1
	230x130x70mm	PORTABLE WITH HANDLE	**692.4206-00**	1
	260x210x98mm	EMPTY ENCLOSURE	**692.4204-00**	1

EMPTY ENCLOSURES >> TYPE A - ONE FRONT UNITS



IP	Installation	Dimensions	N.° modules	Power	Code	
IP65	SURFACE MOUNTING	260x380x130mm	12 MOD.	20W	**692.4200-00**	1
	PORTABLE	260x380x130mm	12 MOD.	20W	**690.4200-00** [1)]	1

[1)] *Complete with handle (supplied in the accessory kit).*

EMPTY ENCLOSURES >> TYPE B - TWO FRONT UNITS



IP	Installation	Dimensions	N.° modules	Power	Code	
IP65	ON TURRET	325x260x196mm	8 MOD.	14W	**692.4300-00**	1

ACCESSORIES FOR ENCLOSURES >> KIT TUBULAR STAND



Description	Installation	Code	
TUBULAR STAND	ON TURRET	**692.4330**	1

ACCESSORIES FOR ENCLOSURES >> HANDLE KIT A



Description	Suitable for	Code	
HANDLE KIT	DOMINO IP66 GOMMA	**654.0060**	10

ACCESSORIES FOR ENCLOSURES >> KIT WINDOW A



Description	Installation	IP	Notes	N.° modules	Code	
KIT FOR PADLOCKING					**654.0077**	1/10
WINDOW KIT	FLUSH MOUNTING	IP65	+ KIT DIN	6 MOD.	**654.0141-06**	10
	FLUSH MOUNTING	IP65	+ KIT DIN	8 MOD.	**654.0141-08**	10
	FLUSH MOUNTING	IP65	+ KIT DIN	12 MOD.	**654.0141-12**	10
	FLUSH MOUNTING	IP65		6 MOD.	**654.0140-06**	10
	FLUSH MOUNTING	IP65		8 MOD.	**654.0140-08**	10
	FLUSH MOUNTING	IP65		12 MOD.	**654.0140-12**	10
SCREW KNOBS KIT					**654.0140**	50



DOMINO IP66 Series

DOMINO IP66 is a range of empty enclosures for distribution assemblies made of shockproof and self-extinguishing thermoplastic material, ideal for industrial, service and construction site applications.

Available in 4 different sizes, from 8 to 24 DIN, with blind front panel or with cutouts for the installation of industrial socket outlets up to 63A, also interlocked, or waterproof and watertight domestic socket outlets.

technical sheet **p. 847**

Technical information

Main characteristics



01 Window equipped with triangular key (Yale key on request)

02 Enclosure in halogen-free materials

03 Rapid lead captive stainless steel screws (sealing kit on request)

04 Base-cover coupling by means of hinges

05 Blank front panel or with cut-outs to install:
- OPTIMA Series industrial sockets up to 63A
- IP54 DOMO Series / IP66 DOMOPLUS Series domestic sockets
- OMNIA Series interlocked industrial sockets up to 63A / OMNIAPLUS Series interlocked domestic sockets

06 Spacious enclosure to facilitate cabling operations

07 Blank sides with drilling point marks

Compatibily

Flush mounting industrial socket outlets



Flush mounting domestic socket outlets

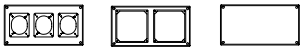
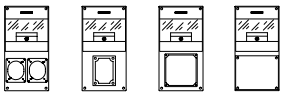
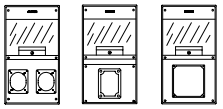
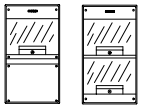
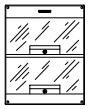
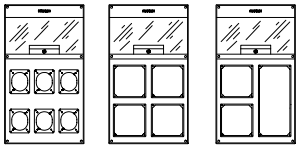
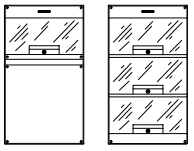
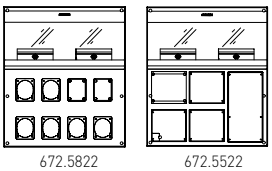
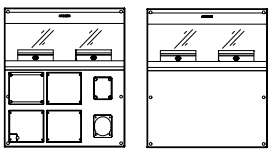
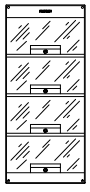


Flush mounting switched interlocked socket outlets



Modularity

The distribution assemblies and consumer units of the DOMINO IP66 Series are characterized by mutually modular elements. What defines the modularity is the height (M) of the enclosure or its width (DIN). Distribution assemblies and consumer units with the same height can be placed side by side and connected to each other by means of specific connection kits. Distribution assemblies and consumer units with the same width can be put on top each other always by means of specific connection kits.

	4 DIN	8 DIN	12 DIN	16 DIN	24 DIN
M150			 672.1001 672.1301	 672.1300 672.1200 672.1100	
M190	 672.2004	 672.2008			
M250			 672.2012	 672.2016	
M340		 672.2300 672.2301 672.2200 672.2100			
M400			 672.3300 672.3302 672.3200  672.3100 672.4024	 672.4316 672.4216 672.4116  672.4032	
M550				 672.5616 672.5416 672.5316  672.5116 672.5048	 672.5822 672.5522  672.5622 672.5122
M700				 672.7064	

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH BLANK FRONT PANEL >> M150 >> BOX



Installation	Dimensions	Power	Code	
SURFACE MOUNTING	256x150x115mm	18W	**672.1101**	1/6
	328x150x115mm	20W	**672.1100**	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH BLANK FRONT PANEL >> M340 >> 8 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	184x340x106mm	8 MOD.	14W	**672.2100**	1/10

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH BLANK FRONT PANEL >> M400 >> 12 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	256x400x140mm	12 MOD.	22W	**672.3100**	1/6
	256x400x140mm	12 MOD.	22W	**672.3100.1102** [1]	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH BLANK FRONT PANEL >> M400 >> 16 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	328x400x140mm	16 MOD.	28W	**672.4116**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH BLANK FRONT PANEL >> M550 >> 16 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	328x550x140mm	16 MOD.	28W	**672.5116**	1/3
	328x550x140mm	16 MOD.	28W	**672.5116.1102** [1)]	1/3

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH BLANK FRONT PANEL >> M550 >> 24 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	477x550x150mm	24 MOD.	28W	**672.5122.1102** [1)]	1
	477x550x150mm	24 MOD.	36W	**672.5122**	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OMNIA SERIES CUTOUTS >> M150 >> 2 OMNIA



Installation	Dimensions	Power	Code	
SURFACE MOUNTING	328x150x115mm	20W	**672.1200**	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OMNIA SERIES CUTOUTS >> M340 >> 1 OMNIA - 8 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	184x340x106mm	8 MOD.	14W	**672.2200**	1/10

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

EMPTY ENCLOSURES

Distribution assemblies

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OMNIA SERIES CUTOUTS >> M400 >> 1 OMNIA - 12 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	256x400x140mm	12 MOD.	22W	**672.3200**	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OMNIA SERIES CUTOUTS >> M400 >> 2 OMNIA - 16 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	328x400x140mm	16 MOD.	28W	**672.4216**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OMNIA SERIES CUTOUTS >> M550 >> 4 OMNIA - 16 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	328x550x140mm	16 MOD.	28W	**672.5416**	1/3

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Connection device to be fixed in the upper side.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OMNIA SERIES CUTOUTS >> M550 >> 4 OMNIA + 2 OPTIMA - 24 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	477x550x150mm	24 MOD.	36W	**672.5622**	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Connection device to be fixed in the upper side.
With cutouts to contain 4 OMNIA Series 16A or 32A and 2 OPTIMA Series 16A or 32A.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OMNIA SERIES CUTOUTS >> M550 (63A) >> 2+1(63A) OMNIA - 16 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	328x550x140mm	16 MOD.	28W	**672.5316**	1/3

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Connection device to be fixed in the upper side.
With cutouts to contain 2 OMNIA Series 16A or 32A and 1 OMNIA Series 63A.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OMNIA SERIES CUTOUTS >> M550 (63A) >> 4+1(63A) OMNIA - 24 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	477x550x150mm	24 MOD.	36W	**672.5522**	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Connection device to be fixed in the upper side.
With cutouts to contain 4 OMNIA Series 16A or 32A and 1 OMNIA Series 63A.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OPTIMA SERIES CUTOUTS >> M150 >> 2 SOCKETS



Installation	Dimensions	Power	Code	
SURFACE MOUNTING	256x150x115mm	18W	**672.1301**	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OPTIMA SERIES CUTOUTS >> M150 >> 3 SOCKETS



Installation	Dimensions	Power	Code	
SURFACE MOUNTING	328x150x115mm	20W	**672.1300**	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OPTIMA SERIES CUTOUTS >> M340 >> 2 SOCKETS - 8 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	184x340x106mm	8 MOD.	14W	**672.2300**	1/10
	184x340x106mm	8 MOD.	14W	**672.2300.1102** [1]	1/10

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
With cut-outs to contain 16A (70x87mm) socket and DOMOPLUS Series.

[1] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OPTIMA SERIES CUTOUTS >> M340 >> 1 SOCKET 32A - 8 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	184x340x106mm	8 MOD.	14W	**672.2301**	1/10
	184x340x106mm	8 MOD.	14W	**672.2301.1102** [1]	1/10

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
With cut-outs to contain 32A (84x106mm) socket.

[1] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OPTIMA SERIES CUTOUTS >> M400 >> 2 SOCKETS - 12 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	256x400x140mm	12 MOD.	22W	**672.3300** [2]	1/6
	256x400x140mm	12 MOD.	22W	**672.3300.1102** [1]	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.

[1] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*
[2] *Connection device to be fixed in the upper side.*

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OPTIMA SERIES CUTOUTS >> M400 >> 1 SOCKET 63A - 12 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	256x400x140mm	12 MOD.	22W	**672.3302**	1/6
	256x400x140mm	12 MOD.	22W	**672.3302.1102** [1]	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
With cut-outs to contain 63A (100x110mm) socket.

[1] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OPTIMA SERIES CUTOUTS >> M400 >> 3 SOCKETS - 16 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	328x400x140mm	16 MOD.	28W	**672.4316**	1/4
	328x400x140mm	16 MOD.	28W	**672.4316.1102**[1)]	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OPTIMA SERIES CUTOUTS >> M550 >> 6 SOCKETS - 16 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	328x550x140mm	16 MOD.	28W	**672.5616**	1/3
	328x550x140mm	16 MOD.	28W	**672.5616.1102**[1)]	1/3

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66

MODULAR ENCLOSURES - IP66 >> ENCLOSURES WITH OPTIMA SERIES CUTOUTS >> M550 >> 8 SOCKETS - 24 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	477x550x150mm	24 MOD.	28W	**672.5822.1102**[1)]	1
	477x550x150mm	24 MOD.	36W	**672.5822**	1

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.

[1)] *.1102: tinted window (standard), with label, with triangular key, with 2 IP00 terminal blocks (5x10mm² - 5x16mm²).*

IP: IP66

MODULAR ENCLOSURES - IP66 >> SINGLE COMPONENTS >> M150(X256) >> BASE



Installation	Dimensions	Code	
SURFACE MOUNTING	256x150x115mm	**674.1001**	6

MODULAR ENCLOSURES - IP66 >> SINGLE COMPONENTS >> M150(X256) >> BLANK COVER



Dimensions	Code	
256x150mm	**674.1101**	6

MODULAR ENCLOSURES - IP66 >> SINGLE COMPONENTS >> M150(X256) >> 2 SOCKETS 70X87MM



Dimensions	Code	
256x150mm	**674.1301**	6

With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.

MODULAR ENCLOSURES - IP66 >> SINGLE COMPONENTS >> M150(X328) >> BASE



Installation	Dimensions	Code	
SURFACE MOUNTING	328x150x115mm	**674.1000**	6

MODULAR ENCLOSURES - IP66 >> SINGLE COMPONENTS >> M150(X328) >> BLANK COVER



Dimensions	Code	
328x150mm	**674.1100**	6

MODULAR ENCLOSURES - IP66 >> SINGLE COMPONENTS >> M150(X328) >> 2 OMNIA



Dimensions	Code	
328x150mm	**674.1200**	6

MODULAR ENCLOSURES - IP66 >> SINGLE COMPONENTS >> M150(X328) >> 3 SOCKETS 70X87MM



Dimensions	Code	
328x150mm	**674.1300**	6

With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.

ACCESSORIES FOR MODULAR ENCLOSURES >> PLATE FOR POLE MOUNTING



Description	Suitable for	Dimensions	Code	
MOUNTING/FIXING PLATE	DOMINO IP66 M400	DOMINO M400 [12DIN]	**654.0657**	1
	DOMINO IP66 M400	DOMINO M400 [16DIN]	**654.0651**	1
	DOMINO IP66 M550	DOMINO M550 [16DIN]	**654.0652**	2

ACCESSORIES FOR MODULAR ENCLOSURES >> PLATE WITH ROOF FOR POLE FIXING



Description	Suitable for	Dimensions	Code	
PLATE WITH PROTECTION ROOF		4 OMNIA [16DIN]	**654.0662**	1
	DOMINO IP66 M340	DOMINO M340 [8DIN]	**654.0661**	1
	DOMINO IP66 M400	DOMINO M400 [16DIN]	**654.0653**	2
	DOMINO IP66 M550	DOMINO M550 [16DIN]	**654.0654**	2

ACCESSORIES FOR MODULAR ENCLOSURES >> TUBULAR SUPPORT



Description	Suitable for	Dimensions	Code	
METAL POLE	DOMINO IP66	ø80xh1250mm	**654.0650**	1

ACCESSORIES FOR MODULAR ENCLOSURES >> WALL MOUNTING BRACKETS KIT



Description	Installation	Suitable for	Notes	Code	
WALL MOUNTING BRACKETS KIT	SURFACE MOUNTING	DOMINO IP66 IKONA IP66	(4 pz.)	**654.0020**	10



Description	Installation	Suitable for	Notes	Code	
WALL MOUNTING BRACKETS KIT		SCABOX K2 DOMINO IP66 24 DIN	(4 pz.)	**654.0023**	10

ACCESSORIES FOR MODULAR ENCLOSURES >> ZINC-COATED STEEL MOUNTING PLATE



Description	Suitable for	Dimensions	Code	
MOUNTING PLATE	DOMINO IP66 M190	275x110mm	**654.0700**	1



Description	Suitable for	Dimensions	Code	
MOUNTING PLATE	DOMINO IP66 M250	275x180mm	**654.0710**	1/10

Can be mounted in DOMINO IP66 M400 and M550 enclosures.
The plate comes with slots for fitting the safety transformer throught cable ties (item 654.0210 or 654.0220).

ACCESSORIES FOR MODULAR ENCLOSURES >> CONNECTION KIT



Description	Suitable for	Notes	Code	
CONNECTION KIT	DOMINO IP66 PROXIMA IKONA IP66	PG21	**654.0038**	25
	DOMINO IP66 IKONA IP66	PG36	**654.0040**	25

ACCESSORIES FOR MODULAR ENCLOSURES >> STAND KIT



Description	Suitable for	Dimensions	Code	
STAND KIT	DOMINO IP66 M550 (16 DIN)	320x794x320mm	**654.0615**	1



Description	Suitable for	Dimensions	Code	
STAND KIT	DOMINO IP66 M550 - OMNIA OMNIA	376x691x70mm	**654.0610**	1

Folding.

ACCESSORIES FOR MODULAR ENCLOSURES >> COVER SEALING KIT (2 PIECES)



Description	Suitable for	Code	
COVER SEALING KIT	DOMINO IP66	**654.0030**	25

ACCESSORIES FOR MODULAR ENCLOSURES >> YALE KEY KIT



Description	Suitable for	Code	
YALE KEY KIT	DOMINO IP66	**654.0070**	10

Unique Yale keys, the same key opens all locks.
For door (2 pieces).

ACCESSORIES FOR MODULAR ENCLOSURES >> HANDLE KIT



Description	Suitable for	Code	
HANDLE KIT	DOMINO IP66 GOMMA	**654.0060**	10

ACCESSORIES FOR MODULAR ENCLOSURES >> RIDGET PROFILE FOR DIN RAIL



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
DIN RAIL BRACKET	1 x EVOLUTION		1 MOD.	28,5mm		**654.0091**	12/120



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
DIN RAIL BRACKET	2 x EVOLUTION		2 MOD.	53mm		**654.0092**	12/120



Description	Suitable for	Notes	N.° modules	Dimensions	Colour	Code	
RIDGED PROFILE FOR DIN RAIL		ELEVATION 18mm - LENGTH 320mm		DIN 35x7,5mm OMEGA		**654.0090**	20/100

ACCESSORIES FOR MODULAR ENCLOSURES >> DIN RAIL ADJUSTABLE HEIGHT



Description	Notes	N.° modules	Code	
DIN RAIL KIT	DOMINO IP66	12 MOD.	**654.0751**	10
	DOMINO IP66	16 MOD.	**654.0750**	10
	DOMINO IP66	24 MOD.	**654.0753**	10
	DOMINO IP66	2x12 MOD.	**654.0752**	10

With mounting brackets.

ACCESSORIES FOR MODULAR ENCLOSURES >> BLANK PLATE FOR DIN MODULES



Description	Notes	N.° modules	Code	
BLANK PLATE FOR DIN MODULES	9x45mm	1/2 MOD.	**654.0420**	25/400

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	N.° modules	Code	
BLANK PLATE FOR DIN MODULES	18x45mm	1 MOD.	**654.0410**	25/250

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	N.° modules	Code	
BLANK PLATE FOR DIN MODULES	73x49mm	4 MOD.	**654.0400**	25/250

When put between the modular devices these plates help to dissipate heat.

ACCESSORIES FOR MODULAR ENCLOSURES >> BLANK PLATES



Description	Flange	Notes	IP	Colour	Code	
BLANK PLATE FOR PANEL CUT OUTS	70X87MM		IP66		**654.0100**	25

With gasket.



Description	Flange	Notes	IP	Colour	Code	
FLANGE ADAPTER	84X106MM	84x106 --> 75x75	IP66		**654.0108**	1/5

With gasket.

ACCESSORIES FOR MODULAR ENCLOSURES >> BLANK PLATES - TOP22



Description	Suitable for	Flange	IP	Colour	Code	
FLANGE ADAPTER	1 x TOP22	70X87MM	IP66		**654.0101Y**	25

With gasket.
For components TOP22 Series (ø22mm).



Description	Suitable for	Flange	IP	Colour	Code	
FLANGE ADAPTER	1 x TOP22	70X87MM	IP66		**654.0101**	25

With gasket.
For components TOP22 Series (ø22mm).



Description	Suitable for	Flange	IP	Colour	Code	
FLANGE ADAPTER	2 x TOP22	70X87MM	IP66		**654.0102**	25

With gasket.
For components TOP22 Series (ø22mm).

ACCESSORIES FOR MODULAR ENCLOSURES >> BLANK PLATES - OMNIA



Description	IP	Notes	Code	
BLANK COVER	IP66	OMNIA 63A	**654.0130**	5

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.



Description	IP	Notes	Code	
BLANK COVER	IP66	OMNIA	**654.0120**	6/72

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.



Description	IP	Notes	Code	
FLANGE ADAPTER	IP66	16A [70x87]	**654.0125**	1/6/72

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.
With cut-outs to contain 16A (70x87mm) socket or, with suitable adaption, 32A (84x106mm) socket and DOMOPLUS Series.



Description	IP	Notes	Code	
FLANGE ADAPTER	IP66	32A [84x106]	**654.0126**	1/6/72

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.
With cut-outs to contain 32A (84x106mm) socket.



Description	IP	Notes	Code	
FLANGE ADAPTER	IP66	63A [100x110]	**654.0128**	1/6/72

IP66 when coupled with the relevant component.
Covers for OMNIA Series cutouts.
With cut-outs to contain 63A (100x110mm) socket.

ACCESSORIES FOR MODULAR ENCLOSURES >> TRANSFORMERS



Description	Dimensions	Notes	Code	
SAFETY TOROIDAL TRANSFORMER	ø170xø39xh38mm L=270mm	300VA	**654.0220**	1
	ø170xø45xh25mm L=270mm	150VA	**654.0210**	1

Cables: black 220V~, red 24V~.
Safety Extra Low Voltage (SELV).
F class.

ACCESSORIES FOR MODULAR ENCLOSURES >> DOMESTIC KIT



Description	Suitable for	IP	Notes	Code	
FLUSH MOUNTING FRAME	EVOLUTION	IP55	EVOLUTION MODULES	**570.5052**	10/100

Modules snap into place.



Description	Suitable for	IP	Notes	Code	
FLUSH MOUNTING FRAME	BTICINO	IP55	B-TICINO MODULES	**570.5012**	10/100

Modules snap into place.
Manufactured with the autorization from Bticino spa company and is suitable to house "Living International", "Luna", "Light" and "Light Tech" modules which are registered trademarks owned by Bticino.



Description	Suitable for	IP	Notes	Code	
COVER WITH INSERT	EVOLUTION	IP55	EVOLUTION MODULES	**654.0122**	6

Modules snap into place.



Description	Suitable for	IP	Notes	Code	
COVER WITH INSERT	BTICINO	IP55	B-TICINO MODULES	**654.0121**	6

Modules snap into place.
Manufactured with the autorization from Bticino spa company and is suitable to house "Living International", "Luna", "Light" and "Light Tech" modules which are registered trademarks owned by Bticino.

DOMINO TERMINAL BLOCKS >> TERMINAL BLOCKS FOR DIN RAIL



Description	Type	IP	Colour	Code	
TERMINAL BLOCK	HORIZONTAL	IP20		**654.0359**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Phase R-S-T and earth/neutral terminal blocks.



Description	Type	IP	Colour	Code	
TERMINAL BLOCK	VERTICAL	IP20		**654.0358**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Phase R-S-T and earth/neutral terminal blocks.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X1



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP66 8 DIN	IP20		**654.0363**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 1x (5x10mm² and 5x16mm²).

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X2



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 8 DIN DOMINO IP66 12DIN DOMINO IP66 24 DIN (consumer units) IKONA IP66 8 DIN	IP20		**654.0361**	10

Insulated by a plastic cover for the connection of the flexible cables.
There is special left for one additional terminal block art. 654.0360.
For earth, phase and neutral conductors.
Terminals: 2x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 8 DIN DOMINO IP66 12-24 DIN IKONA IP66 8 DIN	IP20		**654.0361C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 2x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with one additional terminal block art. 654.0360.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X3



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 12-24 DIN DOMINO IP66 16-32-48-64 DIN IKONA IP66 12-24 DIN	IP20		**654.0362**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
There is special left for two additional terminal blocks art. 654.0360.
Terminals: 3x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 12-24 DIN DOMINO IP66 16-32-48-64 DIN IKONA IP66 12-24 DIN	IP20		**654.0362C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 3x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with two additional terminal blocks art. 654.0360.

TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> X4



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 18-36-54 DIN DOMINO IP66 (distribution assemblies) IKONA IP66 18-36-54-72 DIN	IP20		**654.0364**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
There is special left for three additional terminal blocks art. 654.0360.
Terminals: 4x (5x10mm² and 5x16mm²).



Description	Suitable for	IP	Colour	Code	
TERMINAL BLOCK	DOMINO IP40 18-36-54 DIN DOMINO IP66 (distribution assemblies) IKONA IP66 18-36-54-72 DIN	IP20		**654.0364C**	10

Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.
Terminals: 4x (5x10mm² and 5x16mm²).
Complete terminal block, supplied with three additional terminal blocks art. 654.0360.

DOMINO TERMINAL BLOCKS >> MODULAR TERMINAL BLOCKS - IP20 >> ADDITIONAL



Description	Notes	IP	Colour	Code	
TERMINAL BLOCK	EXTRA	IP20		**654.0360**	10

Terminals: 1x (5x10mm² and 5x16mm²).
Insulated by a plastic cover for the connection of the flexible cables.
For earth, phase and neutral conductors.



BLOCK Series

BLOCK is a range of empty enclosures for distribution assemblies made of shockproof and self-extinguishing thermoplastic material, ideal for powering small and medium devices in the industrial, service and construction site sectors.

Available in four sizes, from 4 to 14 DIN, with cutouts for the installation of non-interlocked industrial sockets up to 32A and waterproof domestic socket outlets, or with a blind panel.

Easy to transport thanks to its compact size and convenient hidden tilting handle.

technical sheet **p. 844**

Technical information

Main characteristics



01 Blank sides with drilling point marks

02 Window equipped with latch or triangular key

03 Quick-fit captive stainless steel screws

04 Blank front panel or with cut-outs to install:
- OPTIMA Series industrial sockets up to 32A
- IP54 DOMO Series / IP66 DOMOPLUS Series domestic sockets

05 Spacious enclosure to facilitate cabling operations

06 Retractable tilting handle, removable for fixed installation

Compatibily



Flush mounting industrial socket outlets



Flush mounting domestic socket outlets

EMPTY ENCLOSURES - BLANK PANEL >> BLOCK1 - 4 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	110x280x95mm	4 MOD.	8W	**632.1510-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

EMPTY ENCLOSURES - BLANK PANEL >> BLOCK3



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	136x440x85mm	0 MOD.	9W	**632.3511-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

EMPTY ENCLOSURES

Distribution assemblies

EMPTY ENCLOSURES - BLANK PANEL >> BLOCK3 - 6 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	136x440x105mm	6 MOD.	9W	**632.3510-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

EMPTY ENCLOSURES - BLANK PANEL >> BLOCK4 - 11 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	212x415x105mm	11 MOD.	14W	**632.4510-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

EMPTY ENCLOSURES - BLANK PANEL >> BLOCK4 - 11 DIN - YALE KEY



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	212x415x105mm	11 MOD.	14W	**632.4710-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

EMPTY ENCLOSURES - BLANK PANEL >> BLOCK5 - 14 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	272x414x110mm	14 MOD.	15W	**632.5510-000**	1/2

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.

IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 >> BLOCK1 - 1 SOCKET - 4 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	110x280x95mm	4 MOD.	8W	**632.1500-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Does not accept COMMAND Series 63A switches and above.
70x87mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions

IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 >> BLOCK3 - 3 SOCKETS - 6 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	136x440x105mm	6 MOD.	9W	**632.3500-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 >> BLOCK3 - 4 SOCKETS



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	136x440x85mm	0 MOD.	9W	**632.3501-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

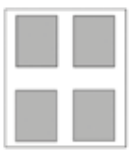
IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 >> BLOCK4 - 4 SOCKETS - 11 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	212x415x105mm	11 MOD.	14W	**632.4500-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 >> BLOCK4 - 4 SOCKETS - 11 DIN - YALE KEY



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	212x415x105mm	11 MOD.	14W	**632.4700-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

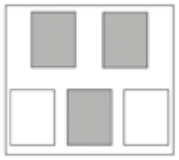
IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 >> BLOCK5 - 5 SOCKETS - 14 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	272x414x110mm	14 MOD.	15W	**632.5500-000**	1/2

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 + 50X60 >> BLOCK1 - 3 SOCKETS - 4 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	110x280x95mm	4 MOD.	8W	**632.1530-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.
50x60 mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 + 50X60 >> BLOCK3 - 4 SOCKETS - 6 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	136x440x105mm	6 MOD.	9W	**632.3520-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.
50x60 mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 50X60 >> BLOCK3 - 6 SOCKETS - 6 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	136x440x105mm	6 MOD.	9W	**632.3530-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
50x60 mm cut-outs.

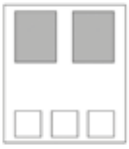
IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 + 50X60 >> BLOCK4 - 5 SOCKETS - 11 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	212x415x105mm	11 MOD.	14W	**632.4520-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.
50x60 mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

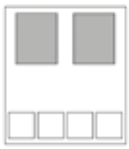
IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 + 50X60 >> BLOCK4 - 6 SOCKETS - 11 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	212x415x105mm	11 MOD.	14W	**632.4530-000**	1/4

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.
50x60 mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

IP: IP66

EMPTY ENCLOSURES - WITH CUTOUTS 70X87 + 50X60 >> BLOCK5 - 7 SOCKETS - 14 DIN



Installation	Dimensions	N.° modules	Power	Code	
SURFACE MOUNTING	272x414x110mm	14 MOD.	15W	**632.5520-000**	1/2

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
70x87mm cut-outs.
50x60 mm cut-outs.



With cut-outs to contain 16A (70x87mm) or, with suitable adaption, 32A socket (84x106mm) and DOMOPLUS Series in the grey coloured positions.

IP: IP66

ACCESSORIES >> BLANK PLATES



Description	Flange	IP	Colour	Code	
BLANK PLATE FOR PANEL CUT OUTS	70X87MM	IP66		**654.0100**	25

With gasket.



Description	Flange	IP	Colour	Code	
BLANK PLATE FOR PANEL CUT OUTS	50X60MM	IP66		**654.0105**	25

With gasket.

ACCESSORIES >> BLANK PLATES - TOP22



Description	Suitable for	Flange	IP	Colour	Code	
FLANGE ADAPTER	1 x TOP22	70X87MM	IP66		**654.0101Y**	25

With gasket.
For components TOP22 Series (ø22mm).



Description	Suitable for	Flange	IP	Colour	Code	
FLANGE ADAPTER	1 x TOP22	70X87MM	IP66		**654.0101**	25

With gasket.
For components TOP22 Series (ø22mm).



Description	Suitable for	Flange	IP	Colour	Code	
FLANGE ADAPTER	2 x TOP22	70X87MM	IP66		**654.0102**	25

With gasket.
For components TOP22 Series (ø22mm).

ACCESSORIES >> BLANK PLATE FOR DIN MODULES



Description	Notes	N.° modules	Colour	Code	
BLANK PLATE FOR DIN MODULES	9x45mm	1/2 MOD.		**654.0420**	25/400
	18x45mm	1 MOD.		**654.0410**	25/250

When put between the modular devices these plates help to dissipate heat.
To be fixed on DIN rail.



Description	Notes	N.° modules	Colour	Code	
BLANK PLATE FOR DIN MODULES	73x49mm	4 MOD.		**654.0400**	25/250

When put between the modular devices these plates help to dissipate heat.

ACCESSORIES >> TERMINAL BLOCKS WITHOUT INSULATED BASE - IP00



Description	Suitable for	IP	Code	
TERMINAL BLOCK	DOMINO IP40 MBOX2 MBOX3 BLOCK	IP00	**654.0349**	10/100

Terminals: 1x (5x10mm² and 5x16mm²).
Earth terminal blocks.

ACCESSORIES >> TRANSFORMERS



Description	Dimensions	Notes	Code	
SAFETY TOROIDAL TRANSFORMER	ø170xø39xh38mm L=270mm	300VA	**654.0207**	1
	ø170xø45xh25mm L=270mm	150VA	**654.0205**	1

Cables: black 220V~, red 24V~.
Safety Extra Low Voltage (SELV).
F class.

ACCESSORIES >> SUPPORT KIT



Description	Suitable for	Code	
SUPPORT	BLOCK4	**654.0600**	2



Description	Code	
SUPPORT WITH ROOF FOR BLOCK 4 DISTRIBUTION ASSEMBLIES	**654.0620**	1



ENERBOX Series

ENERBOX is a range of empty enclosures for distribution assemblies made of shockproof and self-extinguishing thermoplastic material, ideal for the supply of small and medium-sized equipments in the industrial and tertiary sector

Available in two sizes, 6 or 11 DIN, with blind panel or with cutouts for the installation of industrial sockets up to 63A and waterproof domesic standard soket outlets. On the sides of the enclosures can be installed up to a maximum of 4 additional compact domestic standard socket outlets.

technical sheet **p. 850**

Technical information

Main characteristics



For the installation of DOMO Series sockets ensuring double insulation:



01 Upper wall with knockouts

02 Blank panel or with cut-outs to install:
- OPTIMA Series industrial sockets up to 63A
- IP54 DOMO Series / IP66 DOMOPLUS Series domestic sockets

03 Blank bottom side

04 Side cut-outs or knockouts for the installation of up to 4 DOMO Series domestic standard IP54 sockets (50x60 flange).

05 Window closure with galvanised steel screw

06 Rapid lead captive stainless steel screws

Compatibily



Flush mounting industrial socket outlets



Flush mounting domestic socket outlets

EMPTY ENCLOSURES - BLANK PANEL >> ENCLOSURES 6 DIN



Installation	Dimensions	Type	Notes	N.° modules	Power	Code	
SURFACE MOUNTING	145X285x107mm	PLAIN	4 DOMO	6 MOD.	9W	**633.1010**	1/12

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Side knockouts (DOMO 50x60mm): 4 closed.

IP: IP55

EMPTY ENCLOSURES - BLANK PANEL >> ENCLOSURES 11 DIN



Installation	Dimensions	Type	Notes	N.° modules	Power	Code	
SURFACE MOUNTING	235X285x107mm	PLAIN	4 DOMO	11 MOD.	15W	**633.2020**	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Side knockouts (DOMO 50x60mm): 4 closed.

IP: IP55

EMPTY ENCLOSURES
Distribution assemblies

EMPTY ENCLOSURES - 70X87 >> ENCLOSURES 6 DIN



Installation	Dimensions	Notes	N.° modules	Power	Code	
SURFACE MOUNTING	145X285x107mm	4 DOMO + 1x16-32A	6 MOD.	9W	**633.1013**	1/12
	145X285x107mm	4 DOMO + 1x63A	6 MOD.	9W	**633.1014**	1/12

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Side knockouts (DOMO 50x60mm): 4 closed.

IP: IP55

EMPTY ENCLOSURES - 70X87 >> ENCLOSURES 11 DIN



Installation	Dimensions	Notes	N.° modules	Power	Code	
SURFACE MOUNTING	235X285x107mm	4 DOMO + 1x16-32A + 1x63A	11 MOD.	15W	**633.2026**	1/6
	235X285x107mm	4 DOMO + 2x16-32A	11 MOD.	15W	**633.2024**	1/6
	235X285x107mm	4 DOMO + 2x63A	11 MOD.	15W	**633.2025**	1/6
	235X285x107mm	6 DOMO + 1x16-32A + 1x32A	11 MOD.	15W	**633.2045**	1/6
	235X285x107mm	6 DOMO + 2x16-32A	11 MOD.	15W	**633.2044**	1/6
	235X285x107mm	8 DOMO + 2x(75x75mm)	11 MOD.	15W	**633.2046**	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Side knockouts (DOMO 50x60mm): 4 closed.

IP: IP55

EMPTY ENCLOSURES - 70X87 + 50X60 >> ENCLOSURES 6 DIN



Installation	Dimensions	Notes	N.° modules	Power	Code	
SURFACE MOUNTING	145X285x107mm	4 DOMO + 1x16-32A	6 MOD.	9W	**633.1011**	1/12
	145X285x107mm	4 DOMO + 1x63A	6 MOD.	9W	**633.1012**	1/12

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Side knockouts (DOMO 50x60mm): 2 open - 2 closed.

IP: IP55

EMPTY ENCLOSURES - 70X87 + 50X60 >> ENCLOSURES 11 DIN



Installation	Dimensions	Notes	N.° modules	Power	Code	
SURFACE MOUNTING	235X285x107mm	4 DOMO + 1x16-32A + 1x63A	11 MOD.	15W	**633.2023**	1/6
	235X285x107mm	4 DOMO + 2x16-32A	11 MOD.	15W	**633.2021**	1/6
	235X285x107mm	4 DOMO + 2x63A	11 MOD.	15W	**633.2022**	1/6

Power dissipation calculated in conformity with IEC EN 62208 and IEC EN 60670-24 standards.
Side knockouts (DOMO 50x60mm): 2 open - 2 closed.

IP: IP55



ADAPTO Series

ADAPTO is a range of empty enclosures for extremely compact distribution assemblies for suspending, pedestal mounting or mobile installations.

Available with or without protections compartment, can be mounted with up to a maximum of 6 industrial socket outlets up to 32A or waterproof domestic socket outlets in the main international standards.

EMPTY ENCLOSURES >> PORTABLE OR SUSPENDED



Installation	Dimensions	Notes	Code	
SUSPENDED	100x170x181mm	3x(75x75mm)+2x(50x60mm)	**603.3005-000**	1/10

Zinc-plated steel carrying handle.
Equipped with PG21 cable gland, cable clamp and terminal block.



Installation	Dimensions	Notes	Code	
PORTABLE	160x120x80mm	1x(70x87mm) - 2x(50x60mm)	**623.1000-000**	1/10

IP54 when assembled together with the relevant component.



Installation	Dimensions	Notes	Code	
PORTABLE	200x150x80mm	1x(84x106mm) - 2x(50x60mm)	**623.2000-000**	1/10

IP54 when assembled together with the relevant component.



Installation	Dimensions	Notes	Code	
SUSPENDED	136x162x224mm	4x(70x87mm/84x106mm)	**623.4500-000**	1/4

Zinc-plated steel carrying handle.
Equipped with PG21 cable gland, cable clamp and terminal block.
IP66 when coupled with the relevant component.



Installation	Dimensions	Notes	Code	
SUSPENDED	136x227x224mm	3x(70x87mm/84x106mm) - 6 DIN	**623.3500-000**	1/4

Zinc-plated steel carrying handle.
Equipped with PG21 cable gland, cable clamp and terminal block.
IP66 when coupled with the relevant component.
6 DIN module window.

EMPTY ENCLOSURES >> ELEVATED INSTALLATION



Installation	Dimensions	Notes	Code	
SURFACE MOUNTING	160x120x80mm	1x(70x87mm) - 2x(50x60mm)	**625.1000-000**	1/10

IP54 when assembled together with the relevant component.



Installation	Dimensions	Notes	Code	
SURFACE MOUNTING	200x150x80mm	1x(84x106mm) - 2x(50x60mm)	**625.2000-000**	1/10

IP54 when assembled together with the relevant component.



Installation	Dimensions	Notes	Code	
ON TURRET	136x162x150mm	4x(70x87mm/84x106mm)	**625.4500-000**	1/4

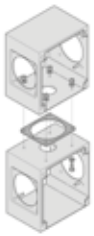
Equipped with PG21 cable gland, cable clamp and terminal block.
IP66 when coupled with the relevant component.
Tubular stand to be ordered separately.



Installation	Dimensions	Notes	Code	
ON TURRET	136x227x150mm	3x(70x87mm/84x106mm) - 6 DIN	**625.3500-000**	1/4

Equipped with PG21 cable gland, cable clamp and terminal block.
IP66 when coupled with the relevant component.
6 DIN module window.
Tubular stand to be ordered separately.

ACCESSORIES >> ADAPTORS COUPLING KIT



	Code	
	692.4342	5

3-way and 4-way adaptors can be coupled together as shown in the drawing.
The kit includes all the screws, nuts, washers and seals required to couple together 3-way and 4-way adaptors.

ACCESSORIES >> TUBULAR STAND



	Code	
	692.4340	1

ACCESSORIES >> MOUNTING BRACKET FOR COMPRESSED AIR



	Code	
	654.0050	1/10

ACCESSORIES >> BLANK PLATES



Flange	IP	Colour	Code	
70X87MM	IP66		**654.0100**	25
75X75MM	IP66		**654.0104**	

With gasket.

ACCESSORIES >> BLANK PLATES - TOP22



Suitable for	Flange	IP	Colour	Code	
1 x TOP22	70X87MM	IP66		**654.0101Y**	25

With gasket.
For components TOP22 Series (ø22mm).



Suitable for	Flange	IP	Colour	Code	
1 x TOP22	70X87MM	IP66		**654.0101**	25

With gasket.
For components TOP22 Series (ø22mm).



Suitable for	Flange	IP	Colour	Code	
2 x TOP22	70X87MM	IP66		**654.0102**	25

With gasket.
For components TOP22 Series (ø22mm).


SCAME

DISTRIBUTION PEDESTAL TERMINALS

KIOSK SERIES

p. 490

Empty enclosures for pedestal distribution of energy in public areas



EMPTY ENCLOSURES

Distribution pedestal terminals



KIOSK Series

KIOSK is a range of empty enclosures in shockproof and self-extinguishing technopolymer with high resistance to atmospheric and chemical agents.

Available in different sizes and configurations that can be equipped with industrial or domestic socket outlets and, on request, with water dispensers.

The red color versions, suitable for fire protection equipments, complete the range.

The metal versions are instead suitable to host BLOCK or DOMINO distribution assemblies for pedestal installation.

technical sheet **p. 854**

EMPTY ENCLOSURES - METAL >> TYPE BLOCK4



Description	Dimensions	Type	Code	
EMPTY PILLAR BLOCK4	400x1250x220mm	SINGLE-FACE	**659.BA5040-00**	1

Pillar only, enclosures to be purchased separately.

EMPTY ENCLOSURES - METAL >> TYPE DOMINO



Description	IP	Dimensions	Type	Code	
EMPTY PILLAR DOMINO METAL	IP66	487x1235x375mm	SINGLE-FACE	**659.DA5041-00**	1
	IP66	487x1235x375mm	DOUBLE-FACE	**659.DA5081-00**	1
EMPTY PILLAR DOMINO S.STEEL	IP66	487x1235x375mm	SINGLE-FACE	**659.DB5041-00**	1
	IP66	487x1235x375mm	DOUBLE-FACE	**659.DB5081-00**	1

Pillar only, enclosures to be purchased separately.

EMPTY ENCLOSURES - PLAST >> TYPE SMART-C



Description	IP	Dimensions	Code	
EMPTY PILLAR SMART-C BASE	IP56	580x1400x450mm	**659.SCBASE**	1
EMPTY PILLAR SMART-C	IP56	580x1400x450mm	**659.SC5041-00** [1) 2)]	1

[1)] *Complete with lights kit.*
[2)] *Structure not pre-drilled for the sockets.*

EMPTY ENCLOSURES - PLAST >> TYPE SMART-K



Description	IP	Dimensions	Code	
EMPTY PILLAR SMART-K	IP56	340x810x260mm	**659.SK5041-00** [1) 2)]	1
EMPTY PILLAR SMART-K BASE	IP56	340x810x260mm	**659.SKBASE**	1

[1)] *Complete with lights kit.*
[2)] *Structure not pre-drilled for the sockets.*

EMPTY ENCLOSURES - PLAST >> TYPE SMART-X



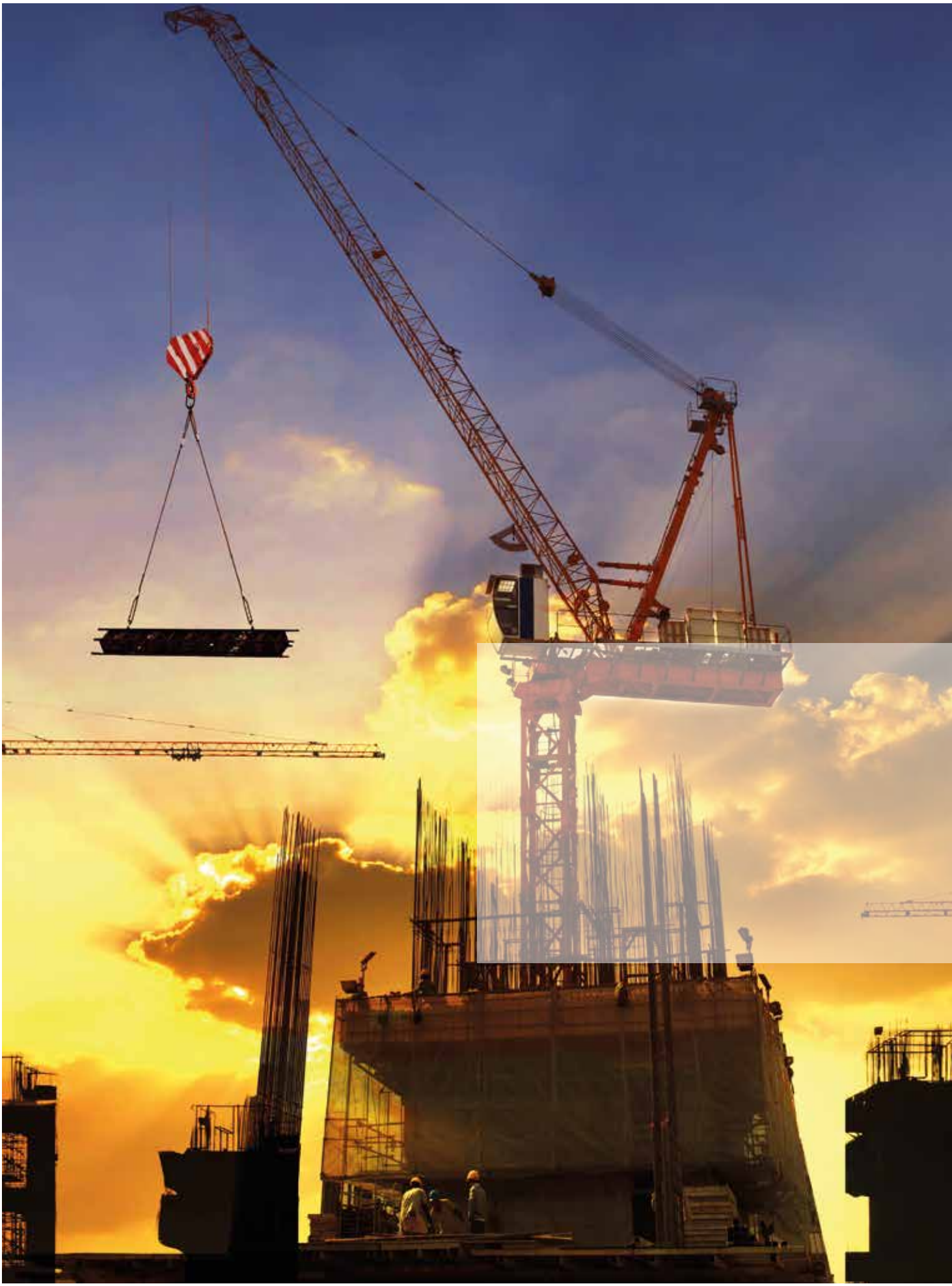
Description	IP	Dimensions	Code	
EMPTY PILLAR SMART-X NO LIGHT	IP56	368x980x318mm	**659.SX5040-00**	1

Structure not pre-drilled for the sockets.
Without lights kit.

ACCESSORIES



Description	Code	
KEY KIT	**659.KEY**	10









DISTRIBUTION ASSEMBLIES





PRE-ASSEMBLED DISTRIBUTION ASSEMBLIES

MBOX SERIES
p. 498

Distribution assemblies for construction site



Applications: Construction site

MEGA SERIES
p. 519

Distribution assemblies on metallic structure



Applications: Shipyard Major works yard Commercial port Container terminal

IMPACT SERIES
p. 520

Shockproof distribution assemblies



Applications: Construction site Public entertainment

DOMINO SERIES
p. 524

Modular distribution assemblies



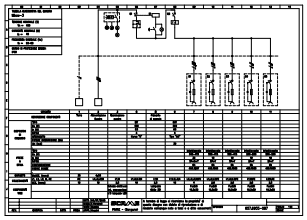
BLOCK SERIES
p. 530

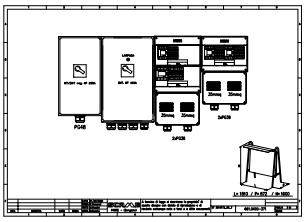
Compact distribution assemblies



CUSTOMIZED SOLUTIONS

Scame offers a wide selection of preconfigured distribution boards, obtained from the installation of the various series of industrial and domestic flush-mounted socket outlets on the homologous versions of empty enclosures, however also in the catalog.
To this already rich selection is added the possibility of having your own distribution board or combination unit in a dedicated configuration accordin to specific needs.
Thanks to a rapid analysis and estimation service and a flexible production system, Scame is in fact able to quickly design, implement and supply customized and state-of-the-art solutions, accompanied by the relevant certificate of conformity.
For any customization request, please contact the Technical Information Center by sending an email to **export@scame.com**.







MBOX Series



MEGA Series



IMPACT Series



KIOSK Series



COMBIWIZARD

COMBIWIZARD is Scame's online configurator which, in a simple and intuitive way, allows you to compose your own battery of interlocked sockets or distribution board.
Starting from the series of empty enclosures or modular bases, in a few simple guided steps, it is possible to select the compatible sockets and devices to obtain the desired configuration valued at the list prices of the individual components.
At the end of the process, by manually adding the switchg

01 Choose the series



02 Choose your enclosure configuration



03 Select the flange to get the compatible sockets



04 Obtain the configuration valued at the current list prices and complete it with the other information



05 Print your selection to get the offer ready to be sent to your customer



Click here to access COMBIWIZARD:



MBOX Series

MBOX is a range of distribution assemblies for construction site made of shock-resistant thermoplastic material.

The series includes three different versions: MBOX2, MBOX3 and MBOX5 with a maximum power of 90kW (160A) and IP66 protection rating, equipable with industrial socket outlets, with watertight domestic socket outlets, or with interlocked socket outlets up to 63A.

The extreme compactness of the enclosures and the retractable handle make the panels easily transportable. The lighting by means of a twilight sensor protects the safety of the operator even in conditions of poor visibility. Each panel is supplied with declaration of conformity and wiring sheme.

For any customization requirement is active a precise analysis and estimation service.

technical sheet **p. 858**

Technical information

Main characteristics MBOX2



01 Compartment for sockets and protections that can be lit by means of a twilight sensor (optional in MBOX2)

02 Equipable with:
- 4 x 16A-32A industrial interlocked sockets OMNIA Series / domestic interlocked sockets OMNIAPLUS Series
or
- 6 x 16A-32A industrial socket OPTIMA Series / IP66 domestic sockets DOMOPLUS Series

03 Enclosure in shockproof and self-extinguishing material, resistant to atmospheric and chemical agents.

04 Possibility of emergency button

05 16 DIN (8x2) consumer unit with housing for fuse test device

06 Protections compartment window closing by means of two latches and triangular central key (Yale on request)

07 Integrated tilting handle to facilitate handling of the panel

08 Power supply by terminal block or by cable with plug

Applications examples



Building construction site



Building construction site

Main characteristics MBOX3



01 Compartment for sockets and protections that can be lit by means of a twilight sensor

02 Equipable with:
- 6 x 16A-32A industrial interlocked sockets OMNIA Series (4+1 of 63A in the version without door) / domestic interlocked sockets OMNIAPLUS Series or
- 9 x 16A-32A industrial sockets OPTIMA Series / IP66 domestic sockets DOMOPLUS Series

03 Enclosure in shockproof and self-extinguishing material, resistant to atmospheric and chemical agents. Versions available with or without door of the socket compartment

04 Possibility of emergency button or disconnector as functional or emergency command

05 39 DIN (13x3) consumer unit with housing for fuse test device

06 Protections compartment window closing by means of two latches and triangular central key (yale on request)

07 Integrated tilting handle to facilitate handling of the panel

08 Power supply by terminal block or inlet

Main characteristics MBOX5



01 Compartment for sockets and protections that can be lit by means of a twilight sensor

02 Equipable with:
- 12 x 16A-32A industrial interlocked sockets OMNIA Series / domestic interlocked sockets OMNIAPLUS Series
or
- 4 x 16A-32A industrial interlocked sockets OMNIA Series / domestic interlocked sockets OMNIAPLUS Series + 4 x 16A-32A-63A industrial interlocked sockets ADVANCE2 Series

03 Enclosure in shockproof and self-extinguishing material, resistant to atmospheric and chemical agents

04 Possibility of emergency button or disconnector as functional or emergency command

05 52 DIN (13x4) consumer unit with housing for fuse test device

06 Protections compartment window closing by means of two latches and triangular central key (yale on request).

07 Integrated tilting handles to facilitate handling of the panel

08 Power supply by terminal block or inlet

Applications examples



Building construction site



Building construction site

TWILIGHT ILLUMINATION

The insertion of a LED connected to a photosensor, standard on the MBOX3 and MBOX5 models, on request for MBOX2, guarantees, as the external light intensity falls, the lighting of the compartments containing the sockets and the protection and control devices. This allows the product to be identified and used in poor lighting conditions: ideal for construction sites, MBOX is also perfect for campsites and parking areas.



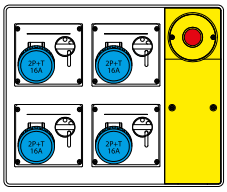






Pre-assembled distribution assemblies

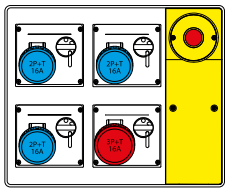
MBOX2 >> INTERLOCKED SOCKET OUTLETS WITHOUT FUSES



16A Sockets	32A Sockets	63A Sockets
2P+E		
4		

[1] Sockets protection		
MCB	4x 1P **16A**	

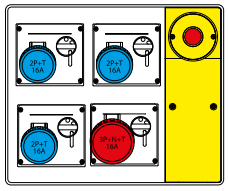
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 1P+E 16A RCCB 2P 25A 30mA	Terminal block	3kW	**656.7924-054**	**656.7024-054**
	2m cable and 2P+E 16A plug	3kW	**656.7824-054**	**656.7124-054**
MCB 1P+E 32A RCCB 2P 40A 30mA	Terminal block	6kW	**656.7924-113** [1]	**656.7024-113** [1]
	2m cable and 2P+E 32A plug	6kW	**656.7824-113** [1]	**656.7124-113** [1]



16A Sockets		32A Sockets	63A Sockets
2P+E	3P+E		
3	1		

Sockets protection		
MCB	3x 1P **16A**	1x 3P **16A**

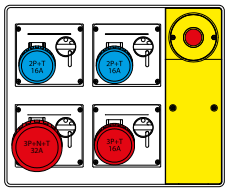
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7924-109**	**656.7024-109**
	2m cable and 3P+N+E 32A plug	18kW	**656.7824-109**	**656.7124-109**



16A Sockets		32A Sockets	63A Sockets
2P+E	3P+N+E		
3	1		

Sockets protection		
MCB	3x 1P **16A**	1x 3P **16A**

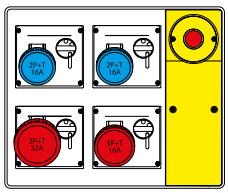
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	2m cable and 3P+N+E 32A plug	18kW	**656.7824-457**	



16A Sockets		32A Sockets		63A Sockets
2P+E	3P+E		3P+N+E	
2	1		1	

Sockets protection		
MCB	2x 1P **16A**	1x 3P **16A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7924-253**	**656.7024-253**
	2m cable and 3P+N+E 32A plug	18kW	**656.7824-253**	**656.7124-253**



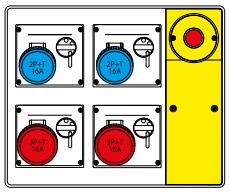
16A Sockets		32A Sockets		63A Sockets
2P+E	3P+E		3P+E	
2	1		1	

Sockets protection		
MCB	2x 1P **16A**	1x 3P **16A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7924-006**	**656.7024-006**
	2m cable and 3P+N+E 32A plug	18kW	**656.7824-006**	**656.7124-006**

EUROPEAN STANDARD EN 61439-4 **ASC** Assemblies for construction sites

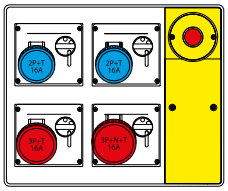
ASC distribution assemblies



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
2	2					

Sockets protection		
MCB	2x 1P **16A**	2x 3P **16A**

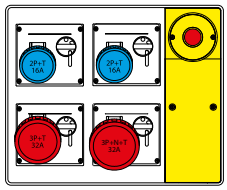
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7924-008**	**656.7024-008**
	2m cable and 3P+N+E 32A plug	18kW	**656.7824-008**	**656.7124-008**



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E				
2	1	1				

Sockets protection		
MCB	2x 1P **16A**	2x 3P **16A**

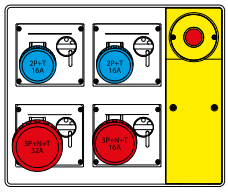
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7924-056**	**656.7024-056**
	2m cable and 3P+N+E 32A plug	18kW	**656.7824-056**	**656.7124-056**



16A Sockets			32A Sockets		63A Sockets	
2P+E			3P+E	3P+N+E		
2			1	1		

Sockets protection		
MCB	2x 1P **16A**	

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7924-611**	**656.7024-611**
	2m cable and 3P+N+E 32A plug	18kW	**656.7824-611**	**656.7124-611**



16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		
2		1		1		

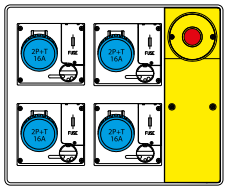
Sockets protection		
MCB	2x 1P **16A**	1x 3P **16A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7924-273**	**656.7024-273**
		18kW	**656.7824-273**	

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

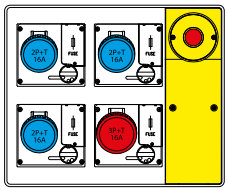
ASC distribution assemblies

MBOX2 >> INTERLOCKED SOCKET OUTLETS WITH FUSES



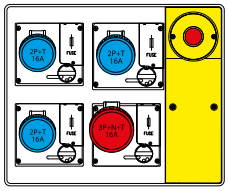
16A Sockets			32A Sockets		63A Sockets	
2P+E						
4						

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 1P+E 32A RCCB 2P 40A 30mA	Terminal block	6kW	**656.5924-113**	**656.5024-113**
	2m cable and 2P+E 32A plug	6kW	**656.5824-113**	**656.5124-113**



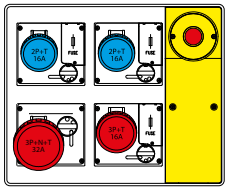
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
3	1					

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.5924-109**	**656.5024-109**
	2m cable and 3P+N+E 32A plug	18kW	**656.5824-109**	**656.5124-109**



16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E				
3		1				

Protections	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	2m cable and 3P+N+E 32A plug	18kW	**656.5824-457**	**656.5124-457**

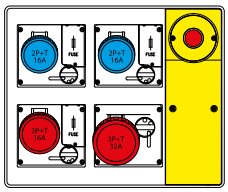


16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E			3P+N+E		
2	1			1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.5924-253**	**656.5024-253**
	2m cable and 3P+N+E 32A plug	18kW	**656.5824-253**	**656.5124-253**

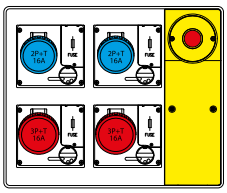
EUROPEAN STANDARD EN 61439-4 ASC Assemblies for construction sites

ASC distribution assemblies



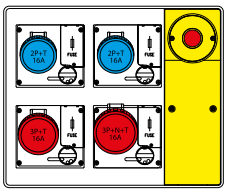
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E		3P+E			
2	1		1			

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kw	**656.5924-006**	**656.5024-006**
	2m cable and 3P+N+E 32A plug	18kW	**656.5824-006**	**656.5124-006**



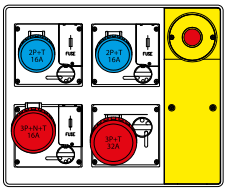
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
2	2					

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.5924-008**	**656.5024-008**
	2m cable and 3P+N+E 32A plug	18kW	**656.5824-008**	**656.5124-008**



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E				
2	1	1				

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.5924-056**	**656.5024-056**
	2m cable and 3P+N+E 32A plug	18kW		**656.5124-056**



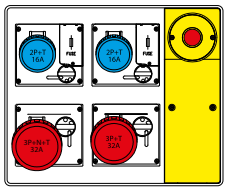
16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E	3P+E			
2		1	1			

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.5924-610**	**656.5024-610**
	2m cable and 3P+N+E 32A plug	18kW	**656.5824-610**	**656.5124-610**

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

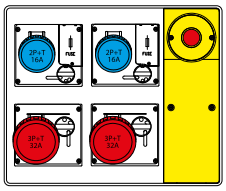
ASC distribution assemblies

MBOX2 >> INTERLOCKED SOCKET OUTLETS WITH FUSES



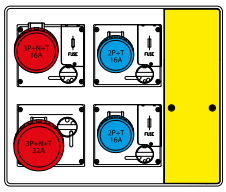
16A Sockets			32A Sockets		63A Sockets	
2P+E			3P+E	3P+N+E		
2			1	1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.5924-611**	**656.5024-611**
	2m cable and 3P+N+E 32A plug	18kW	**656.5824-611**	**656.5124-611**



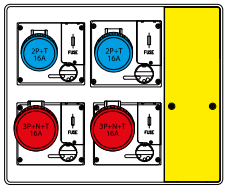
16A Sockets			32A Sockets		63A Sockets	
2P+E			3P+E			
2			2			

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.5924-612**	**656.5024-612**
	2m cable and 3P+N+E 32A plug	18kW	**656.5824-612**	**656.5124-612**



16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		
2		1		1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW		**656.5024-273**



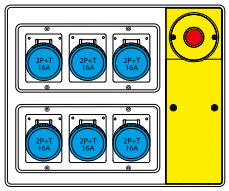
16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E				
2		2				

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	2m cable and 3P+N+E 32A plug	18kW		**656.5124-297**

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

ASC distribution assemblies

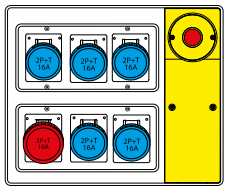
MBOX2 >> INDUSTRIAL SOCKET



16A Sockets		32A Sockets		63A Sockets	
2P+E					
6					

Sockets protection		
MCB	6x 1P **16A**	

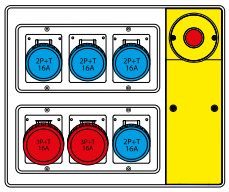
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 1P+E 16A RCCB 2P 25A 30mA	Terminal block	3kW	**656.7926-636**	**656.7026-636**
	2m cable and 2P+E 16A plug	3kW	**656.7826-636**	**656.7126-636**
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7926-639**	**656.7026-639**
	2m cable and 2P+E 16A plug	18kW	**656.7826-639**	**656.7126-639**



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
5	1					

Sockets protection		
MCB	3x 1P **16A**	1x 3P **16A**

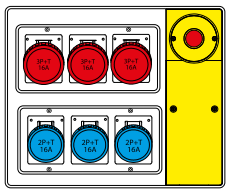
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7926-642**	**656.7026-642**
	2m cable and 3P+N+E 32A plug	18kW	**656.7826-642**	**656.7126-642**



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
4	2					

Sockets protection		
MCB	3x 1P **16A**	1x 3P **16A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 16A RCCB 4P 25A 30mA	Terminal block	9kW	**656.7926-637**	**656.7026-637**
	2m cable and 3P+N+E 16A plug	9kW	**656.7826-637**	**656.7126-637**
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7926-640**	**656.7026-640**
	2m cable and 3P+N+E 16A plug	18kW	**656.7826-640**	**656.7126-640**



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
3	3					

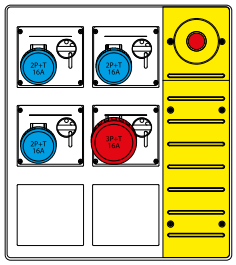
Sockets protection		
MCB	3x 1P **16A**	1x 3P **16A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 16A RCCB 4P 25A 30mA	Terminal block	9kW	**656.7926-638**	**656.7026-638**
	2m cable and 3P+N+E 16A plug	9kW	**656.7826-638**	**656.7126-638**
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**656.7926-641**	**656.7026-641**
	2m cable and 3P+N+E 16A plug	18kW	**656.7826-641**	**656.7126-641**

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

ASC distribution assemblies

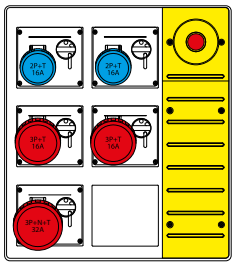
MBOX3 >> INTERLOCKED SOCKET OUTLETS WITHOUT FUSES



16A Sockets		32A Sockets		63A Sockets	
2P+E	3P+E				
3	1				

Sockets protection		
MCB	3x 1P **16A**	1x 3P **16A**

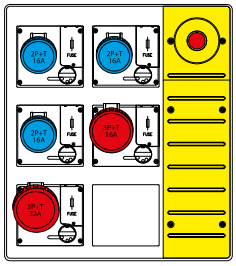
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**657.8934-109**	**657.8034-109**
	Appliance inlet 3P+N+E 32A	18kW	**657.8834-109**	**657.8134-109**



16A Sockets		32A Sockets		63A Sockets	
2P+E	3P+E		3P+N+E		
2	2		1		

Sockets protection		
MCB	2x 1P **16A**	1x 3P **16A**

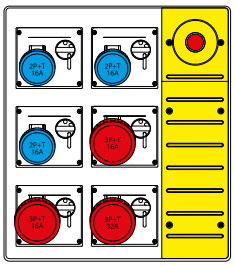
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.8935-087**	**657.8035-087**
	Appliance inlet 3P+N+E 63A	35kW	**657.8835-087**	**657.8135-087**



16A Sockets		32A Sockets		63A Sockets	
2P+E	3P+E	3P+E			
3	1	1			

Sockets protection		
MCB	1x 3P **16A**	1x 3P **32A**

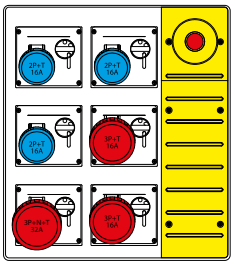
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.8935-013**	
	Appliance inlet 3P+N+E 32A	35kW	**657.8835-013**	



16A Sockets		32A Sockets		63A Sockets	
2P+E	3P+E	3P+E			
3	2	1			

Sockets protection		
MCB	3x 1P **16A**	2x 3P **16A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.8936-022**	**657.8036-022**
	Appliance inlet 3P+N+E 63A	35kW	**657.8836-022**	**657.8136-022**



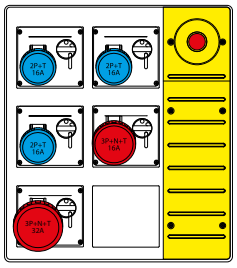
16A Sockets		32A Sockets		63A Sockets	
2P+E	3P+E		3P+N+E		
3	2		1		

Sockets protection		
MCB		1x 3P **16A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**657.8936-069**	**657.8036-069**
	Appliance inlet 3P+N+E 32A	18kW	**657.8836-069**	**657.8136-069**

EUROPEAN STANDARD EN 61439-4 **ASC** Assemblies for construction sites

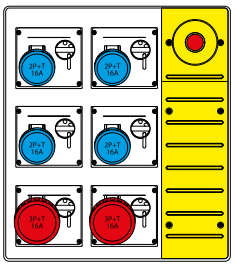
ASC distribution assemblies



16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		
3		1		1		

Sockets protection			
MCB	3x 1P **16A**	1x 3P **16A**	1x 3P **32A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.8935-883**	

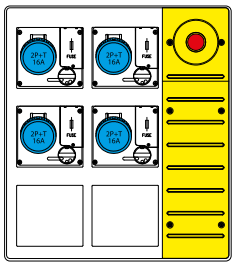


16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
4	2					

Sockets protection		
MCB	2x 1P **16A**	1x 3P **16A**

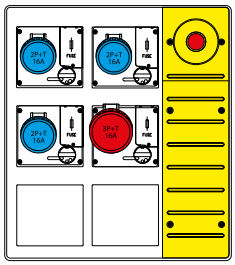
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**657.8936-067**	**657.8036-067**
	Appliance inlet 3P+N+E 32A	18kW	**657.8836-067**	**657.8136-067**

MBOX3 >> INTERLOCKED SOCKET OUTLETS WITH FUSES



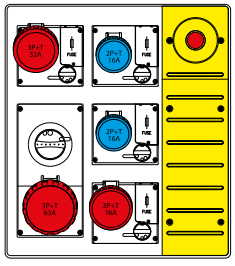
16A Sockets			32A Sockets		63A Sockets	
2P+E						
4						

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 1P+E 32A RCCB 2P 40A 30mA	Terminal block	6kW	**657.6934-113**	**657.6034-113**
	Appliance inlet 2P+E 32A	6kW	**657.6834-113**	**657.6134-113**



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
3	1					

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**657.6934-109**	**657.6034-109**
	Appliance inlet 3P+N+E 32A	18kW	**657.6834-109**	**657.6134-109**



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E		3P+E		3P+E	
2	1		1		1	

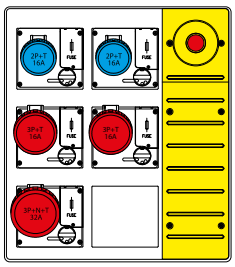
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.5935-017**	**657.5035-017**
	Appliance inlet 3P+N+E 63A	35kW	**657.5835-017**	**657.5135-017**

Without door

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

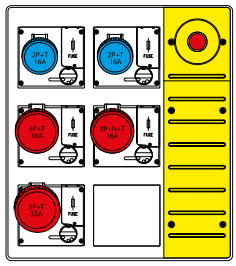
ASC distribution assemblies

MBOX3 >> INTERLOCKED SOCKET OUTLETS WITH FUSES



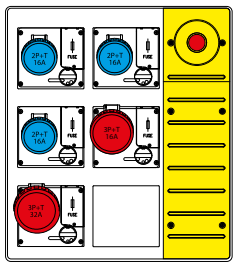
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E			3P+N+E		
2	2			1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6935-087**	**657.6035-087**
	Appliance inlet 3P+N+E 63A	35kW	**657.6835-087**	**657.6135-087**



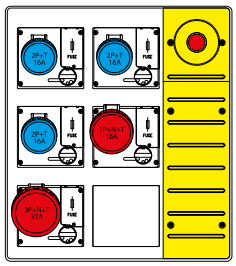
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E	3P+E			
2	1	1	1			

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6935-015**	**657.6035-015**
	Appliance inlet 3P+N+E 63A	35kW	**657.6835-015**	**657.6135-015**



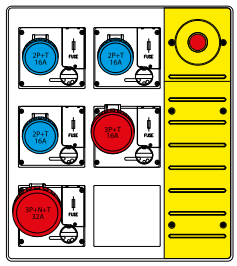
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E		3P+E			
3	1		1			

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6935-013**	**657.6035-013**
	Appliance inlet 3P+N+E 63A	35kW	**657.6835-013**	**657.6135-013**



16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		
3		1		1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6935-075**	**657.6035-075**
	Appliance inlet 3P+N+E 63A	35kW		**657.6135-075**

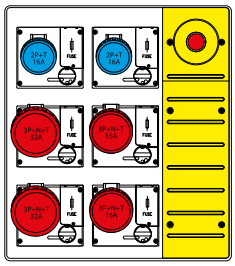


16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E			3P+N+E		
3	1			1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6935-213**	**657.6035-213**
	Appliance inlet 3P+N+E 63A	35kW	**657.6835-213**	**657.6135-213**

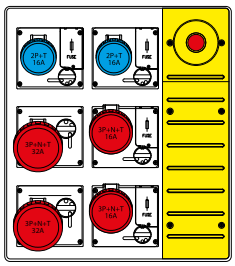
EUROPEAN STANDARD EN 61439-4 **ASC** Assemblies for construction sites

ASC distribution assemblies



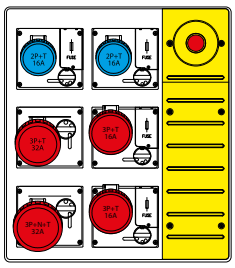
16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		
2		2		2		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6936-027**	**657.6036-027**
	Appliance inlet 3P+N+E 63A	35kW	**657.6836-027**	**657.6136-027**



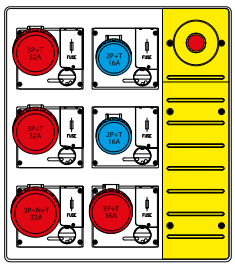
16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		
2		2		2		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**657.6936-042**	
	Appliance inlet 3P+N+E 32A	18kW	**657.6836-042**	**657.6136-042**



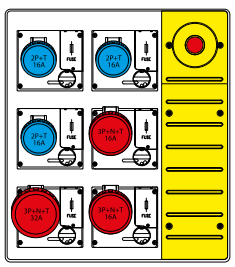
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E		3P+E	3P+N+E		
2	2		1	1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**657.6936-045**	**657.6036-045**
	Appliance inlet 3P+N+E 32A	18kW	**657.6836-045**	**657.6136-045**



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E		3P+E	3P+N+E		
2	1		2	1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6936-048**	**657.6036-048**
	Appliance inlet 3P+N+E 32A	35kW	**657.6836-048**	**657.6136-048**



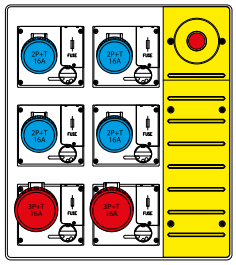
16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		
3		2		1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6936-101**	**657.6036-101**
	Appliance inlet 3P+N+E 63A	35kW		**657.6136-101**

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

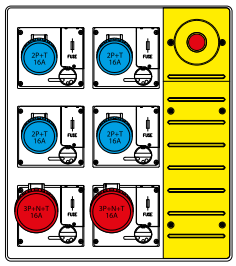
ASC distribution assemblies

MBOX3 >> INTERLOCKED SOCKET OUTLETS WITH FUSES



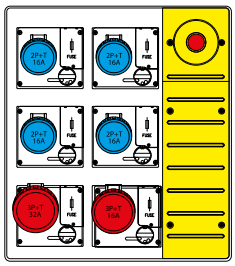
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
4	2					

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**657.6936-067**	**657.6036-067**
	Appliance inlet 3P+N+E 32A	18kW	**657.6836-067**	**657.6136-067**



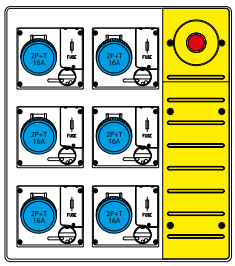
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E					
4	2					

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 32A RCCB 4P 40A 30mA	Terminal block	18kW	**657.6936-133**	**657.6036-133**
	Appliance inlet 3P+N+E 32A	18kW	**657.6836-133**	**657.6136-133**



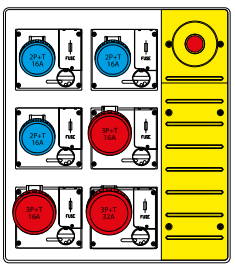
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E		3P+E			
4	1		1			

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6936-025**	**657.6036-025**



16A Sockets			32A Sockets		63A Sockets	
2P+E						
6						

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 1P+E 32A RCCB 2P 40A 30mA	Terminal block	6kW	**657.6936-057**	**657.6036-057**
	Appliance inlet 2P+E 32A	6kW	**657.6836-057**	**657.6136-057**



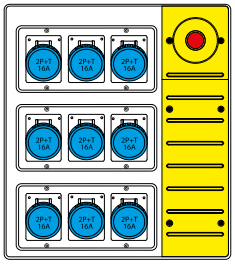
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E		3P+E			
3	2		1			

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Terminal block	35kW	**657.6936-022**	**657.6036-022**
	Appliance inlet 3P+N+E 63A	35kW	**657.6836-022**	**657.6136-022**

EUROPEAN STANDARD EN 61439-4 **ASC** Assemblies for construction sites

ASC distribution assemblies

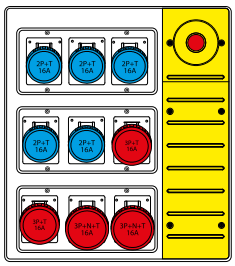
MBOX3 >> INDUSTRIAL SOCKET OUTLETS



16A Sockets	32A Sockets	63A Sockets
2P+E		
9		

Sockets protection	
MCB	9x 1P+E **16A**

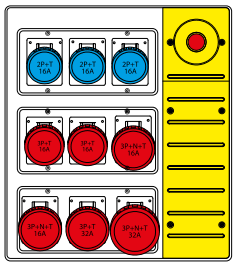
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Appliance inlet 3P+N+E 63A	35kW	**657.8839-825**	



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E				
5	2	2				

Sockets protection			
MCB	5x 1P+E **16A**	1x 3P **16A**	1x 4P **16A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Appliance inlet 3P+N+E 63A	35kW	**657.8839-826**	



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E	3P+E	3P+N+E		
3	2	2	1	1		

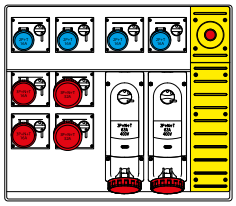
Sockets protection					
MCB	3x 1P+E **16A**	1x 3P **16A**	1x 4P **16A**	1x 3P **32A**	1x 4P **32A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A RCCB 4P 63A 30mA	Appliance inlet 3P+N+E 63A	35kW	**657.8839-827**	

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

ASC distribution assemblies

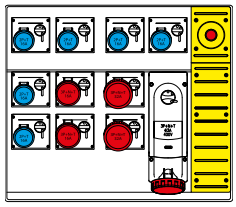
MBOX5 >> INTERLOCKED SOCKET OUTLETS WITHOUT FUSES



16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		3P+N+E
4		2		2		2

Sockets protection				
RCCB				
MCB	4x 1P **16A**	2x 3P **16A**	2x 3P **32A**	2x 3P **63A**

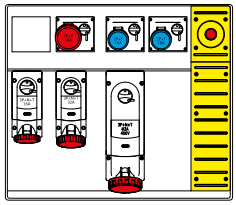
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB-RCCB 4P 100A 30mA	Terminal block	55kW	**658.8950-702**	**658.8050-702**
	Appliance inlet 3P+N+E 125A	55kW	**658.8850-702**	**658.8150-702**



16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		3P+N+E
6		2		2		1

Sockets protection				
RCCB				
MCB	6x 1P **16A**	2x 3P **16A**	2x 3P **32A**	1x 3P **63A**

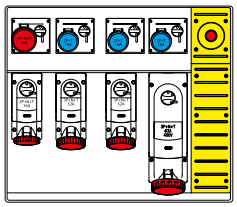
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB-RCCB 4P 100A 30mA	Terminal block	55kW	**658.8950-705**	**658.8050-705**
	Appliance inlet 3P+N+E 63A	55kW	**658.8850-705**	



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E		3P+N+E		3P+N+E
2	1	1		1		1

Sockets protection				
RCCB				
MCB	2x 1P **16A**	2x 3P **16A**	1x 3P **32A**	1x 3P **63A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB-RCCB 4P 100A 30mA	Terminal block	55kW	**658.8956-138**	**658.8056-138**
	Appliance inlet 3P+N+E 125A	55kW	**658.8856-138**	**658.8156-138**



16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		3P+N+E
3		2		2		1

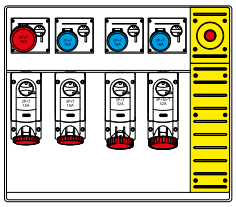
Sockets protection				
RCCB	1x **63A** 4P 30mA		1x **63A** 4P 30mA	1x **63A** 4P 30mA
MCB	3x 1P **16A**	2x 3P **16A**	2x 3P **32A**	1x 3P **63A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 100A[1)]	Terminal block	55kW	**658.8958-088**	**658.8058-088**
	Appliance inlet 3P+N+E 125A	55kW		**658.8158-088**

[1)] *Sockets RCCB protection.*

EUROPEAN STANDARD EN 61439-4 **ASC** Assemblies for construction sites

ASC distribution assemblies

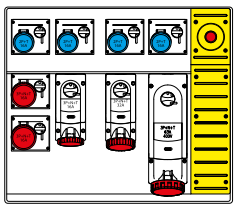


16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E		3P+E	3P+N+E		
3	3		1	1		

Sockets protection			
RCCB	1x **63A** 4P 30mA		1x **63A** 4P 30mA
MCB	3x 1P **16A**	3x 3P **16A**	2x 3P **32A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A[1)]	Terminal block	35kW	**658.8958-114**	**658.8058-114**
	Appliance inlet 3P+N+E 63A	35kW	**658.8858-114**	**658.8158-114**

[1)] *Sockets RCCB protection.*

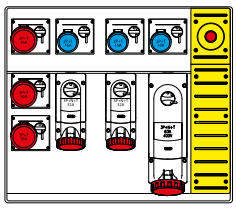


16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		3P+N+E
4		3		1		1

Sockets protection				
RCCB	1x **63A** 4P 30mA			1x **63A** 4P 30mA
MCB	4x 1P **16A**	3x 3P **16A**	1x 3P **32A**	1x 3P **63A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A[1)]	Terminal block	35kW	**658.8959-043**	**658.8059-043**
	Appliance inlet 3P+N+E 63A	35kW		**658.8159-043**

[1)] *Sockets RCCB protection.*



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E			3P+N+E		3P+N+E
3	3			2		1

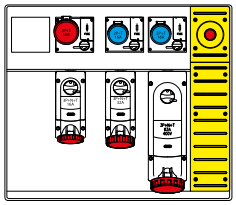
Sockets protection				
RCCB				
MCB	3x 1P **16A**	3x 3P **16A**	2x 3P **32A**	1x 3P **63A**

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB-RCCB 4P 100A 30mA	Terminal block	55kW	**658.8959-229**	**658.8059-229**
	Appliance inlet 3P+N+E 125A	55kW	**658.8859-229**	**658.8159-229**

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

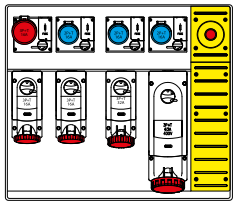
ASC distribution assemblies

MBOX5 - INTERLOCKED SOCKET OUTLETS WITH FUSES



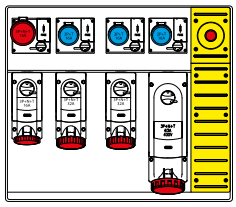
16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E		3P+N+E		3P+N+E
2	1	1		1		1

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB-RCCB 4P 100A 30mA	Terminal block	55kW	**658.6956-138**	**658.6056-138**
	Appliance inlet 3P+N+E 125A	55kW	**658.6856-138**	**658.6156-138**



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E		3P+E		3P+E	
4	2		1		1	

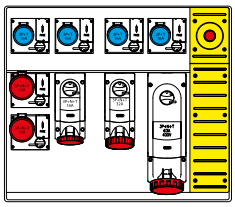
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB-RCCB 4P 100A 30mA	Terminal block	55kW	**658.6958-034**	**658.6058-034**
	Appliance inlet 3P+N+E 125A	55kW		**658.6158-034**



16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		3P+N+E
3		2		2		1

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 100A[1)]	Terminal block	55kW	**658.6958-088**	**658.6058-088**
	Appliance inlet 3P+N+E 125A	55kW	**658.6858-088**	

[1)] *Sockets RCCB protection.*



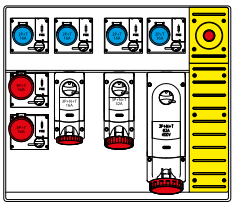
16A Sockets			32A Sockets		63A Sockets	
2P+E		3P+N+E		3P+N+E		3P+N+E
4		3		1		1

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A[1)]	Terminal block	35kW	**658.6959-043**	**658.6059-043**
	Appliance inlet 3P+N+E 63A	35kW	**658.6859-043**	**658.6159-043**
MCB 4P 100A[1)]	Terminal block	55kW	**658.6959-052**	**658.6059-052**
	Appliance inlet 3P+N+E 125A	55kW	**658.6859-052**	

[1)] *Sockets RCCB protection.*

EUROPEAN STANDARD EN 61439-4 ASC Assemblies for construction sites

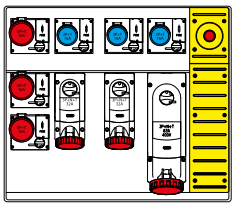
ASC distribution assemblies



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E		3P+N+E		3P+N+E
4	2	1		1		1

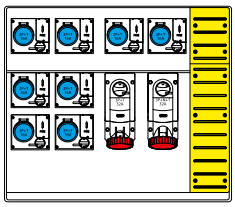
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 100A[1)]	Terminal block	55kW	**658.6959-160**	**658.6059-160**
	Appliance inlet 3P+N+E 125A	55kW	**658.6859-160**	**658.6159-160**

[1)] *Sockets RCCB protection.*



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E			3P+N+E		3P+N+E
3	3			2		1

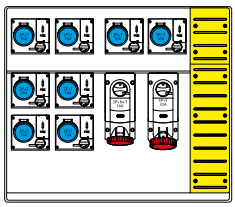
Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB-RCCB 4P 100A 30mA	Terminal block	55kW	**658.6959-229**	**658.6059-229**
	Appliance inlet 3P+N+E 125A	55kW	**658.6859-229**	



16A Sockets			32A Sockets		63A Sockets	
2P+E			3P+E	3P+N+E		
8			1	1		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A[1)]	Terminal block	35kW		**658.6050-066**

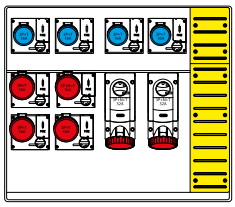
[1)] *Sockets RCCB protection.*



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E	3P+E			
6	2	1	1			

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB 4P 63A[1)]	Terminal block	35kW		**658.6050-157**

[1)] *Sockets RCCB protection.*



16A Sockets			32A Sockets		63A Sockets	
2P+E	3P+E	3P+N+E		3P+N+E		
4	3	1		2		

Main protection	Power supply	Power	With emergency push button IP65	Without emergency push button IP66
MCB-RCCB 4P 100A 30mA	Terminal block	55kW		**658.6050-255**

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

ASC distribution assemblies

ACCESSORIES – FUSES

Description	Rated current	Code
ø10,3x38 type GG	16A	**MP36275**
ø10,3x38 type GG	32A	**MP36250**
D02 type NEOZED	63A	**MP37299**

ACCESSORIES – STAND KIT



Description	Code	
MBOX2	**656.0120**	1



Description	Code	
MBOX3 - MBOX5	**657.0121**	**1**

ACCESSORIES - TURRET FIXING KIT FOR MBOX2



Description	Code	
Pole with panel fixing plate,handle cover, threaded blocks and screws for panel-turret assembly	**656.0220**	1

Description	Code	
Optional steel back closing plate	**656.0221**	1



Description	Code	
Optional plate for fixing the turret into concrete (provided with anchoring brackets and stud bolts)	**656.0222**	1



MEGA Series

MEGA is a range of distribution assemblies for construction site, equipped with a robust self-standing metal structure with a protective roof, with installed capacities from 55 to 375 KW. They allow the realization of combination units of interlocked socket outlets in thermoplastic or thermosetting material up to 125A, with relevant consumer units and junction boxes Each MEGA distribution assembly is supplied with declaration of conformity and wiring sheme. For any customization requirement a precise analysis and estimation service is active in SCAME

Applications examples



Building construction site



Terminal Container

Compositions examples



Interlocked socket outlets in grp thermosetting material on metal stand



Interlocked socket outlets in grp thermosetting material on metal support for surface mounting



Interlocked socket outlets in thermoplastic material in metal cabinet



IMPACT Series

IMPACT is a range of empty enclosures for distribution assemblies in non-deformable rubber or polyethylene, self-extinguishing and with high resistance to impact and atmospheric and chemical agents. The IMPACT series enclosures guarantee safe use in the most adverse environmental conditions and in the presence of strong mechanical stresses, even continuous. The black color of the enclosures makes them suitable also for use in the public show sector where they are appreciated for their ease of movement through their comfortable handles. Available in single-sided and double-sided version for the installation of industrial or domestic socket outlets. Every distribution assembly is equipped of compliance declaration and electric diagram. For every personalise configuration need it is active in SCAME a punctual system of analysis and budgeting.

technical sheet **p. 852**

Technical information

Main characteristics



01 Enclosure designed to ensure stackability

02 Equipable with:
- OPTIMA Series industrial sockets up to 125A available in industrial grey or black colour
- IP54 DOMO Series / IP66 DOMOPLUS Series domestic sockets

03 Recessed sockets to minimise the risk of accidental impacts

04 Raised base to avoid contact with the ground in outdoor applications

05 Feet for solid support on the ground

06 Protections compartment and inlet rear positioned

07 Enclosures in butyl rubber or LLDPE (linear low-density polyethylene) for maximum resistance to impact (IK10), heat (GW 960°C), atmospheric and chemical agents

08 Integrated handles to facilitate transportation of the distribution assembly

Applications examples



Public entertainment



Building construction site

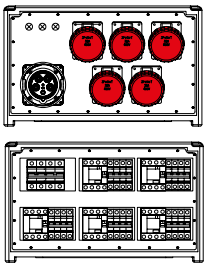
Special versions



Compact versions equipped with cable and plug.



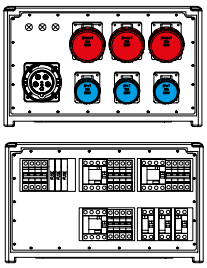
WIRED LLDPE DISTRIBUTION ASSEMBLIES >> IP65



16A Sockets	32A Sockets
	3P+N+E
	5

Sockets protection	
RCCB	5x **32A** 4P 30mA
MCB	5x 4P **32A**

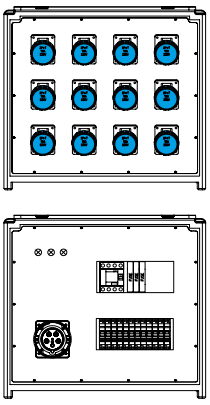
Main protection	Power supply	Dimension (WxHxD)	With black coloured socket outlets	With standard coloured socket outlets
MCB 125A 4P	3P+N+E 125A Appliance inlet	560x380x350mm	**690.5602-1712K**	**690.5602-1712**



16A Sockets	32A Sockets
2P+E	3P+N+E
3	3

Sockets protection		
RCCB	1x **40A** 4P 30mA	2x **40A** 4P 30mA
MCB	3x 1P+E **16A**	1x 4P **32A** / 2x 4P **32A**

Main protection	Power supply	Dimension (WxHxD)	With black coloured socket outlets	With standard coloured socket outlets
MCB 63A 4P	3P+N+E 63A Appliance inlet	560x380x350mm	**690.5602-1713K**	**690.5602-1713**

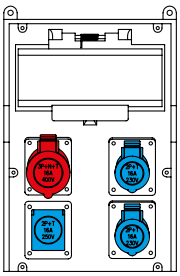


16A Sockets	32A Sockets
2P+E	
12	

Sockets protection	
RCCB	
MCB	12x 1P+E **16A**

Main protection	Power supply	Dimension (WxHxD)	With black coloured socket outlets	With standard coloured socket outlets
RCCB 63A 4P 30mA	3P+N+E 63A Appliance inlet	560x560x500mm	**690.5603-1714K**	**690.5603-1714**

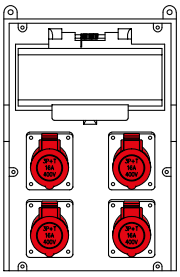
WIRED RUBBER DISTRIBUTION ASSEMBLIES >> IP44



16A Sockets				32A Sockets	
2P+E		3P+N+E	2P+E P40		
3		1	1		

Main protection	Power supply	Dimension (WxHxD)	With standard coloured socket outlets
MCB 16A 4P + 3 x MCB 16A 1P	Portable with 3m cable and 3P+N+E 16A plug	260x380x150mm	**690.4200-301**

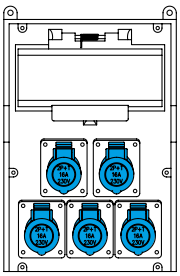
Versions with black sockets on request



16A Sockets				32A Sockets	
	3P+E				
	4				

Main protection	Power supply	Dimension (WxHxD)	With standard coloured socket outlets
2 x MCB 16A 3P	Portable with 3m cable and 3P+E 16A plug	260x380x150mm	**690.4200-295**

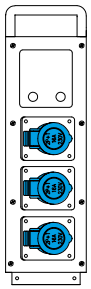
Versions with black sockets on request



16A Sockets				32A Sockets	
2P+E					
5					

Main protection	Power supply	Dimension (WxHxD)	With standard coloured socket outlets
5 x sez. 16A 1P	Portable with 3m cable and 2P+E 16A plug	260x380x150mm	**690.4200-300**

Versions with black sockets on request



16A Sockets				32A Sockets	
2P+E					
3					

Main protection	Power supply	Dimension (WxHxD)	With standard coloured socket outlets
MCB 16A 1P+E RCCB 25A 2P 30mA	Portable with 3m cable and 2P+E 16A plug	130x450x83mm	**690.4205-062**

Versions with black sockets on request



DOMINO Series

DOMINO is a range of distribution assemblies made of shockproof and self-extinguishing thermoplastic material, ideal for industrial, service and construction site applications. Available in 4 different sizes with protection compartment from 8 to 24 DIN and industrial socket outlets up to 63A, also interlocked, or waterproof domestic standard socket outlets.

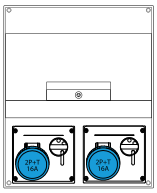
DOMINO distribution assemblies are available for surface installation or as mobile version with cable and plug.

Each distribution assembly is supplied with declaration of conformity and wiring scheme.

For any customization requirement, a precise analysis and estimate service is active in SCAME.

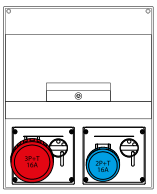
technical sheet **p. 847**

DOMINO >> INTERLOCKED SOCKET OUTLETS



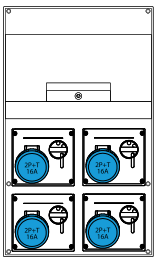
16A Sockets	
2P+E	
2	

Version	Protections	Power	IP44	IP66
Surface mounting	2 MCB 1P 16A	6kW	**671.3020-77**	
Portable with 4m cable and 2P+E 16A plug	MCB 2P 16A RCCB 2P 25A 30mA	3kW	**670.3026-77**	



16A Sockets	
2P+E	3P+E
1	1

Version	Protections	Power	IP44	IP66
Surface mounting	1 MCB 2P 16A 1 MCB 3P 16A	12kW	**671.3020-75**	**671.3520-75**

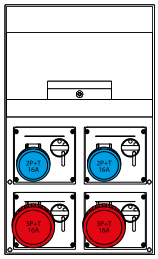


16A Sockets	
2P+E	
4	

Version	Protections	Power	IP44	IP66
Surface mounting	4 MCB 1P 16A	12kW	**671.6040-95**	
Portable with 4m cable and 2P+E 16A plug	MCB 2P 16A RCCB 2P 25A 30mA	3kW	**670.6046-12**	**670.6546-12**

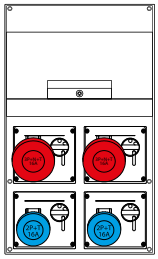
EUROPEAN STANDARD EN 61439-4 **ASC** Assemblies for construction sites

ASC distribution assemblies



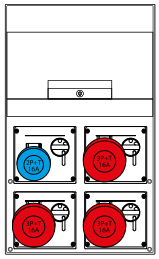
16A Sockets	
2P+E	3P+E
2	2

Version	Protections	Power	IP44	IP66
Surface mounting	2 MCB 1P 16A 2 MCB 3P 16A	24kW	**671.6040-03**	**671.6540-03**
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW	**670.6046-03**	**670.6546-03**



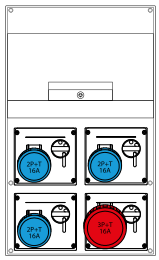
16A Sockets	
2P+E	3P+N+E
2	2

Version	Protections	Power	IP44
Surface mounting	2 MCB 1P 16A 2 MCB 4P 16A	24kW	**671.6040-06**



16A Sockets	
2P+E	3P+E
1	3

Version	Protections	Power	IP44
Surface mounting	1 MCB 1P 16A 3 MCB 3P 16A	30kW	**671.6040-07**



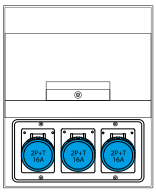
16A Sockets	
2P+E	3P+E
3	1

Version	Protections	Power	IP44	IP66
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW	**670.6046-08**	**670.6546-08**

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

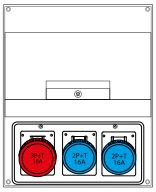
ASC distribution assemblies

DOMINO >> INDUSTRIAL SOCKET OUTLETS



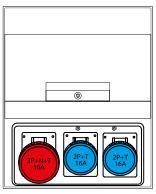
16A Sockets	
2P+E	
3	

Version	Protections	Power	IP44	IP66
Surface mounting	-	9kW	671.3030-97	671.3530-97
Portable with 4m cable and 2P+E 16A plug	MCB 2P 16A RCCB 2P 25A 30mA	3kW		670.3536-62



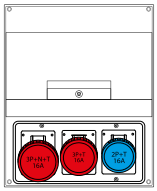
16A Sockets	
2P+E	3P+E
2	1

Version	Protections	Power	IP44	IP66
Surface mounting	-	15kW	671.3030-59	671.3530-59
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW		670.3536-59



16A Sockets	
2P+E	3P+E
2	1

Version	Protections	Power	IP66
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 00mA	9kW	670.3536-61

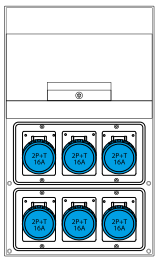


16A Sockets		
2P+E	3P+E	3P+N+E
1	1	1

Version	Protections	Power	IP66
Portable with 4m cable and 3P+N+E 16A plug	MCB 3P 32A RCCB 4P 40A 30mA	18kW	670.3536-438

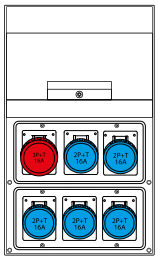
EUROPEAN STANDARD EN 61439-4 ASC Assemblies for construction sites

ASC distribution assemblies



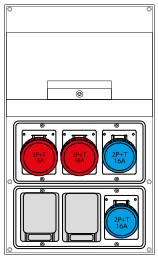
16A Sockets			
2P+E			
6			

Version	Protections	Power	IP66
Portable with 4m cable and 2P+E 16A plug	MCB 2P 16A RCCB 2P 25A 30mA	3kW	670.6566-119
Portable with 4m cable and 3P+N+E 32A plug	MCB 1P 16A RCCB 4P 40A 30mA	18kW	670.6566-126



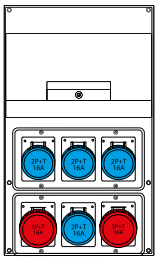
16A Sockets			
2P+E	3P+E		
5	1		

Version	Protections	Power	IP66
Portable with 4m cable and 3P+N+E 32A plug	1 MCB 3P 16A 3 MCB 1P 16A RCCB 4P 40A 30mA	18kW	670.6566-366



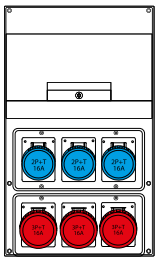
16A Sockets			
2P+E	3P+E		2P+E P40
2	2		2

Version	Protections	Power	IP66
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW	670.6566-111



16A Sockets			
2P+E	3P+E		
4	2		

Version	Protections	Power	IP66
Surface mounting	4 MCB 1P 16A - 2 MCB 3P 16A	30kW	671.6560-115
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW	670.6566-115



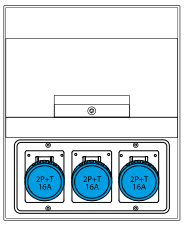
16A Sockets			
2P+E	3P+E		
3	3		

Version	Protections	Power	IP66
Surface mounting	3 MCB 1P 16A 3 MCB 3P 16A	35kW	671.6560-117
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW	670.6566-117

EUROPEAN STANDARD EN 61439-4
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Assemblies for construction sites

ASC distribution assemblies

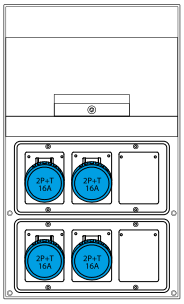
DOMINO >> FOR CAMPING SITES - IP66



16A Sockets

2P+E
3

Version	Protections		
Surface mounting	3 MCB 1P+E 16A 3 RCCB 2P 25A 30mA	**671.3536-729**	1

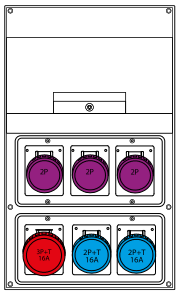


16A Sockets

2P+E
4

Version	Protections		
Surface mounting	4 MCB 1P+E 16A 4 RCCB 2P 25A 30mA	**671.6546-730**	1

DOMINO >> WITH SAFETY TRANSFORMER



16A Sockets		
		
2P+E	3P+E	2P - 24V
2	1	3

Version	Protections	Power	IP66
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA 1 MCB 2P 3A - 1MT 1P 10A 2 sez. 1P 16A - 1 sez. 3P 32A	Trasf: 300VA 9kW (230-24V)	**670.6569-148**

Safety transformer 220/24V~ SELV.

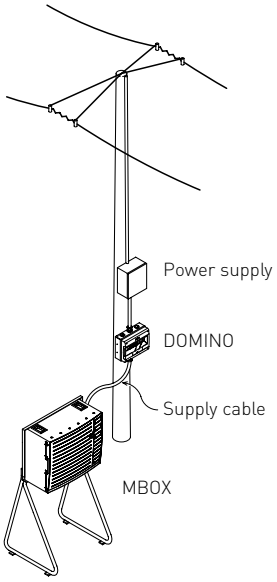
DOMINO >> OUTLET WITH TERMINAL BLOCKS



Version	Protections	Power	Without emergency push button IP66	Witk emergency push button IP65
	MCB / RCCB 4P 100A 30mA	55kW	**671.2012-002** [2)]	**671.2912-002** [2)]
	MCB 4P 63A RCCB 4P 63A 30mA	35kW	**671.2012-003** [1)]	**671.2912-003** [1)]
	MCB 4P 32A RCCB 4P 40A 30mA	18kW	**671.2012-004** [2)]	**671.2912-004** [2)]
	MCB 1P+E 16A RCCB 2P 25A 30mA	3kW	**671.2012-005** [2)]	
	MCB 2P 32A RCCB 2P 40A 30mA	6kW	**671.2012-009** [2)]	
	MCB 4P 63A RCCB 4P 63A 300mA	35kW	**671.2012-010**	
	MCB 4P 32A RCCB 4P 40A 300mA	18kW	**671.2012-011**	
	MCB 4P 32A RCCB 4P 40A 300mA SEL Type A	18kW	**671.2012-015**	

No earthing is required for this assembly.

[1)] *Consumer unit 16 DIN.*
[2)] *Consumer unit 12 DIN.*



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ASC distribution assemblies

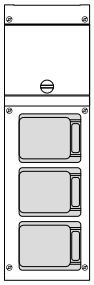


BLOCK Series

BLOCK is a range of compact distribution assemblies made of shockproof and self-extinguishing thermoplastic material, ideal for the supply of small and medium-sized users in the industrial, tertiary and construction site sectors. Available in four sizes, from 4 to 14 DIN, with industrial socket outlets up to 32A and waterproof domestic socket outlets. Mobile versions, equipped with cable and plug, are easy to transport thanks to the retractable tilting handle. Each panel is supplied with declaration of conformity and wiring scheme. For any customization requirement, a precise analysis and estimation service is available.

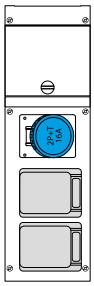
technical sheet **p. 844**

BLOCK 3



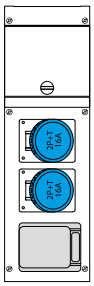
16A Sockets				32A Sockets	
			2P+E P40		
			3		

Version	Protections	Power	IP44	IP66
Portable with 1,5m cable and 2P+E 16A plug	MCB 2P 16A	3kW	**630.3000-055**	
	MCB 2P 16A RCCB 2P 25A 30mA	3kW	**630.3006-055**	**630.3506-055**
Surface mounting	MCB 1P+E 16A	3kW	**632.3000-055**	
	MCB 1P+E 16A RCCB 2P 25A 30mA	3kW	**632.3006-055**	



16A Sockets				32A Sockets	
2P+E			2P+E P40		
1			2		

Version	Protections	Power	IP44	IP66
Portable with 1,5m cable and 2P+E 16A plug	MCB 2P 16A RCCB 2P 25A 30mA	3kW	**630.3006-362**	**630.3506-362**

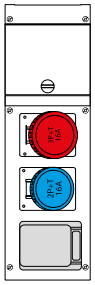


16A Sockets				32A Sockets	
2P+E			2P+E P40		
2			1		

Version	Protections	Power	IP44	IP66
Portable with 1,5m cable and 2P+E 16A plug	MCB 2P 16A	3kW	**630.3000-054**	
	MCB 2P 16A RCCB 2P 25A 30mA	3kW	**630.3006-054**	**630.3506-054**
	MCB 1P+E 16A RCCB 2P 25A 30mA	3kW		**630.3506-1268**
Surface mounting	MCB 1P+E 16A	3kW	**632.3000-054**	
	MCB 1P+E 16A RCCB 2P 25A 30mA	3kW	**632.3006-054**	

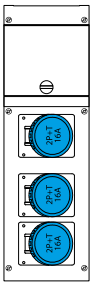
EUROPEAN STANDARD EN 61439-4 **ASC** Assemblies for construction sites

ASC distribution assemblies



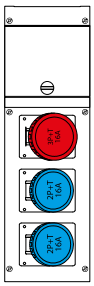
16A Sockets				32A Sockets	
2P+E	3P+E		2P+E P40		
1	1		1		

Version	Protections	Power	IP44	IP66
Portable with 1,5m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 16A 30mA	9kW	630.3006-052	630.3506-052



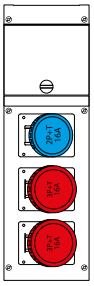
16A Sockets				32A Sockets	
2P+E					
3					

Version	Protections	Power	IP44	IP66
Portable with 1,5m cable and 2P+E 16A plug	MCB 2P 16A	3kW	630.3000-062	630.3500-062
	MCB 2P 16A RCCB 2P 25A 30mA	3kW	630.3006-062	630.3506-062
	MCB 1P+E 16A RCCB 2P 25A 30mA	3kW		630.3506-1057
Surface mounting	MCB 2P 16A	3kW	632.3000-062	632.3500-062
	MCB 2P 16A RCCB 2P 25A 30mA	3kW		632.3506-062



16A Sockets				32A Sockets	
2P+E	3P+E				
2	1				

Version	Protections	Power	IP44	IP66
Portable con 1,5mt cable and 3P+N+E 16A plug	MCB 4P 16A	9kW	630.3000-059	630.3500-059
	MCB/RCCB 4P 16A 30mA	9kW	630.3006-059	630.3506-059
Surface mounting	MCB 4P 16A	9kW	632.3000-059	632.3500-059
	MCB/RCCB 4P 16A 30mA	9kW	632.3006-059	632.3506-059



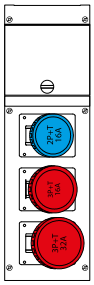
16A Sockets				32A Sockets	
2P+E	3P+E				
1	2				

Version	Protections	Power	IP44	IP66
Portable with 1,5m cable and 3P+N+E 16A plug	MCB 4P 16A	9kW	630.3000-060	630.3500-060
	MCB/RCCB 4P 16A 30mA	9kW	630.3006-060	630.3506-060
Surface mounting	MCB 4P 16A	9kW	632.3000-060	632.3500-060
	MCB/RCCB 4P 16A 30mA	9kW	632.3006-060	632.3506-060

EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

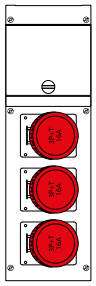
ASC distribution assemblies

BLOCK 3



16A Sockets				32A Sockets	
2P+E	3P+E			3P+E	
1	1			1	

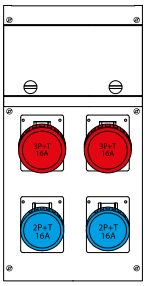
Version	Protections	Power	IP44	IP66
Surface mounting	MCB 4P 16A	9kW	632.3000-324	632.3500-324
	MCB / RCCB 4P 16A 30mA	9kW	632.3006-324	632.3506-324



16A Sockets				32A Sockets	
	3P+E				
	3				

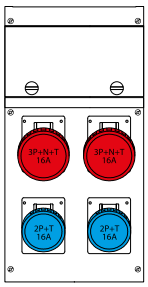
Version	Protections	Power	IP44	IP66
Portable with 1,5m cable and 3P+E 16A plug	MCB 3P 16A	9kW	630.3000-063	630.3500-063
	MCB / RCCB 4P 16A 30mA	9kW	630.3006-063	630.3506-063
Surface mounting	MCB 3P 16A	9kW	632.3000-063	632.3500-063
	MCB / RCCB 4P 16A 30mA	9kW	632.3006-063	632.3506-063

BLOCK 4



16A Sockets				32A Sockets	
2P+E	3P+E				
2	2				

Version	Protections	Power	IP44	IP66
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A	9kW	630.4000-003	630.4500-003
	MCB 4P 16A RCCB 4P 25A 30mA	9kW	630.4006-003	630.4506-003
Portable with 2m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW		630.4506-1060
Portable on support with roof 1,5m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW	630.4106-003	632.4606-003
Surface mounting	MCB 4P 16A	9kW	632.4000-003	632.4500-003
	MCB 4P 16A RCCB 4P 25A 30mA	9kW	632.4006-003	632.4506-003

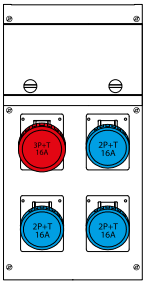


16A Sockets				32A Sockets	
2P+E		3P+N+E			
2		2			

Version	Protections	Power	IP44	IP66
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A	9kW	630.4000-006	630.4500-006
	MCB 4P 16A RCCB 4P 25A 30mA	9kW	630.4006-006	630.4506-006
Surface mounting	MCB 4P 16A	9kW	632.4000-006	632.4500-006
	MCB 4P 16A RCCB 4P 25A 30mA	9kW	632.4006-006	632.4506-006

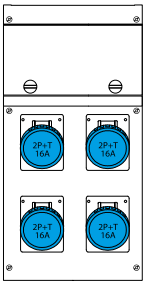
EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

ASC distribution assemblies



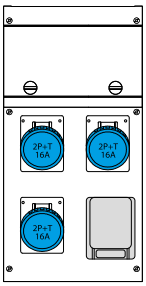
16A Sockets				32A Sockets	
2P+E	3P+E				
3	1				

Version	Protections	Power	IP44	IP66
Portable with 4m cable and 3P+N+E 16A plug	MCB 4P 16A	9kW	630.4000-008	630.4500-008
	MCB 4P 16A RCCB 4P 25A 30mA	9kW	630.4006-008	630.4506-008
Portable with 2m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW		630.4506-1059
Portable on support with roof 1,5m cable and 3P+N+E 16A plug	MCB 4P 16A RCCB 4P 25A 30mA	9kW	632.4106-008	630.4606-008
Surface mounting	MCB 4P 16A	9kW	632.4000-008	632.4500-008
	MCB 4P 16A RCCB 4P 25A 30mA	9kW	632.4006-008	632.4506-008



16A Sockets				32A Sockets	
2P+E					
4					

Version	Protections	Power	IP44	IP66
Portable with 4m cable and 2P+E 16A plug	MCB 2P 16A	3kW	630.4000-012	630.4500-012
	MCB 2P 16A RCCB 2P 25A 30mA	3kW	630.4006-012	630.4506-012
	MCB 1P+E 16A RCCB 2P 25A 30mA	3kW		630.4506-331
Portable with 2m cable and 2P+E 16A plug	MCB 1P+E 16A RCCB 2P 25A 30mA	3kW		630.4506-1058
Portable on support with roof 1,5m cable and 2P+E 16A plug	MCB 2P 16A RCCB 2P 25A 30mA	3kW	630.4106-012	630.4606-012
Surface mounting	MCB 2P 16A	3kW	632.4000-012	632.4500-012
	MCB 1P+E 16A RCCB 2P 25A 30mA	3kW	632.4006-012	632.4506-012



16A Sockets				32A Sockets	
2P+E			2P+E P40		
3			1		

Version	Protections	Power	IP66
Portable with 2m cable and 2P+E 16A plug	MCB 1P+E 16A RCCB 2P 25A 30mA	3kW	630.4506-1484

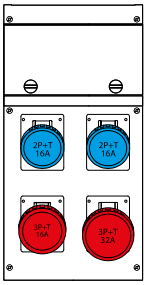
EUROPEAN STANDARD EN 61439-4
ASC
Assemblies for construction sites

ASC distribution assemblies



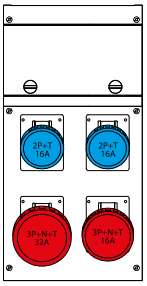
Support with roof in steel.
Allows the distribution assembly to be sustained for a correct earth usage.

BLOCK 4



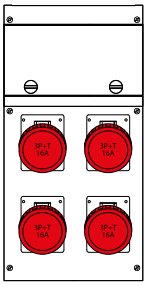
16A Sockets			32A Sockets	
2P+E	3P+E		3P+E	
2	1		1	

Version	Protections	Power	IP44	IP66
Portable with 4m cable and 3P+N+E 32A plug	MCB 4P 16A	9kW	630.4000-326	630.4500-326
Surface mounting	MCB 4P 16A	9kW	632.4000-326	632.4500-326
	MCB 4P 16A RCCB 4P 25A 30mA	9kW	632.4006-326	632.4506-326



16A Sockets			32A Sockets	
2P+E	3P+N+E			3P+N+E
2	1			1

Version	Protections	Power	IP44	IP66
Portable with 4m cable and 3P+N+E 32A plug	MCB 4P 16A	9kW	630.4000-328	630.4500-328
	MCB 4P 16A RCCB 4P 25A 30mA	9kW	630.4006-328	630.4506-328
Surface mounting	MCB 4P 16A	9kW	632.4000-328	632.4500-328
	MCB 4P 16A RCCB 4P 25A 30mA	9kW	632.4006-328	632.4506-328



16A Sockets			32A Sockets	
	3P+E			3P+N+E
	4			1

Version	Protections	Power	IP44	IP66
Portable on support with roof 1,5m cable and 3P+E 16A plug	MCB 3P 16A RCCB 4P 25A 30mA	9kW	630.4106-013	630.4606-013

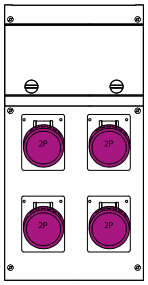
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Assemblies for construction sites

ASC distribution assemblies



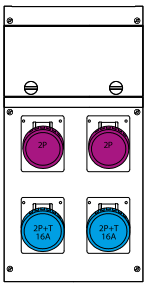
Support with roof in steel.
Allows the distribution assembly to be sustained for a correct earth usage.

BLOCK 4 >> WITH SAFETY TRANSFORMER



16A Sockets			
			2P - 24V
			4

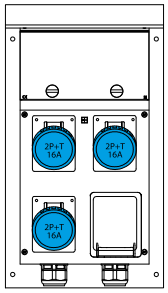
Version	Protections	Power	IP44	IP66
Surface mounting	MCB 1P+E 3A	300VA (230/24V) transformer	**632.4009-014**	**632.4509-014**



16A Sockets			
2P+E			2P - 24V
2			2

Version	Protections	Power	IP44	IP66
Surface mounting	MCB 1P+E 16A	150VA (230/24V) transformer	**632.4009-015**	**632.4509-015**

BLOCK 4 >> LOOP-IN/LOOP-OUT



16A Sockets			
2P+E			2P+E P40
3			1

Version	Protections	Power	IP66
Steel support for surface mounting	MCB 4P16A RCCB 4P 25A 30mA	9kW	**632.4706-1549**
	4xMT 1P+E 16A RCCB 4P 40A 30mA	18kW	**632.4706-1550**

ACCESSORIES



Description	Code	
Stand for BLOCK4 distribution assemblies	**654.0600**	2



Description	Code	
Support with roof for BLOCK 4 distribution assemblies	**654.0620**	1


SCAME
2P+T-IP55-16A-230V~
299.1693-00

DEVICES FOR SPECIFIC APPLICATIONS

TRANSFORMER SERIES p. 538

Distribution assemblies with safety and insulation transformer



SALVAMOTORE SERIES p. 539

Distribution assemblies for motor cut-out





TRANSFORMER Series

TRANSFORMER is a range of distribution assemblies with safety or insulation transformer ideal for the use of electrical appliances in restricted places limited by metal or conductive surfaces. They are fundamental for the safety of the operators if they come into contact with such surfaces through a large part of the body with limited possibility of interrupting this contact. Examples of narrow conductive places may be small metal tanks, inside of metal pipes, damp tunnels, narrow excavations in the ground or pylons.

ACS ASSEMBLIES WITH SAFETY AND ISOLATING TRANSFORMER



Voltage (V)	Power (VA)	Sockets IP67	Cutoff switch (1P+E)	Plug switch (1P)	IP55	
230/230V	1.000 VA	1x2P+Tx16A 220V h6	1MT 6A	1MT 6A	**630.031**	1

Note: the equipment must be kept outside narrow conducting spaces.
2P+E IP67 16A 230V 6h Plug.
Rubber electric cable 2x1,5 mm2 H07RN-F (length 1,5 m).
Safety transformer: SELV protection (230/24V and 230/48V).
Isolating transformer: electric shielding protection (230/230V).
Provided with housing mod. SCABOX complete with lifting handle.
MCB with operating time complying with D curve diagram.

EUROPEAN STANDARD EN 61439-4 ASC Assemblies for construction sites

ASC distribution assemblies



SALVAMOTORE Series

SALVAMOTORE is a range of devices for application on board the machine such as cranes, cement mixers, circular saws, acting as a functional controlt, emergency stop and thermal protection of the connected equipment SALVAMOTORE avoids the restart of the machine after any lack of tension, thus guaranteeing maximum safety for the operator.

EMPTY ENCLOSURE



Description	Code	
Without appliance inlet	**299.1600-00**	1/10

Equipped DIN Rail and cable gland.

MOTOR CUT-OUT



Description	In (A)	Loc (kA)	Motor Power[1] kW	CV	Code	
16A 2P+E 6h - 230V~	1,6 - 2,5	6	0,2 - 0,4	0,3 - 0,5	**299.1693-02**	1/10
	2,5 - 4,0	6	0,4 - 0,6	0,5 - 0,9	**299.1693-04**	1/10
	4,0 - 6,3	6	0,6 - 1,0	0,9 - 1,4	**299.1693-06**	1/10
	6,3 - 10	6	1,0 - 1,6	1,4 - 2,2	**299.1693-10**	1/10
	10 - 16	6	1,6 - 2,6	2,2 - 3,5	**299.1693-16**	1/10
16A 3P+E 6h - 400V~	1,6 - 2,5	6	0,7 - 1,2	1,0 - 1,5	**299.1696-02**	1/10
	2,5 - 4,0	6	1,2 - 1,9	1,5 - 2,5	**299.1696-04**	1/10
	4,0 - 6,3	6	1,9 - 3	2,5 - 4,1	**299.1696-06**	1/10
	6,3 - 10	6	3 - 4,8	4,1 - 6,6	**299.1696-10**	1/10
	10 - 16	6	4,8 - 7,7	6,6 - 10,5	**299.1696-16**	1/10

Protection with normal starter switch on low-voltage tripping device.
With appliance inlet and 2m of H07RN-F rubber cable.
The motor starter switch can be set on the limit current according to the motor power.

[1] *Motor power calculated with, rated voltage 230/400V and cos φ 0,7.*


SCAME

PRE-ASSEMBLED DISTRIBUTION PEDESTALS

KIOSK SERIES

p. 543

Pedestals for energy distribution in public areas





KIOSK Series

KIOSK is a range of distribution pedestals for energy distribution in camping or touristic ports made of shockproof and self-extinguishing technopolymer with high resistance to atmospheric and chemical agents. Available in different sizes and configurations, KIOSK distribution pedestals are equipped with industrial or domestic watertight plugs and, on request, with water dispensers. The range is completed by red colored versions for fire protection applications. The metal versions are suitable to host BLOCK or DOMINO distribution assemblies as pedestal installation or BLOCK or ENERBOX for pole mounting solutions.

technical sheet **p. 854**

Technical information

Main characteristics pole mounting versions



01 Single-sided and double-sided versions in configurations up to OPTIMA industrial sockets with SAFE-IN safety device

02 Pole with roof in galvanised steel painted with polyester epoxy paint

03 Window in transparent polycarbonate for easy checking of the state of the protections

04 Prepared for power supply cable gland

Main characteristics
DOMINO metal versions



- 01 Window equipped with triangular key (Yale key on request)
- 02 Single-sided and double-sided versions available
- 03 Water service on request
- 04 Enclosure in painted sheet metal or in AISI 316L stainless steel. Maximum resistance to chemical and atmospheric agents and to corrosion.
- 05 Houses DOMINO Series distribution assemblies equipable with:
  - OPTIMA Series industrial sockets with SAFE-IN device
  - OMNIA Series industrial interlocked sockets

Main characteristics
BLOCK metal versions



- 01 Window equipped with triangular key (Yale key on request)
- 02 Houses BLOCK Series distribution assemblies equipable with:
  - OPTIMA Series industrial sockets with SAFE-IN device
  - IP54 DOMO Series / IP66 DOMOPLUS Series domestic sockets
- 03 Painted sheet metal enclosure

Main characteristics

SMART-K thermoplastic versions



01 Front pathway lighting as standard

02 Access door to the protection compartment with key lock with dedicated mapping

03 Water service on request

04 Shockproof and self-extinguishing engineering plastics enclosure with high resistance to chemicals, atmospheric agents and UV rays.

05 Side walls equipable with:
- OPTIMA Series industrial sockets with SAFE-IN device
- OMNIA Series industrial interlocked sockets / OMNIAPLUS Series domestic interlocked sockets

Main characteristics SMART-C thermoplastic versions



01 Front and rear LED lighting

02 Shockproof and self-extinguishing engineering plastics enclosure with high resistance to chemicals, atmospheric agents and UV rays

03 Water service on request

04 Protections compartment window padlockable on request

05 Equipable with:
- OPTIMA Series industrial sockets with SAFE-IN device
- OMNIA Series industrial interlocked sockets / OMNIAPLUS Series domestic interlocked sockets

06 Stainless steel plate

Main characteristics

SMART-X thermoplastic versions



01 Upper protections compartment with key lock with dedicated mapping

02 Equipable with up to 4 x OPTIMA Series industrial sockets with SAFE-IN device

The whole KIOSK Series is available with "SAFE-IN" safety device

The "SAFE-IN" safety device, assembled on specific versions of the 16A industrial sockets of the OPTIMA Series, works like the protection installed on household sockets: by means of an appropriate shutter, it closes the input of the socket contact tubes and prevents accidental and voluntary contact of live parts of the socket with slim objects, such as screwdrivers or wires. This protection offers an additional safety guarantee, in addition to that already provided by the spring-loaded cover assembled on the sockets.

SAFETY LEVEL OF THE OPTIMA SERIES SOCKETS

The OPTIMA Series sockets with the "SAFE-IN" safety device guarantee a higher level of safety in comparison with ordinary industrial sockets, especially in environments where there may be children present or people who have not been trained about electrical dangers (public areas, amusement parks, campgrounds, open markets, etc.).
Dangerous situations can be resolved thanks to the OPTIMA Series sockets equipped with the "SAFE-IN" safety device.



POLO MOUNTING - INTERLOCKED SOCKET OUTLETS - IP66



16A Sockets			Versions	Code	
2P+T	3P+T	3P+N+T			
2			Single-sided	**659 DM5220-01**	1
4			Single-sided	**659.DM5240-02**	1

POLE MOUNTING - INDUSTRIAL SOCKET - IP66



16A Sockets			Versions	Code	
2P+E					
4			Single-sided	**659.BL5141-10**	1
8			Double-sided	**659.BL5181-11**	1

4A-6A-10A-16A RCBO.
Without water service.

POLE MOUNTING - INDUSTRIAL SOCKET - IP55



16A Sockets			Versions	Code	
2P+E					
2			Single-sided	**659.EN5121-01**	1
4			Double-sided	**659.EN5141-10**	1

4A-6A-10A-16A RCBO.
Without water service.

BLOCK METAL VERSION - INDUSTRIAL SOCKET - IP66



16A Sockets			Versions	Code	
2P+E					
4			Single-sided	**659.BA5140-02**	1

4A-6A-10A-16A RCBO.
Without water service.

DOMINO VERSIONS >> INTERLOCKED SOCKET OUTLETS - IP66



16A Sockets		Versions	Metal sheet	Steel	
2P+E	3P+N+E				
2		Single-sided	**659.DA5221-01**	**659.DB5221-01**	1
4		Single-sided	**659.DA5241-02**	**659.DB5241-02**	1
4		Single-sided	**659.DA5243-07**[1)]		1
8		Double-sided	**659.DA5281-03**	**659.DB5281-03**	1
3	1	Single-sided	**659.DA5241-04**	**659.DB5241-04**	1
6	2	Double-sided	**659.DA5281-05**	**659.DB5281-05**	1

4A-6A-10A-16A RCBO.
Dimensions (mm): 487x1235x375.
Water service upon request.

[1)] *With 4 water services.*

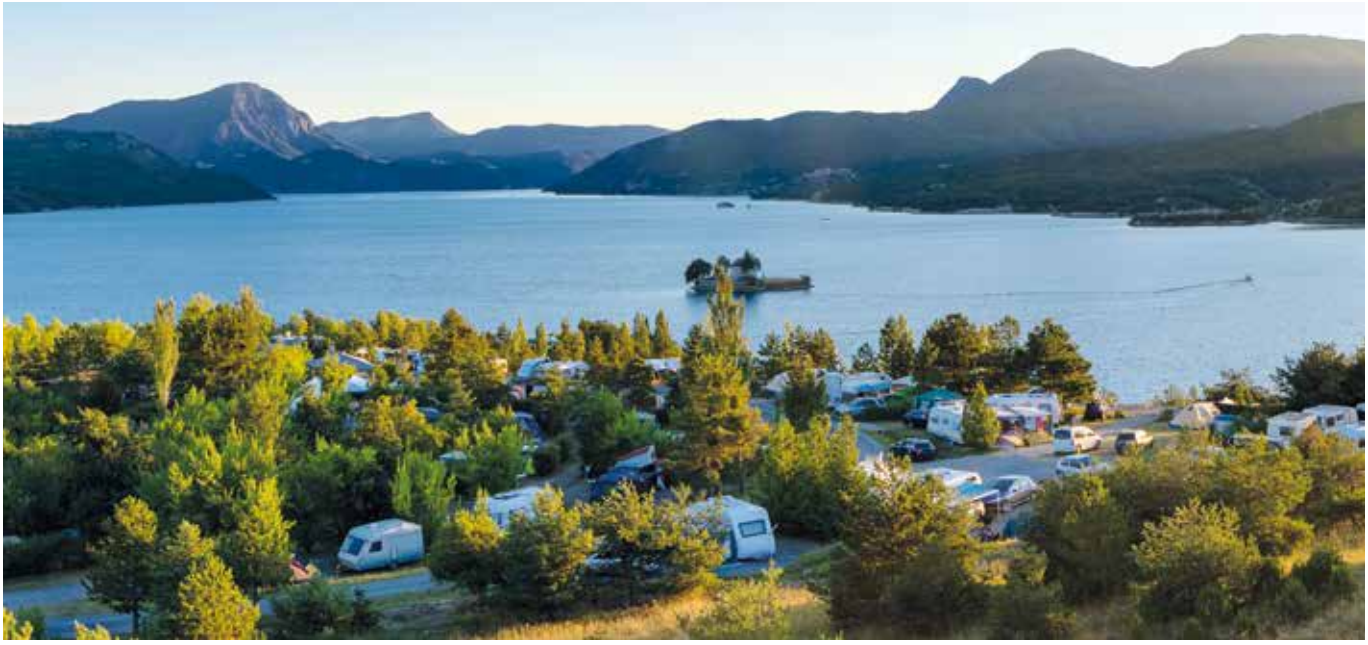
DOMINO VERSIONS >> INDUSTRIAL SOCKET - IP66



16A Sockets		Versions	Metal sheet	Steel	
2P+E	3P+N+E				
2		Single-sided	**659.DA5121-01**	**659.DB5121-01**	1
4		Single-sided	**659.DA5141-02**	**659.DB5141-02**	1
8		Double-sided	**659.DA5181-03**	**659.DB5181-03**	1
3	1	Single-sided	**659.DA5141-04**	**659.DB5141-04**	1
6	2	Double-sided	**659.DA5181-05**	**659.DB5181-05**	

4A-6A-10A-16A RCBO.
Dimensions (mm): 487x1235x375.
Water service upon request.

Applications examples



SMART-K TERMOPLASTIC VERSIONS >> INTERLOCKED SOCKET OUTLETS - IP56



16A Sockets		Versions	Code	
2P+E	3P+N+E			
2		Double-sided	**659.SK5221-01**	1
2		Double-sided	**659.SK5223-32** [1)]	1
4		Double-sided	**659.SK5241-02**	1
4		Double-sided	**659.SK5243-08** [2)]	1
3	1	Double-sided	**659.SK5241-04**	1
3	1	Double-sided	**659.SK5243-18** [2)]	1

4A-6A-10A-16A RCBO.
Dimensions (mm): 340x810x260.
With light kit.
Water service upon request.

[1)] *With 2 water services.*
[2)] *With 4 water services.*

SMART-K TERMOPLASTIC VERSIONS >> INDUSTRIAL SOCKET OUTLETS - IP56



16A Sockets		Versions	Code	
2P+E	3P+N+E			
2		Double-sided	**659.SK5121-01**	1
2		Double-sided	**659.SK5123-12** [1)]	1
4		Double-sided	**659.SK5141-02**	1
4		Double-sided	**659.SK5143-07** [2)]	1
3	1	Double-sided	**659.SK5141-04**	1

4A-6A-10A-16A RCBO.
Dimensions (mm): 340x810x260.
With light kit.
Water service upon request.

[1)] *With 2 water services.*
[2)] *With 4 water services.*

SMART-C TERMOPLASTIC VERSIONS >> INTERLOCKED SOCKET OUTLETS - IP56



16A Sockets			Versions	Code	
2P+E		3P+N+E			
2			Single-sided	**659.SC5221-01**	1
4			Single-sided	**659.SC5241-02**	1
3		1	Single-sided	**659.SC5241-04**	1

4A-6A-10A-16A RCBO.
Dimensions (mm): 580x1400x450.
With light kit.
Water service upon request.

SMART-C TERMOPLASTIC VERSIONS >> INDUSTRIAL SOCKET OUTLETS - IP56



16A Sockets			Versions	Code	
2P+E		3P+N+E			
2			Single-sided	**659.SC5121-01**	1
4			Single-sided	**659.SC5141-02**	1
4			Single-sided	**659.SC5142-36** [1]	1
4			Single-sided	**659.SC5141-11G** [2]	1
3		1	Single-sided	**659.SC5141-04**	1

4A-6A-10A-16A RCBO.
Dimensions (mm): 580x1400x450.
With light kit.
Water service upon request.

[1] *With 4 water services.*
[2] *With coin acceptor.*

SMART-X TERMOPLASTIC VERSIONS >> INDUSTRIAL SOCKET OUTLETS - IP56



16A Sockets	Versions	Code	
2P+E			
4	Double-sided	**659.SX5140-02**	1

4A-6A-10A-16A RCBO.
Dimensions (mm): 368x980x318.
With light kit.
Water service upon request.



SCAME





INDUSTRIAL ADAPTORS





INDUSTRIAL ADAPTORS

ADAPTO Series **p. 556**
Adaptors for industrial applications





ADAPTO Series

ADAPTO is a range of simple adaptors from CEE plug to domestic standard sockets or viceversa, phase inverters, configuration adapters, multiway adaptors and empty enclosure, with or with-out 6DIN consumer units, for pillar or suspended installation.

ADAPTO range allows the matching of a tool equipped with domestic plug with the existing power supply industrial socket without the need to replace it.

Furthermore multiway adaptors allow to connect more devices to the same supply socket.

technical sheet **p. 861**

PHASE SEQUENCE ADAPTORS FOR VOLTAGES >50V - 50 HZ



16A Plug		32A Plug		16A Socket		32A Socket		Voltage	IP44	
3P+E - 6h	3P+N+E - 6h	3P+E - 6h	3P+N+E - 6h	3P+E - 6h	3P+N+E - 6h	3P+E - 6h	3P+N+E - 6h			
1				1				380/415 V	**610.3646**	10
	1				1			346/415 V	**610.3747**	10
		1				1		380/415 V	**610.4646**	10
			1				1	346/415 V	**610.4747**	10

This device reverses the sequence of phases between the power supply and the rotating machine. It must be plugged in between the rotating machine plug and the power supply socket.
Specially useful for temporary connection to the three-phase power supply of machines such as concrete mixers, small cranes, sanders, drills, circular saws, etc.

CONFIGURATION ADAPTORS FROM 3P+N+E TO 3P+E FOR VOLTAGES >50V 50 HZ



16A Plug	32A Plug	16A Socket	32A Socket	Voltage	IP44	
3P+N+E - 6h	3P+N+E - 6h	3P+N+E - 6h	3P+E - 6h			
1		1		380/415 V	**610.3746**	10
	1		1	380/415 V	**610.4746**	10

Used to supply loads with 3P+E plugs from 3P+N+E power supply sockets.

WITH DOMESTIC PLUG - IP20



Domestic plug 16A	Industrial socket 16A	IP20	
	2P+E - 6h		
1	1	**610.383**	10/100



Domestic plug 16A	Industrial socket 16A	IP20	
	2P+E - 6h		
1	1	**610.384**	10/100



Domestic plug 16A	Industrial socket 16A	IP20	
	2P+E - 6h		
1	1	**610.384/N**	10/100

French/German standard 2P+E 16A

Italian standard 2P+E 16A

WITH INDUSTRIAL PLUG - IP20



Industrial plug 16A	Domestic socket	IP20	
2P+E - 6h	Italian P17/11		
1	1	**610.380**	10/100



Industrial plug 16A	Domestic socket	IP20	
2P+E - 6h	Italian P17/11		
1	2	**610.370**	10/100



Industrial plug 16A	Domestic socket		IP20	
2P+E - 6h	Italian P17/11	USB		
1	1	1	**610.370U**	10/100



Industrial plug 16A	Domestic socket	IP20	
3P+N+E - 6h	Italian P17/11		
1	2	**610.570**	10/100



Industrial plug 16A	Domestic socket	IP20	
2P+E - 6h	Pluristandard		
1	1	**610.371**	10/100



Industrial plug 16A	Domestic socket	IP20	
3P+N+E - 6h	Pluristandard		
1	1	**610.571**	10/100



Industrial plug 16A	Domestic socket		IP20	
2P+E - 6h	Italian P17/11	Italian P30		
1	2	1	**610.388**	10/100



Industrial plug 16A	Domestic socket		
2P+E - 6h	French		
1	1	**610.374**	10/100

Italian standard P17/11 2P+E 16A

Italian standard P30 2P+E 16A

Pluristandard P40 2P+E 16A

French standard 2P+E 16A

USB



Industrial plug 16A	Domestic socket	IP20	
2P+E - 6h	British		
1	1	**610.375**	10/100



Industrial plug 16A	Domestic socket	IP20	
2P+E - 6h	German		
1	1	**610.373**	10/100



Industrial plug 16A	Domestic socket	IP20	
3P+N+E - 6h	German		
1	1	**610.573**	10/100



Industrial plug 16A	Domestic socket	IP20	
2P+E - 6h	Argentinian		
1	1	**610.377**	10/100



Industrial plug 16A	Domestic socket	IP20	
2P+E - 6h	Argentinian		
1	1	**610.378**	10/100

British standard 2P+E 13A

Argentinian standard 2P+E 10A

Argentinian standard 2P+E 20A

German standard 2P+E 16A

INDUSTRIAL ADAPTORS

ADAPTO Series

2-WAY ADAPTORS



with cable and plug

16A Socket outlets			Power supply		IP44		IP66	
2P+E			Plug	Cable				
2			16A 2P+E	3x2,5 2m	**600.2015-062**	1/6	**600.2515-062**	1/6
2			16A 3P+E	3x2,5 5m	**600.2025-062**	1/6	**600.2525-062**	1/6
2			16A 3P+E	3x2,5 10m	**600.2035-062**	1/6	**600.2535-062**	1/6



with appliance inlet

16A Socket outlets				32A Socket outlet			Power supply	IP44		IP66	
2P+E	2P+E	3P+E	3P+N+E	2P+E	3P+E	3P+N+E	Plug				
2							16A 2P+E	**600.2005-479**	1/6	**600.2505-479**	1/6
	2						16A 2P+E	**600.2005-062**	1/6	**600.2505-062**	1/6
		2					16A 3P+E	**600.2005-063**	1/6	**600.2505-063**	1/6
			2				16A 3P+E	**600.2005-064**	1/6	**600.2505-064**	1/6
			2		2		32A 3P+E	**600.2005-065**	1/6	**600.2505-065**	1/6
	1	1				2	32A 3P+N+E	**600.2005-066**	1/6	**600.2505-066**	1/6
				2			32A 2P+E	**600.2005-067**	1/6	**600.2505-067**	1/6

3-WAY ADAPTORS



with cable and plug

16A Socket outlets				Power supply		IP44		IP66	
2P+E	2P+E	3P+E		Plug	Cable				
	3			16A 2P+E	3x2,5 2m	**600.3015-062**	1/6	**600.3515-062**	1/6
	3			16A 3P+E	3x2,5 5m	**600.3025-062**	1/6	**600.3525-062**	1/6
	3			16A 3P+E	3x2,5 10m	**600.3035-062**	1/6	**600.3535-062**	1/6



with appliance inlet

16A Socket outlets				Power supply	IP44		IP66	
2P+E	2P+E	3P+E	3P+N+E	Plug				
3				16A 2P+E	**600.3005-479**	1/6	**600.3505-479**	1/6
	3			16A 2P+E	**600.3005-062**	1/6	**600.3505-062**	1/6
		3		16A 3P+E	**600.3005-063**	1/6	**600.3505-063**	1/6
			3	16A 3P+N+E	**600.3005-064**	1/6	**600.3505-064**	1/6

5-WAY ADAPTORS



with cable and plug

16A Socket outlets					Power supply		IP44	
2P+E	3P+E	3P+N+E	2P+E	2P+E	Plug	Cable		
3			2		16A 2P+E	3x2,5	**602.5005-358**	1/6
	3		1	1	16A 3P+N+E	5x2,5	**602.5005-359**	1/6
		3		2	16A 3P+N+E	5x2,5	**602.5005-360**	1/6

2 m of H07RN-F rubber cable.



with appliance inlet

16A Socket outlets					Power supply	IP44	
2P+E	3P+E	3P+N+E	2P+E	2P+E	Terminal block 16mm²		
3			2		To be wired into the terminal block	**603.5005-358**	1/10
	3		1	1	To be wired into the terminal block	**603.5005-359**	1/10
		3		2	To be wired into the terminal block	**603.5005-360**	1/10

Italian standard P17/11 2P+E 16A

Pluristandard P40 2P+E 16A



SCAME





INDUSTRIAL CABLE REELS





INDUSTRIAL CABLE REELS

AUTOROLLER SERIES
p. 566
Automatic cable reels for industrial use



ROLLER 330 SERIES
p. 567
Cable reels for industrial use



ROLLER-BLOCK 330 SERIES
p. 569
Cable reels for industrial use with stand for distribution assembly



ROLLER 450 SERIES
p. 570
Cable reels for industrial use



ROLLER-BLOCK 450 SERIES
p. 571
Cable reels for industrial use with stand for distribution assembly



PROLUNGHE SERIES
p. 572
Extension cords for industrial use with rubber cable





AUTOROLLER Series

AUTOROLLER is a range of cable reels for surface mounting installation in shock-proof technopolymer and with automatic cable return after use.

Available with cable only without plug in lengths up to 14m, with 12m cable fitted with a domestic standard plug g or with a 16m cable equipped with a portable lamp.

Very important for safety, the thermal overload switch automatically cuts off the power supply in case of anomalous overheating.

The reactivation occurs exclusively by manual action with temperature below the intervention threshold.

technical sheet **p. 862**

WITH H05VV-F PVC CABLE - DOMESTIC SOCKET AND THERMAL OVERLOAD SWITCH



16A Sockets	Power supply		Max load (W)		IP42	
2P+E	Cable Type	Metres				
1	3x2,5	10	2000	2300	**751.40325-10**	1
	3x1,5	15	1500	2100	**751.40315-15**	1

H05VV-F PVC cable.

WITH H05VV-F PVC CABLE - INDUSTRIAL SOCKET AND THERMAL OVERLOAD SWITCH



16A Sockets	Power supply		Max load (W)		IP42	
2P+E	Cable Type	Metres				
1	3x2,5	10	2000	2300	**751.40325-10C**	1
	3x1,5	15	1500	2100	**751.40315-15C**	1

H05VV-F PVC cable.

German standard 2P+E 16A



ROLLER 330 Series

ROLLER 330 is a range of cable reels for industrial use mounted on a metal stand and with a cable length ranging from 20 to 40m.

Made of self-extinguishing and shock-resistant technopolymer, they are equipped with a domestic or industrial plug and industrial sockets up to 16A, also interlocked, or waterprooft domestic socket outlets in the main international Standards.

Very important for safety, the thermal overload switch automatically cuts off the power supply in case of anomalous overheating.

The reactivation occurs exclusively by manual action with temperature below the intervention threshold.

technical sheet **p. 863**

WITH 4 DOMESTIC SOCKET OUTLETS AND THERMAL OVERLOAD SWITCH



Sockets			Power supply			Max load (W)			IP20	
2P+E	2P+E	2P+E	Plug 2P+E 16A	Cable Type	Metres			Volt (V~)		
4			FR/DE	3x2,5	30	2000	3600	230	**746.3000-384**	1
4			FR/DE	3x1,5	40	1500	3600	230	**746.4000-384**	1
	4		S17	3x2,5	30	2000	3600	230	**746.3000-010**	1
	4		S17	3x1,5	40	1500	3600	230	**746.4000-010**	1
4			FR/DE	3x2,5	30	2000	3600	230	**746.3000-011**	1
4			FR/DE	3x1,5	40	1500	3600	230	**746.4000-011**	1
		4	British	3x2,5	30	2000	3600	230	**746.3000-012**	1
		4	British	3x1,5	40	1500	3600	230	**746.4000-012**	1

German standard 2P+E 16A

Pluristandard P40 2P+E 16A

British standard 2P+E 13A

INDUSTRIAL CABLE REELS

ROLLER 330 Series - ROLLER-BLOCK 330 Series

WITH 2 INDUSTRIAL SOCKET OUTLETS, 1 DOMESTIC SOCKET OUTLET AND THERMAL OVERLOAD SWITCH



16A Sockets				Power supply			Max load (W)			IP20	
2P+E	3P+E	3P+N+E	2P+E	Plug 16A	Cable Type	Cable Metres			Volt (V~)		
2			1	2P+E	3x2,5	30	1800	3600	230	**746.3010-054**	1
	2		1	3P+N+E	5x2,5	20	5000	11000	400	**746.2010-101**	1
		2	1	3P+N+E	5x2,5	20	5000	11000	400	**746.2010-102**	1
1	1		1	3P+N+E	5x2,5	20	5000	11000	400	**746.2010-052**	1

WITH 2 SOCKET OUTLET WITH THERMAL OVERLOAD SWITCH



16A Sockets			Power supply			Max load (W)			IP44		IP55	
2P+E	3P+E	3P+N+E	Plug 16A	Cable Type	Cable Metres			Volt (V~)				
2			2P+E	3x2,5	30	1800	3600	230	**746.3010-077**	1	**746.3510-077**	1
	2		3P+E	4x2,5	30	4500	11000	400	**746.3010-091**	1	**746.3510-091**	1
		2	3P+N+E	5x2,5	20	5000	11000	400	**746.2010-093**	1	**746.2510-093**	1
1	1		3P+N+E	5x2,5	20	5000	11000	400	**746.2010-075**	1	**746.2510-075**	1

WITH 1 INTERLOCKED SOCKET OUTLET AND THERMAL OVERLOAD SWITCH



16A Sockets			Power supply			Max load (W)			IP55	
2P+E	3P+E	3P+N+E	Plug 16A	Cable Type	Cable Metres			Volt (V~)		
1			2P+E	3x2,5	30	1800	3600	230	**746.3512-350**	1
	1		3P+E	4x2,5	30	4500	11000	400	**746.3512-351**	1
		1	3P+N+E	5x2,5	20	5000	11000	400	**746.2512-352**	1



ROLLER-BLOCK 330 Series

ROLLER-BLOCK 330 is a range of cable reels for industrial use mounted on a metal stand and with a cable length of 20 or 30m.

Made of self-extinguishing and shock-resistant technopolymer, they are equipped with industrial plug and a 16A industrial socket.

The thermal overload switch automatically cuts off the power supply in case of anomalous overheating.

The reactivation occurs exclusively by manual action with temperature below the intervention threshold.

The particular design of the metal stand allows the fixing on the backside panel of the cable reel of a distribution assembly from BLOCK4 Series (not included).

technical sheet **p. 863**

WITH 1 INDUSTRIAL SOCKET OUTLET AND THERMAL OVERLOAD SWITCH



16A Sockets			Power supply			Max load (W)			IP44		IP55	
2P+E	3P+E	3P+N+E	Plug 16A	Cable Type	Cable Metres			Volt. (V~)				
1			2P+E	3x2,5	30	1800	3600	230	**746.3025-350**	1	**746.3525-350**	1
	1		3P+E	4x2,5	30	4500	11000	400	**746.3025-351**	1	**746.3525-351**	1
		1	3P+N+E	5x2,5	20	5000	11000	400	**746.2025-352**	1	**746.2525-352**	1

With standard for BLOCK4 Series distribution assemblies.



ROLLER 450 Series

ROLLER 450 is a range of cable reels for industrial use mounted on a metal stand and with a cable length of 30 or 50m.

Made of self-extinguishing and shock-resistant technopolymer, they are equipped with industrial plug and industrial sockets up to 32A.

Very important for safety, the thermal overload switch automatically cuts off the power supply in case of anomalous overheating.

The reactivation occurs exclusively by manual action with temperature below the intervention threshold.

technical sheet **p. 863**

WITH 4 INDUSTRIAL SOCKET OUTLET AND THERMAL OVERLOAD SWITCH



16A Sockets			Power supply			Max load (W)			IP44		IP55	
2P+E	3P+E	3P+N+E	Plug 16A	Cable Type	Metres			Volt. (V~)				
4			2P+E	3x2,5	30	1800	3600	230	**745.3005-012**	1	**745.3505-012**	1
4			2P+E	3x2,5	50	1600	3600	230	**745.5005-012**	1	**745.5505-012**	1
	4		3P+E	4x2,5	30	4500	11000	400	**745.3005-013**	1	**745.3505-013**	1
	4		3P+E	4x2,5	50	4000	11000	400	**745.5005-013**	1	**745.5505-013**	1
		4	3P+N+E	5x2,5	30	5000	11000	400	**745.3005-096**	1	**745.3505-096**	1
		4	3P+N+E	5x2,5	50	4000	11000	400	**745.5005-096**	1	**745.5505-096**	1
2	2		3P+N+E	5x2,5	30	5000	11000	400	**745.3005-003**	1	**745.3505-003**	1
2	2		3P+N+E	5x2,5	50	4000	11000	400	**745.5005-003**	1	**745.5505-003**	1
2		2	3P+N+E	5x2,5	30	5000	11000	400	**745.3005-006**	1	**745.3505-006**	1
2		2	3P+N+E	5x2,5	50	4000	11000	400	**745.5005-006**	1	**745.5505-006**	1
3	1		3P+N+E	5x2,5	30	5000	11000	400	**745.3005-008**	1	**745.3505-008**	1
3	1		3P+N+E	5x2,5	50	4000	11000	400	**745.5005-008**	1	**745.5505-008**	1
3		1	3P+N+E	5x2,5	30	5000	11000	400	**745.3005-094**	1	**745.3505-094**	1
3		1	3P+N+E	5x2,5	50	4000	11000	400	**745.5005-094**	1	**745.5505-094**	1

On demand available with 32A sockets.



ROLLER-BLOCK 450 Series

ROLLER-BLOCK 450 is a range of cable reels for industrial use mounted on a metal stand with wheels to facilitate handling and with a cable length of 30 or 50m.

Made of self-extinguishing and shock-resistant technopolymer, they are equipped with industrial plug and industrial sockets up to 32A.

The thermal overload switch automatically cuts off the power supply in case of anomalous overheating.

The reactivation occurs exclusively by manual action with temperature below the intervention threshold.

The particular design of the metal stand allows the fixing on the backside panel of the cable reel of a distribution assembly from BLOCK4 Series (not included).

technical sheet **p. 863**

WITH 1 INDUSTRIAL SOCKET OUTLET AND THERMAL OVERLOAD SWITCH



16A Sockets			Power supply			Max load (W)			IP44		IP55	
2P+E	3P+E	3P+N+E	Plug 16A	Cable Type	Cable Metres			Volt. (V~)				
1			2P+E	3x2,5	30	1800	3600	230	**749.3005-350**	1	**749.3505-350**	1
1			2P+E	3x2,5	50	1600	3600	230	**749.5005-350**	1	**749.5505-350**	1
	1		3P+E	4x2,5	30	4500	11000	400	**749.3005-351**	1	**749.3505-351**	1
	1		3P+E	4x2,5	50	4000	11000	400	**749.5005-351**	1	**749.5505-351**	1
		1	3P+N+E	5x2,5	30	5000	11000	400	**749.3005-352**	1	**749.3505-352**	1
		1	3P+N+E	5x2,5	50	4000	11000	400	**749.5005-352**	1	**749.5505-352**	1
	1 [1)]		3P+E [1)]	4x4	30	7000	14000	400	**749.3005-353**	1	**749.3505-353**	1
		1 [1)]	3P+N+E [1)]	5x4	30	7000	14000	400	**749.3005-354**	1	**749.3505-354**	1

With standard for BLOCK4 Series distribution assemblies.

[1)] *32A.*



PROLUNGHE Series

PROLUNGHE is a range of industrial extension cords equipped with industrial plugs and connectors and rubber cable of different sections and lengths.

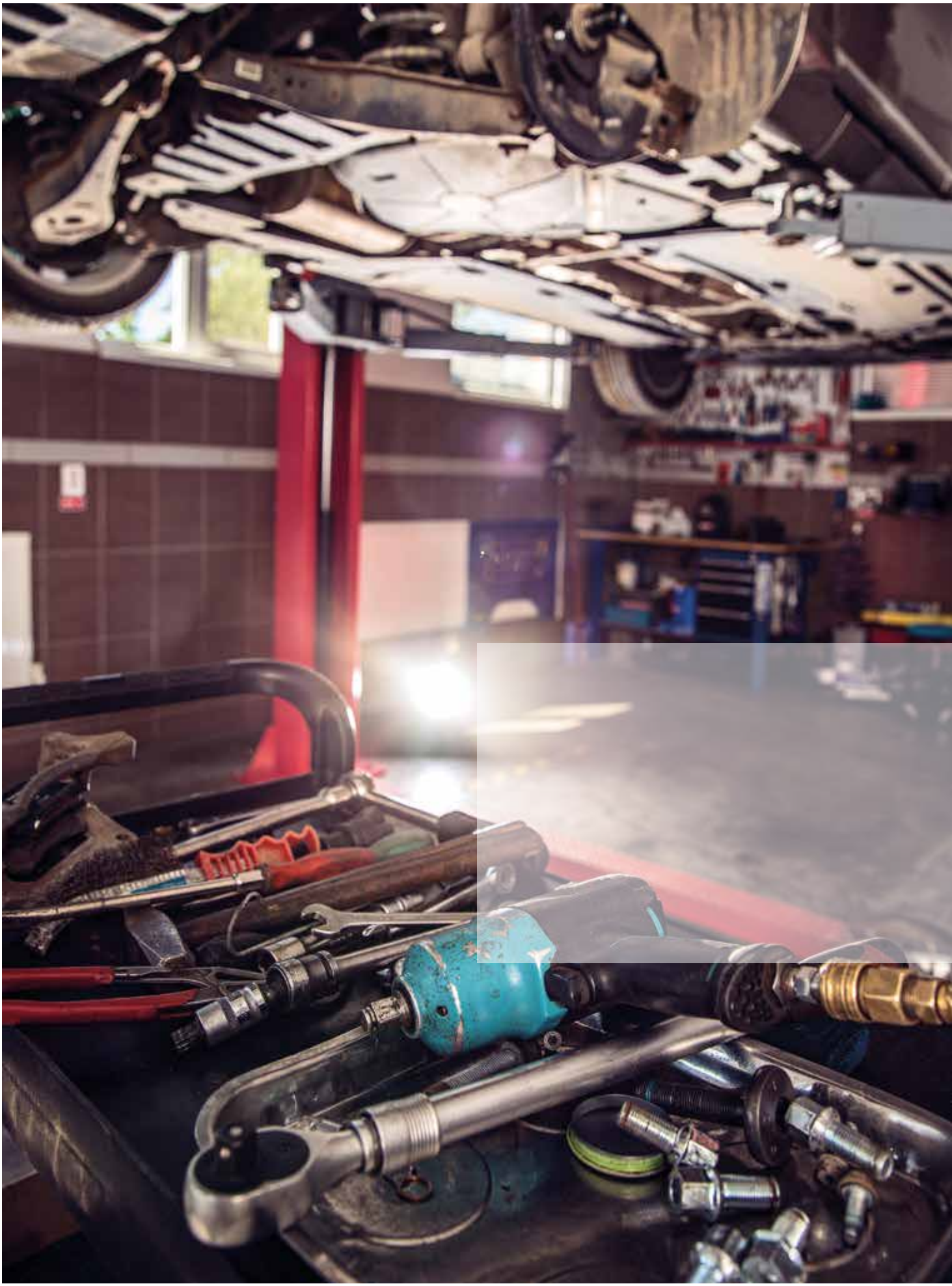
Thanks to their high technical-mechanical properties and the degree of protection IP66/IP67 they are suitable for use in harsh environments.

EXTENSION CORDS



16A Sockets			Power supply			IP66/IP67	
2P+E	3P+E	3P+N+E	Plug 16A	Cable Type	Metres		
1			2P+E	3x2,5	15	**758.1633-15**	1
1			2P+E	3x2,5	20	**758.1633-20**	1
1			2P+E	3x2,5	25	**758.1633-25**	1
1			2P+E	3x2,5	30	**758.1633-30**	1
	1		3P+E	4x2,5	15	**758.1636-15**[1)]	1
	1		3P+E	4x2,5	20	**758.1636-20**[1)]	1
	1		3P+E	4x2,5	25	**758.1636-25**[1)]	1
	1		3P+E	4x2,5	30	**758.1636-30**[1)]	1
		1	3P+N+E	5x2,5	10	**758.1637-10**[1)]	1
		1	3P+N+E	5x2,5	15	**758.1637-15**[1)]	1
		1	3P+N+E	5x2,5	20	**758.1637-20**[1)]	1
		1	3P+N+E	5x2,5	25	**758.1637-25**[1)]	1

[1)] *with reverse system.*



SCAME



LIGHT FITTINGS







LIGHT FITTINGS

MIZAR SERIES
Warning devices for fixed placement on construction site
p. 578



HALE SERIES
Portable lighting devices
p. 580





MIZAR Series

MIZAR is a range of signal light figttings equipped with incandescent or fluorescent lamps, particularly suitable for construction site applications. Easy to be fixed on scaffoldings.

technical sheet **p. 864**

FOR INCANDESCENT LAMPS



Description	Type	Lamp holder	Colour	Code	
BULKHEAD LIGHT	RECTANGULAR	E27		**780.2762**	12

Thermoplastic diffuser. For continuous use, use the version with polycarbonate diffuser.
Electric bulb not included.

IP: IP44
Lamp power: 60W

FOR INCANDESCENT LAMPS



Description	Type	Lamp holder	Colour	Code	
BULKHEAD LIGHT	RECTANGULAR	E27		**781.2761**	12
	RECTANGULAR	E27		**781.2760**	12

Electric bulb not included.
Polycarbonate diffuser.

IP: IP44
Lamp power: 60W



Description	Type	Lamp holder	Colour	Code	
BULKHEAD LIGHT	RECTANGULAR	E27		**786.2761**	12
	RECTANGULAR	E27		**786.2760**	12

Electric bulb not included.
Polycarbonate diffuser.

IP: IP55
Lamp power: 60W

RED BULKHEAD LIGHTS FOR INDICATING WORKING AREAS - LED+BATTERY



Description	Type	Lamp holder	Colour	Code	
BULKHEAD LIGHT	RECTANGULAR	LED		**786.0100**	1/12

Power supply: four 1.5V "AA" batteries (not included).
Switching on: automatic with twilight switch.
Double operation: fixed light and flashing with switch that selects the desired function.

IP: IP55

RED BULKHEAD LIGHTS FOR INDICATING WORKING AREAS - LED



Description	Type	Lamp holder	Colour	Code	
BULKHEAD LIGHT	RECTANGULAR	LED		**786.0220**	1/12

With 220V-powered LED flasher.
Direct turn-on (without twilight turn-on) and fixed light.



IP: IP55

MIZAR Series
MIZAR Series light-fittings are fitted with a slot on the rear of the base for hooking onto a nail, screw or hook, or for fastening to poles, pipes, bars or scaffolding using one or two cable ties.



HALE Series

HALE is a range of portable and hanging lamps, with metal protection cage for IP20 versions and transparent and shockproof polycarbonate shell for waterproof versions.

technical sheet **p. 865**

WITH PROTECTIVE GUARD AND ZINC-PLATED STEEL REFLECTOR



Lamp power: 60W
Lamp holder: E27

IP	Plug	Description	Type	Cable length	Cable section	Code	
IP20		PORTABLE LAMP	STANDARD LID	without cable		**770.200**	24
	2P 10A	PORTABLE LAMP	STANDARD LID	5m	2x0,75mm²	**770.207**	24
	2P 10A	PORTABLE LAMP	STANDARD LID	10m	2x0,75mm²	**770.208**	18

Protective guard that can be opened for light bulb replacement.
Lighting devices with protective guard and zinc-plated steel reflector:.
Handgrip in insulating, non-hygroscopic thermoplastic material with tilting system that prevents the lamp, when placed on a flat surface, to directly irradiate said surface and thus prevent dangerous overheating.
Tapered cable gland.
Cable gland.
Adjustable hook.
Rocker switch and screw clamp for cable replacement.
For lamps up to 60W (incandescent).
Screw cable stay.
Cable H05VV-F (PVC).

PORTABLE HEAVY DUTY LAMP >> HALE SERIES



Description	Lampholder	Code	
Without cable and plug	E27	**770.250**	1

Black color.
Heavy Duty products are especially suited to grevious working conditions and are also resistant to highly salty environments.

WITH IMPACT-RESISTANT PROTECTIVE DIFFUSER



Lamp power: 60W
Lamp holder: E27

IP	Plug	V	Description	Cable length	Cable section	Code	
IP20	2P 10A	250	PORTABLE LAMP	5m	2x1mm²	**770.407** [1)]	1/6
	2P 10A	250	PORTABLE LAMP	10m	2x1mm²	**770.408** [1)]	1/6
IP65			PORTABLE LAMP	without cable		**770.400**	1/6
	IND. 2P 16A	24	PORTABLE LAMP	5m	2x1mm²	**770.405**	1/6
	IND. 2P+E 16A	250	PORTABLE LAMP	5m	2x1mm²	**770.409**	1/6
	IND. 2P 16A	24	PORTABLE LAMP	10m	2x1mm²	**770.406**	1/6
	IND. 2P+E 16A	250	PORTABLE LAMP	10m	2x1mm²	**770.410**	1/6

Cable gland.
Adjustable hook.
Rocker switch and screw clamp for cable replacement.
For lamps up to 60W (incandescent).
Screw cable stay.
Protective shell in collision-proof technopolymer.
Lighting devices with protective shell.
Cable H05RN-F (RUBBER).
Handgrip in non-hygroscopic technopolymer.
Reflecting parabola in aluminium.

[1)] *The degree of protection IP20 is due to preserve of plug for domestic use, while the apparatus is IP65; for example, if plugged into a socket in the garage the lamp can be used in the garden.*



2. INSTALLATION

INDEX INSTALLATION

2.1 WIRING 585

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WIRING





WIRING

UNION SERIES
Cable glands and accessories for cabling
p. 588



TIES SERIES
Self-locking plastic ties
p. 592



CABLO SERIES
Cable sheaths
p. 594



FASTY SERIES
Cable clips and insulated nails
p. 595



RAILDIN SERIES
Metallic DIN rails
p. 596





UNION Series

UNION is a complete range of cable glands, couplers, cable sleeves and screw cap in thermoplastic material, indispensable for the correct installation of enclosures, whether they are boards or junction boxes.

The cable glands offer IP68 protection degrees and are also equipped with an anti-twist off and anti-rip feature.

technical sheet **p. 868**

ANTI-TEAR CABLE GLANDS HEAVY DUTY >> WITH NUT, WITHOUT DIAPHRAM



IP: IP68/IP69

Thread	Type	For cable diameter	Colour	Code	
M12X1,5	HEAVY DUTY	ø3-6		**805.5112**	50/600
M16X1,5	HEAVY DUTY	ø4-8		**805.5116**	50/600
M20X1,5	HEAVY DUTY	ø7-12		**805.5120**	25/500
M25X1,5	HEAVY DUTY	ø13-18		**805.5125**	25/400
M32X1,5	HEAVY DUTY	ø18-25		**805.5132**	25/350
M40X1,5	HEAVY DUTY	ø22-32		**805.5140**	10/140
M50X1,5	HEAVY DUTY	ø30-38		**805.5150**	10/100
M63X1,5	HEAVY DUTY	ø34-44		**805.5163**	10/100
PG7	HEAVY DUTY	ø3-6		**805.3140**	50/600
PG9	HEAVY DUTY	ø4-8		**805.3141**	50/600
PG11	HEAVY DUTY	ø5-10		**805.3142**	25/500
PG13,5	HEAVY DUTY	ø7-12		**805.3143**	25/500
PG16	HEAVY DUTY	ø10-14		**805.3144**	25/300
PG21	HEAVY DUTY	ø13-18		**805.3145**	25/400
PG29	HEAVY DUTY	ø18-25		**805.3146**	25/350
PG36	HEAVY DUTY	ø22-32		**805.3147**	10/140
PG42	HEAVY DUTY	ø30-38		**805.3148**	10/100
PG48	HEAVY DUTY	ø34-44		**805.3149**	10/100

Fixing type A.
IP68 at 1 Bar pressure.

ANTI-TEAR CABLE GLANDS LIGHT >> WITH NUT, WITHOUT DIAPHRAM



IP: IP68

Thread	Type	For cable diameter	Colour	Code	
M12X1,5	LIGHT	ø3-6		**805.5412**	50/600
M16X1,5	LIGHT	ø4-8		**805.5416**	50/600
M20X1,5	LIGHT	ø7-12		**805.5420**	25/600
M25X1,5	LIGHT	ø13-18		**805.5425**	25/500
M32X1,5	LIGHT	ø18-25		**805.5432**	25/350
M40X1,5	LIGHT	ø22-32		**805.5440**	10/140
M50X1,5	LIGHT	ø30-38		**805.5450**	10/100
M63X1,5	LIGHT	ø34-44		**805.5463**	10/100
PG7	LIGHT	ø3-6		**805.3340**	50/600
PG9	LIGHT	ø4-8		**805.3341**	50/600
PG11	LIGHT	ø5-10		**805.3342**	25/500
PG13,5	LIGHT	ø7-12		**805.3343**	25/600
PG16	LIGHT	ø10-14		**805.3344**	25/300
PG21	LIGHT	ø13-18		**805.3345**	25/500
PG29	LIGHT	ø18-25		**805.3346**	25/350
PG36	LIGHT	ø22-32		**805.3347**	10/140
PG42	LIGHT	ø30-38		**805.3348**	10/100
PG48	LIGHT	ø34-44		**805.3349**	10/100

Cable glands are provided without gasket.
IP68 at 1 BAR pressure.

ANTI-TEAR CABLE GLANDS LIGHT >> WITH NUT AND DIAPHRAM



IP: IP68

Thread	Type	For cable diameter	Colour	Code	
M12X1,5	LIGHT	ø3-6		**805.5412.1**	50/600
M16X1,5	LIGHT	ø4-8		**805.5416.1**	50/600
M20X1,5	LIGHT	ø7-12		**805.5420.1**	25/600
M25X1,5	LIGHT	ø13-18		**805.5425.1**	25/400
M32X1,5	LIGHT	ø18-25		**805.5432.1**	25/350
M40X1,5	LIGHT	ø22-32		**805.5440.1**	10/140
M50X1,5	LIGHT	ø30-38		**805.5450.1**	10/100
M63X1,5	LIGHT	ø34-44		**805.5463.1**	10/100
PG7	LIGHT	ø3-6		**805.3340.1**	50/600
PG9	LIGHT	ø4-8		**805.3341.1**	50/600
PG11	LIGHT	ø5-10		**805.3342.1**	25/600
PG13,5	LIGHT	ø7-12		**805.3343.1**	25/600
PG16	LIGHT	ø10-14		**805.3344.1**	25/300
PG21	LIGHT	ø13-18		**805.3345.1**	25/500
PG29	LIGHT	ø18-25		**805.3346.1**	25/350
PG36	LIGHT	ø22-32		**805.3347.1**	10/140
PG42	LIGHT	ø30-38		**805.3348.1**	10/100
PG48	LIGHT	ø34-44		**805.3349.1**	10/100

NUTS LIGHT



Thread	Type	Colour	Code	
M12X1,5	LIGHT		**805.5612**	100/1.000
M16X1,5	LIGHT		**805.5616**	100/1.000
M20X1,5	LIGHT		**805.5620**	100/1.000
M25X1,5	LIGHT		**805.5625**	100/1.000
M32X1,5	LIGHT		**805.5632**	50/500
M40X1,5	LIGHT		**805.5640**	50/500
M50X1,5	LIGHT		**805.5650**	50/500
M63X1,5	LIGHT		**805.5663**	50/500
PG7	LIGHT		**805.3360**	100/1.000
PG9	LIGHT		**805.3361**	100/1.000
PG11	LIGHT		**805.3362**	100/1.000
PG13,5	LIGHT		**805.3363**	100/1.000
PG16	LIGHT		**805.3364**	100/1.000
PG21	LIGHT		**805.3365**	100/1.000
PG29	LIGHT		**805.3366**	50/500
PG36	LIGHT		**805.3367**	50/500
PG42	LIGHT		**805.3368**	50/500
PG48	LIGHT		**805.3369**	50/500

SEALS - THERMOPLASTIC



Thread	Type	Colour	Code	
M12X1,5	LIGHT		**805.5912**	100/1.000
M16X1,5	LIGHT		**805.5916**	100/1.000
M20X1,5	LIGHT		**805.5920**	100/1.000
M25X1,5	LIGHT		**805.5925**	100/1.000
M32X1,5	LIGHT		**805.5932**	100/1.000
M40X1,5	LIGHT		**805.5940**	50/500
M50X1,5	LIGHT		**805.5950**	50/500
M63X1,5	LIGHT		**805.5963**	50/500
PG7	LIGHT		**805.3390**	100/1.000
PG9	LIGHT		**805.3391**	100/1.000
PG11	LIGHT		**805.3392**	100/1.000
PG13,5	LIGHT		**805.3393**	100/1.000
PG16	LIGHT		**805.3394**	100/1.000
PG21	LIGHT		**805.3395**	100/1.000
PG29	LIGHT		**805.3396**	50/500
PG36	LIGHT		**805.3397**	50/500
PG42	LIGHT		**805.3398**	50/500
PG48	LIGHT		**805.3399**	50/500

SCREW CAPS



Thread	Type	Colour	Code	
M12X1,5	LIGHT		**805.5812**	100/1.000
M16X1,5	LIGHT		**805.5816**	100/1.000
M20X1,5	LIGHT		**805.5820**	100/1.000
M25X1,5	LIGHT		**805.5825**	100/1.000
M32X1,5	LIGHT		**805.5832**	50/500
M40X1,5	LIGHT		**805.5840**	25/250
M50X1,5	LIGHT		**805.5850**	25/250
M63X1,5	LIGHT		**805.5863**	25/250
PG7	LIGHT		**805.3380**	100/1.000
PG9	LIGHT		**805.3381**	100/1.000
PG11	LIGHT		**805.3382**	100/1.000
PG13,5	LIGHT		**805.3383**	100/1.000
PG16	LIGHT		**805.3384**	100/1.000
PG21	LIGHT		**805.3385**	100/1.000
PG29	LIGHT		**805.3386**	50/500
PG36	LIGHT		**805.3387**	25/250
PG42	LIGHT		**805.3388**	25/250
PG48	LIGHT		**805.3389**	25/250

Without nut.

COUPLERS - IP66



Thread	Type	Colour	Code	
M25X1,5	LIGHT		**805.5225**	10/50
M40X1,5	LIGHT		**805.5240**	5/25
PG16	LIGHT		**805.3334**	10/50
PG21	LIGHT		**805.3335**	10/50
PG29	LIGHT		**805.3336**	10/50
PG36	LIGHT		**805.3337**	5/25

IP: IP66

CABLE SLEEVES >> CABLE SLEEVES (5 CIRCLES) - IP55 - RUBBER



Thread	Colour	Code	
PG16		**805.3304**	100/1.000
PG21		**805.3305**	100/1.000
PG29		**805.3306**	50/500
PG36		**805.3307**	25/200

SCABOX - CUBIK - CUBOX Series type.

IP: IP55

CABLE SLEEVES >> CABLE SLEEVES (INSULATING PERFORATION) - IP55 - RUBBER



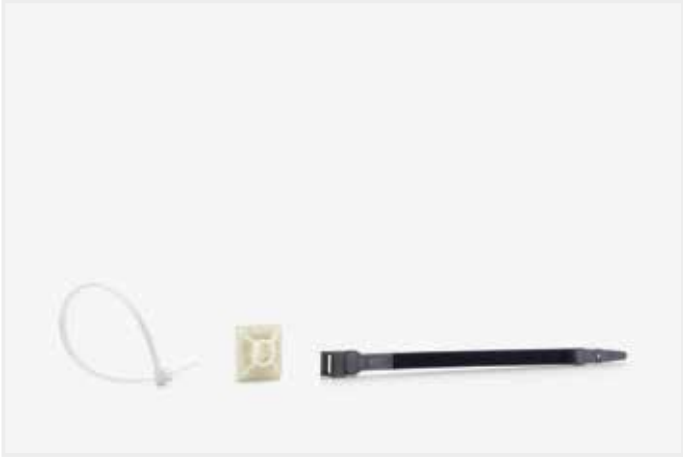
Thread	Colour	Code	
PG16		**805.3324**	100/1.000
PG21		**805.3325**	100/1.000

IP: IP55

CABLE SLEEVES >> THREADED CABLE SLEEVE



Description	IP	Thread	Colour	Code	
THREADED CABLE SLEEVE	IP55	M20X1,5		**805.5020**	100/1.000
	IP55	M25X1,5		**805.5025**	100/1.000
	IP55	M32X1,5		**805.5032**	100/1.000



TIES Series

TIES is a series of self-locking cable ties available in a wide range of sizes. Made of self-extinguishing technopolymer for indoor and RILSAN® material for outdoor installation, they allow to tighten the wiring into the panels and the pipes in the plants.

technical sheet **p. 866**

FOR INDOOR WIRING

Dimensions	Clamping diameter	Traction resistance	WHITE		BLACK	
12,5x500mm	143mm	110kg	**839.48500**	1.000	**839.58500**	1.000
12,5x720mm	213mm	110kg	**839.48720**	600	**839.58720**	600
12,5x850mm	255mm	110kg	**839.48850**	600	**839.58850**	600
2,5x135mm	32mm	8,16kg	**839.42120**	12.000	**839.52120**	12.000
2,5x98mm	21mm	8,16kg	**839.42100**	15.000	**839.52100**	15.000
2,6x160mm	40mm	8,16kg	**839.42160**	10.000	**839.52160**	10.000
2,6x200mm	52mm	8,16kg	**839.42200**	8.000	**839.52200**	8.000
3,5x140mm	32mm	18,36kg	**839.43140**	7.000	**839.53140**	7.000
3,5x200mm	50mm	18,36kg	**839.43200**	7.000	**839.53200**	7.000
3,5x290mm	80mm	18,36kg	**839.43300**	4.500	**839.53300**	4.500
3,5x370mm	103mm	18,36kg	**839.43370**	4.000	**839.53370**	4.000
4,5x200mm	50mm	22,44kg	**839.44200**	4.000	**839.54200**	4.000
4,5x290mm	78mm	22,44kg	**839.44300**	3.500	**839.54300**	3.500
4,5x360mm	100mm	22,44kg	**839.44370**	3.000	**839.54370**	3.000
4,5x430mm	115mm	22,44kg	**839.44430**	5.000	**839.54430**	5.000
4,8x178mm	45mm	22,44kg	**839.44190**	5.000	**839.54190**	5.000
4,8x250mm	68mm	22,44kg	**839.44250**	4.500	**839.54250**	4.500
7,5x240mm	63mm	55,08kg	**839.47240**	2.000	**839.57240**	2.000
7,5x300mm	80mm	55,08kg	**839.47290**	1.500	**839.57290**	1.500
7,5x365mm	100mm	55,08kg	**839.47370**	1.500	**839.57370**	1.500
7,5x450mm	130mm	55,08kg	**839.47450**	2.500	**839.57450**	2.500
7,5x540mm	158mm	55,08kg	**839.47540**	2.000	**839.57540**	2.000
7,5x750mm	220mm	55,08kg	**839.47750**	1.200	**839.57750**	1.200
7,8x180mm	45mm	55,08kg	**839.47200**	2.500	**839.57200**	2.500
9x780mm	233mm	71,4kg	**839.47780**	1.000	**839.57780**	1.000

Good resistance to external agents: oil, grease, oil derivatives, alcohol, saline mist and chlorates.
Colour black: increased resistance to UV rays (not suited for prolonged exposure).
White color: do not withstand UV rays.

FOR OUTDOOR WIRING



Dimensions	Clamping diameter	Traction resistance	BLACK	
6x115mm	5÷25mm	28kg	**839.39/6115**	7.000
6x180mm	9÷45mm	28kg	**839.39/6175**	4.800
9x132mm	8÷27mm	40kg	**839.39/9120**	4.800
9x180mm	10÷38mm	40kg	**839.39/9180**	4.800
9x260mm	25÷63mm	57kg	**839.39/9260**	2.000
9x360mm	25÷93mm	57kg	**839.39/9350**	1.500

Rounded edges to avoid cutting into cable insulation.
Good resistance to external agents: oil, grease, oil derivatives and saline mist.
Withstands UV rays.

PLIER FOR CABLE TIE CLAMPING-TRIMMING



Description	Colour	Code	
PLIER		**839.39/104**	1/20

Made of red stove-enamelled steel.

FASTENING ACCESSORIES FOR CABLE TIES



Description	Dimensions	Code	
SELF-ADESIVE CABLE TIE BASE	28,5x28,5mm	**839.39/100**	6.000

Max. cable tie width: 4.8 mm.



Description	Dimensions	Code	
WALL ANCHOR BASE	7÷8mm	**839.39/101**	5.000



Description	Dimensions	Code	
PANEL CLIP-ON BASE	6,4mm máx	**839.39/102**	17.000

Max. cable tie width: 4.8 mm.

Description	Dimensions	Code	
CABLE TIE BASE ANTI-VIBRATION	15,5x22,5mm	**839.39/103**	5.000

Max. cable tie width: 4.8 mm.



CABLO Series

CABLO is a range of sheaths and spiral sheaths for cable made of insulating plastic material, soft, flexible and resistant. Available in a wide range of diameters in 1m length cuts.

CABLE SHEATHS (1 METER)



Diameter	Colour	Code	
ø2mm	■	**865.002**	200/1.200
ø3mm	■	**865.003**	200/1.000
ø4mm	■	**865.004**	200/1.000
ø5mm	■	**865.005**	200/1.000
ø6mm	□	**865.106**	200/800
ø6mm	■	**865.006**	200/600
ø7mm	■	**865.007**	200/600
ø8mm	■	**865.008**	200/400
ø9mm	■	**865.009**	200/400
ø10mm	■	**865.010**	200/400
ø12mm	■	**865.012**	100/200
ø14mm	■	**865.014**	100/200
ø16mm	■	**865.016**	100/200
ø18mm	■	**865.018**	100/200
ø20mm	■	**865.020**	50/150
ø22mm	■	**865.022**	50/150
ø24mm	■	**865.024**	50/100
ø26mm	■	**865.026**	50/100
ø28mm	■	**865.028**	50/100
ø30mm	■	**865.030**	50/100
ø36mm	■	**865.036**	25/50
ø40mm	■	**865.040**	25/50

Thickness from 0.4 to 1mm.
Made of self-extinguishing, soft and flexible insulated thermoplastic material.

SPIRAL CABLE BINDING (1 METER)



Diameter	Colour	Code	
ø4-6mm	NATURAL	**865.604**	25/600
ø6-8mm	NATURAL	**865.606**	25/500
ø8-10mm	NATURAL	**865.608**	25/400
ø10-12mm	NATURAL	**865.610**	25/200
ø12-14mm	NATURAL	**865.612**	20/160
ø14-16mm	NATURAL	**865.614**	20/120

Made of self-extinguishing, soft and flexible insulated thermoplastic material.



FASTY Series

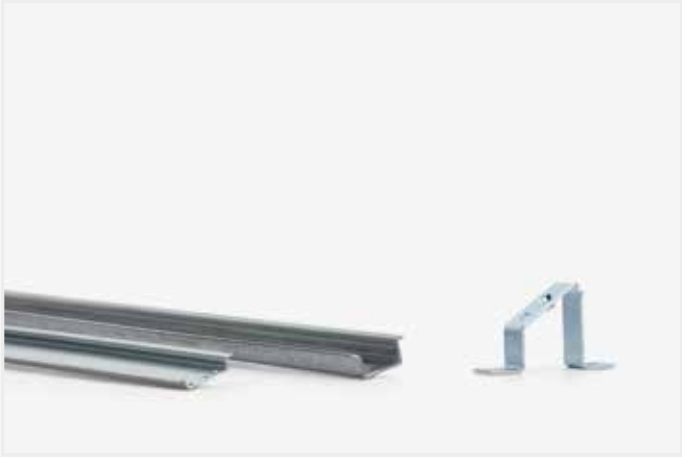
FASTY is a range of cable clips made of thermoplastic material, resistant and reliable thanks to the pre-threaded nail in hardened and nickel-plated steel.

ROUND CLIPS



Colour	Diameter	CLIPS	
WHITE	ø3-4mm	**830.30/3-4**	5.000
	ø5mm	**830.30/5**	5.000
	ø6mm	**830.30/6**	5.000
	ø7mm	**830.30/7**	5.000
	ø8mm	**830.30/8**	5.000
	ø10mm	**830.30/10**	5.000
	ø12mm	**830.30/12**	3.000
GREY	ø3-4mm	**830.30/3-4G**	5.000
	ø5mm	**830.30/5G**	5.000
	ø6mm	**830.30/6G**	5.000
	ø7mm	**830.30/7G**	5.000
	ø8mm	**830.30/8G**	5.000
	ø10mm	**830.30/10G**	5.000
	ø12mm	**830.30/12G**	3.000
	ø14mm	**830.30/14G**	3.000
	ø16mm	**830.30/16G**	3.000
	ø20mm	**830.30/19G**	3.000
	ø22mm	**830.30/22G**	1.000
	ø25mm	**830.30/26G**	1.000

Pre-inserted pins.
Pins made of hardened and nickel-plated steel.
Clips made of thermoplastic material.



RAILDIN Series

RAILDIN is a range of metal DIN rails in cold laminated galvanized steel with slots or drilling point marks. Availble in different heights and with G shaped or OMEGA shaped profile.

G TYPE - 32X15MM (1 METER)

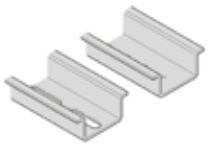


Description	Dimensions	Notes	Code	
DIN RAIL	32x15x1,5mm	Plain DIN rail	**865.210**[1)]	20
	32x15x1,5mm	Slotted DIN rail (18x6,3 - 25)	**865.211**[2)]	20

DIN metallic rails.
Steel rail or mounting modular electrical equipment.
Steel, cold lamination.
Thickness of zinc coating: 8 micron.
Electrolytic zinc coating, followed by passivation and white colouring.
Standard bar length: 2m.

[1)] *Non drilled rail with drilling points provided.*
[2)] *Drilled rail with slots.*

OMEGA TYPE - 35X15MM (1 METER)



Description	Dimensions	Notes	Code	
DIN RAIL	35x15x1,5mm	Plain DIN rail	**865.230**[1)]	20
	35x15x1,5mm	Slotted DIN rail (18x6,3 - 25)	**865.231**[2)]	20

DIN metallic rails.
Steel rail or mounting modular electrical equipment.
Steel, cold lamination.
Thickness of zinc coating: 8 micron.
Electrolytic zinc coating, followed by passivation and white colouring.
Standard bar length: 2m.

[1)] *Non drilled rail with drilling points provided.*
[2)] *Drilled rail with slots.*

OMEGA TYPE - 35X7.5MM (1 METER)

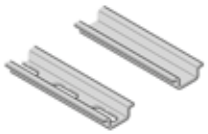


Description	Dimensions	Notes	Code	
DIN RAIL	35x7,5x1mm	Plain DIN rail	**865.220**[1)]	40
	35x7,5x1mm	Slotted DIN rail (18x6,3 - 25)	**865.221**[2)]	40

DIN metallic rails.
Steel rail or mounting modular electrical equipment.
Steel, cold lamination.
Thickness of zinc coating: 8 micron.
Electrolytic zinc coating, followed by passivation and white colouring.
Standard bar length: 2m.

[1)] *Non drilled rail with drilling points provided.*
[2)] *Drilled rail with slots.*

OMEGA TYPE - 15X5.5MM (1 METER)

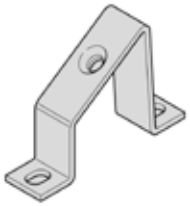


Description	Dimensions	Notes	Code	
DIN RAIL	15x5,5x1mm	Plain DIN rail	**865.240**[1)]	100
	15x5,5x1mm	Slotted DIN rail (18x6,3 - 25)	**865.241**[2)]	100

DIN metallic rails.
Steel rail or mounting modular electrical equipment.
Steel, cold lamination.
Thickness of zinc coating: 8 micron.
Electrolytic zinc coating, followed by passivation and white colouring.
Standard bar length: 2m.

[1)] *Non drilled rail with drilling points provided.*
[2)] *Drilled rail with slots.*

SUPPORT BRACKET



Description	Dimensions	Notes	Code	
SUPPORT BRACKET	60x48x1,8mm	With M6 hole	**865.200**	50/500

Electrolytic zinc coating, followed by passivation and white colouring.







TERMINALS




450V~ 6P T85

TERMINALS

CONNECTO SERIES - TERMINALS p. 602

Terminals for electrical connections



CONNECTO SERIES - TERMINAL BLOCKS p. 604

Terminal blocks for electrical connections





CONNECTO Series - Terminals

CONNECTO is a range of terminals, one or multi ways, made of brass and transparent thermoplastic material resistant to the ambient temperature of 85°C.

The one-way terminals are available in single poles or in 10-pole strips and have cross sections from 1.5 to 16mm².

The multi ways terminals, on the other hand, have 2, 3, 5 and 6 poles and have sections ranging from 6 to 35mm².

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INSULATED WIRE CONNECTORS - T85



Connecting capacity	Current	Volt	Colour	Code	
1,5mm²	17,5A	450		**810.372/TR**	600/6.000
2,5mm²	24A	450		**810.374/TR**	1.000/4.000
4mm²	32A	450		**810.375/TR**	1.000
6mm²	41A	450		**810.376/TR**	1.000
10mm²	57A	450		**810.378/TR**	1.000
16mm²	76A	450		**810.379/TR**	500
25mm²	101A	450		**810.425/TR**	100
35mm²	125A	450		**810.435/TR**	250

INSULATED WIRE CONNECTORS - 10 POLES STRIPS (1 STRIP)



Connecting capacity	Dimensions	Pitch	Colour	Code	
1,5mm²	96mm	9,8mm		**812.372**	10/200
2,5mm²	120mm	12,2mm		**812.374**	10/400
4mm²	120mm	12,2mm		**812.375**	10/400
6mm²	145mm	14,7mm		**812.376**	10/25/200
10mm²	168mm	17mm		**812.378**	10/150
16mm²	211mm	21,3mm		**812.379**	10/60

MULTI-WAY WIRE CONNECTORS - T85 >> 2 WAY



Connecting capacity	Volt	Dimensions	Colour	Code	
2x6mm²	450	23x31x24mm		**817.0602**	25/650
2x16mm²	450	33x28x24mm		**817.1602**	10/270
2x35mm²	450	35x46x30mm		**817.3502**	10/160

Protection degree: IP20.
Cage clamp connectors.
Rated voltage 450V~.
Captive screws.
Self-extinguishing material in compliance with IEC 60695-2-1 standard 850°C.
Engineering plastic casing.
Max. service temperature - continuous duty: 85°C.

MULTI-WAY WIRE CONNECTORS - T85 >> 3 WAY



Connecting capacity	Volt	Dimensions	Colour	Code	
3x6mm²	450	31x31x24mm		**817.0603**	25/400
3x16mm²	450	45x28x24mm		**817.1603**	10/270
3x35mm²	450	49x46x30mm		**817.3503**	10/260

Protection degree: IP20.
Cage clamp connectors.
Rated voltage 450V~.
Captive screws.
Self-extinguishing material in compliance with IEC 60695-2-1 standard 850°C.
Engineering plastic casing.
Max. service temperature - continuous duty: 85°C.

MULTI-WAY WIRE CONNECTORS - T85 >> 5 WAY



Connecting capacity	Volt	Dimensions	Colour	Code	
5x6mm²	450	49x31x24mm		**817.0605**	10/270
5x16mm²	450	71x38x24mm		**817.1605**	10/260

Protection degree: IP20.
Cage clamp connectors.
Rated voltage 450V~.
Captive screws.
Self-extinguishing material in compliance with IEC 60695-2-1 standard 850°C.
Engineering plastic casing.
Max. service temperature - continuous duty: 85°C.

MULTI-WAY WIRE CONNECTORS - T85 >> 6 WAY



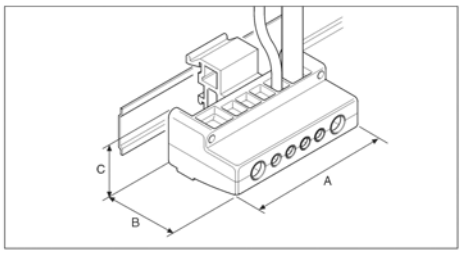
Connecting capacity	Volt	Dimensions	Colour	Code	
4x6mm²	450	66x38x24mm		**817.1606C**	10/260
4x16mm²	450	83x46x30mm		**817.3506C**	10/120

Protection degree: IP20.
Cage clamp connectors.
Rated voltage 450V~.
Captive screws.
Self-extinguishing material in compliance with IEC 60695-2-1 standard 850°C.
Engineering plastic casing.
Max. service temperature - continuous duty: 85°C.

MULTI-WAY WIRE CONNECTORS - T85 >> ACCESSORIES



Description	Colour	Code	
DIN RAIL BRACKET		**817.001**	10/500



DIN rail bracket
The bracket for the DIN rail is the same for all versions of the multi-way wire connectors and is designed for spring-fixing onto the rail "OMEGA" and "G". It is detached from the rail by using a screw-driver.



CONNECTO Series - Terminal blocks

CONNECTO is a range of terminal blocks made of nickel plated brass and thermoplastic material resistant to high ambient temperatures.

The terminal blocks have sections from 2.5 to 35mm² and are divided into T85 and T140, based on their heat resistance.

The T85 resist continuously the maximum ambient temperature of 85°C, while the T140 resist continuously the maximum ambient temperature of 140°C.

technical sheet **p. 870**

T85 TERMINAL STRIPS



Connecting capacity	Volt	Dimensions	Pitch	Colour	Code	
2,5mm²	250	95,5x15,5x16mm	8mm	▭	**815.2361B**	50/800
	250	95,5x15,5x16mm	8mm	■	**815.2361**	50/800
4mm²	450	120x16,6x17,4mm	10mm	▭	**815.2362B**	50/400
	450	120x16,6x17,4mm	10mm	■	**815.2362**	50/400
6mm²	450	120x16,6x17,4mm	10mm	▭	**815.23625B**	50/400
	450	120x16,6x17,4mm	10mm	■	**815.23625**	50/400
10mm²	450	138x23,5x20,5mm	11,5mm	▭	**815.2363B**	25/300
	450	138x23,5x20,5mm	11,5mm	■	**815.2363**	25/300
16mm²	450	174x30x24mm	14,5mm	▭	**815.2364B**	25/150
	450	174x30x24mm	14,5mm	■	**815.2364**	25/150
25mm²	750	210x38x36mm	17,5mm	▭	**815.2365B**	15/60
	750	210x38x36mm	17,5mm	■	**815.2365**	15/60
35mm²	750	264x46x39mm	22mm	▭	**815.2366B**	10/40
	750	264x46x39mm	22mm	■	**815.2366**	10/40

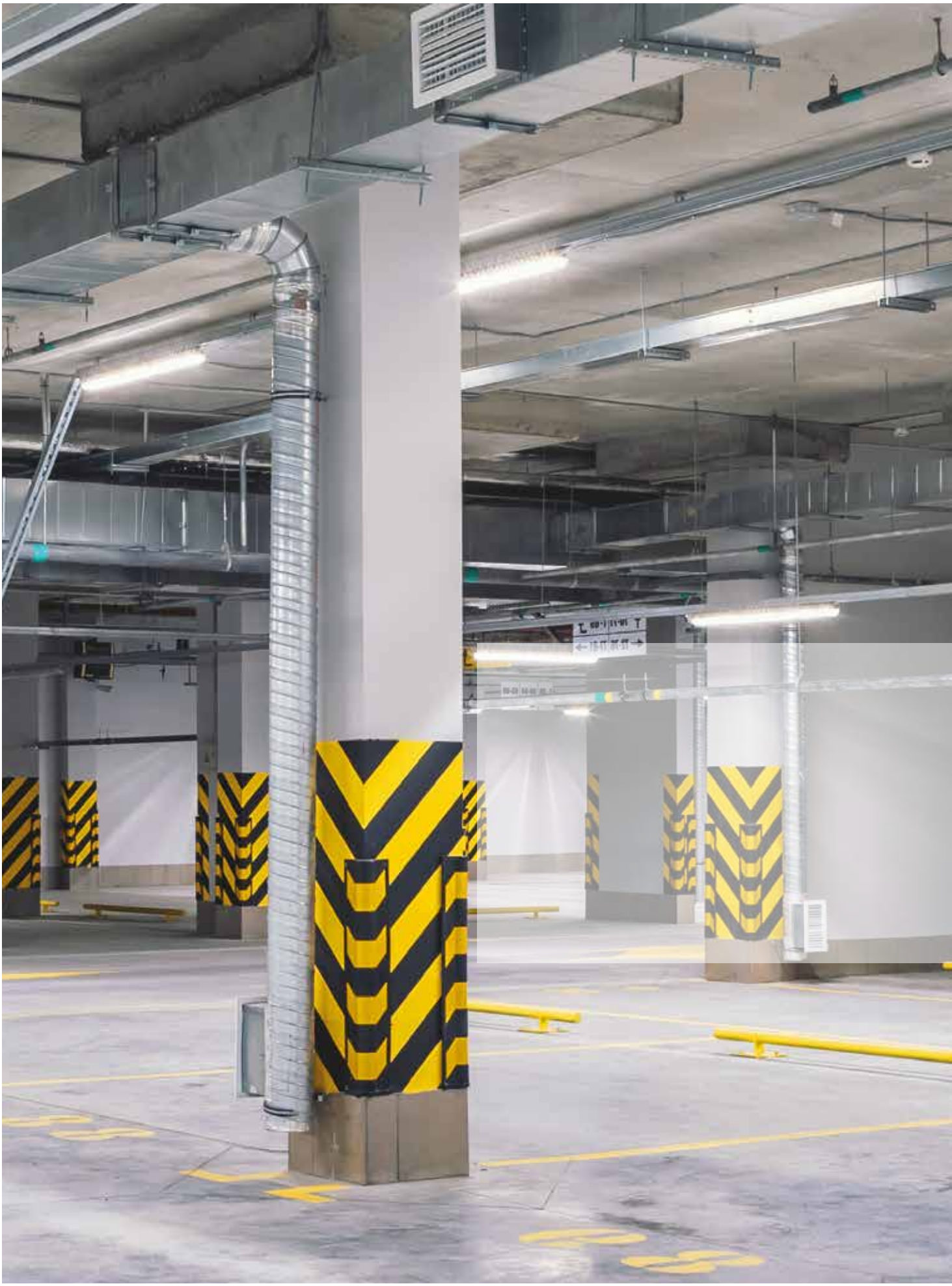
Self-extinguishing material in compliance with IEC 60695-2-1 standard 850°C.
Engineering plastic casing.
Max. service temperature - continuous duty: 85°C.
Nickel-plated brass terminal.
12 poles.
Captive screws of zinc-plated steel.

T140 TERMINAL STRIPS



Connecting capacity	Volt	Dimensions	Pitch	Colour	Code	
2,5mm²	250	95,5x15,5x16mm	8mm	NATURAL	**815.1361**	50/800
4mm²	450	120x16,6x17,4mm	10mm	NATURAL	**815.1362**	50/400
6mm²	450	120x16,6x17,4mm	10mm	NATURAL	**815.13625**	50/400
10mm²	450	138x23,5x20,5mm	11,5mm	NATURAL	**815.1363**	25/300
16mm²	450	174x30x24mm	14,5mm	NATURAL	**815.1364**	25/150
25mm²	750	210x38x36mm	17,5mm	NATURAL	**815.1365**	15/60
35mm²	750	264x46x39mm	22mm	NATURAL	**815.1366**	10/40

Self-extinguishing material in compliance with IEC 60695-2-1 standard 850°C.
Engineering plastic casing.
Nickel-plated brass terminal.
12 poles.
Captive screws of zinc-plated steel.
Max. service temperature - continuous duty: 140°C.







CONDUITS ACCESSORIES



CONDUITS ACCESSORIES

FIXER SERIES
p. 610

Fasteners for cable conduits



TUBE SERIES
p. 613

Connecting elements for cable conduits



SMART SERIES
p. 615

Connecting elements with coinjected gasket for cable conduits





FIXER Series

FIXER is a range of fasteners for cable conduits made of self-extinguishing thermoplastic material or stainless stell. Available in different diameters they provide a strong fastening for tubular elements.

technical sheet **p. 872**

MADE OF SELF-EXTINGUISHING THERMOPLASTIC MATERIAL >> SNAP CLIP



Description	Diameter	Colour	Code	
SNAP CLIPS	ø16mm		**860.1316/G**	100/1.000
	ø20mm		**860.1320/G**	100/1.000
	ø25mm		**860.1325/G**	100/800
	ø32mm		**860.1332/G**	100/800
	ø40mm		**860.1340/G**	50/400
	ø50mm		**860.1350/G**	25/250

MADE OF SELF-EXTINGUISHING THERMOPLASTIC MATERIAL >> COLLAR CLIP



Description	Diameter	Colour	Code	
COLLAR CLIPS	ø16mm		**860.1516**	100/1.000
	ø20mm		**860.1520**	100/1.000
	ø25mm		**860.1525**	100/800
	ø32mm		**860.1532**	50/500
	ø40mm		**860.1540**	50/400
	ø50mm		**860.1550**	25/250

MADE OF SELF-EXTINGUISHING THERMOPLASTIC MATERIAL >> SNAP CLIP WITH PLUG AND SCREW



Description	Diameter	Colour	Code	
SNAP CLIPS W/PLUG & SCREW	ø16mm		**860.2016**	100/1.000
	ø20mm		**860.2020**	100/1.000
	ø25mm		**860.2025**	100/800
	ø32mm		**860.2032**	50/400

Screws made of zinc-plated steel.

MADE OF SELF-EXTINGUISHING THERMOPLASTIC MATERIAL >> TIES CLIPS



Description	Diameter	Colour	Code	
COLLAR CLIPS	ø13-32mm		**860.1616**	100/1.000
	ø40-63mm		**860.1640**	100/500

MADE OF SELF-EXTINGUISHING THERMOPLASTIC MATERIAL >> PRESSURE CLIPS



Description	Diameter	Colour	Code	
PRESSURE CLIPS	ø13-21mm		**860.01620**	100/1.200
	ø24-34mm		**860.02532**	50/600
	ø38-50mm		**860.04050**	40/320

MADE OF ZINC-BICHROMATE STEEL >> SPACER BRACKET



Description	Diameter	Code	
COLLAR	ø10-11mm	**820.610**	100/1.000
	ø12-13mm	**820.612**	100/1.000
	ø14-15mm	**820.614**	100/1.000
	ø16-17mm	**820.616**	100/1.000
	ø19-20mm	**820.620**	100/1.000
	ø21-22mm	**820.622**	100/1.000
	ø25-26mm	**820.625**	100/1.000
	ø28-29mm	**820.628**	100/1.000
	ø31-32mm	**820.632**	100/1.000
	ø38-40mm	**820.640**	100/1.000
	ø48-50mm	**820.650**	50/400

Electrolytic zinc coating, followed by passivation and white colouring.
Made of zinc-plated steel.
With M6 threaded base.

MADE OF ZINC-BICHROMATE STEEL >> HALF-SADDLE - STANDARD TYPE



Description	Diameter	Code	
CLIPS	ø10-11mm	**820.710**	200/1.000
	ø12-13mm	**820.712**	200/1.000
	ø14-15mm	**820.714**	200/1.000
	ø16-17mm	**820.716**	100/1.000
	ø19-20mm	**820.720**	100/1.000
	ø21-22mm	**820.722**	100/1.000
	ø25-26mm	**820.725**	100/1.000

Electrolytic zinc coating, followed by passivation and white colouring.
Made of zinc-plated steel.

MADE OF ZINC-BICHROMATE STEEL >> HALF-SADDLE - HEAVY DUTY TYPE



Description	Diameter	Code	
CLIPS	ø10-11mm	**820.710/P**	100/1.000
	ø12-13mm	**820.712/P**	100/1.000
	ø14-15mm	**820.714/P**	100/1.000
	ø16-17mm	**820.716/P**	100/1.000
	ø19-20mm	**820.720/P**	100/1.000
	ø21-22mm	**820.722/P**	100/1.000
	ø25-26mm	**820.725/P**	100/1.000
	ø31-32mm	**820.732/P**	100/1.000
	ø38-40mm	**820.740/P**	100/500
	ø48-50mm	**820.750/P**	50/500

Electrolytic zinc coating, followed by passivation and white colouring.
Made of zinc-plated steel.

MADE OF ZINC-BICHROMATE STEEL >> SADDLE



Description	Diameter	Code	
SADDLE	ø10-11mm	**820.810**	100/1.000
	ø12-13mm	**820.813**	100/1.000
	ø16-17mm	**820.816**	100/1.000
	ø19-20mm	**820.819**	100/1.000
	ø21-22mm	**820.822**	100/1.000
	ø25-26mm	**820.826**	100/1.000
	ø28-29mm	**820.828**	100/1.000
	ø31-32mm	**820.832**	100/1.000
	ø38-40mm	**820.838**	100/1.000
	ø48-50mm	**820.850**	50/500

Electrolytic zinc coating, followed by passivation and white colouring.
Made of zinc-plated steel.



TUBE Series

TUBE is a range of conduit accessories available in different diameters and IP40 degree of protection.

technical sheet **p. 874**

IP40 >> INSPECTIONABLE BEND



Description	Diameter	Colour	Code	
INSPECTIONABLE BEND	ø16mm		**860.1116/G**	50/800
	ø20mm		**860.1120/G**	50/600
	ø25mm		**860.1125/G**	50/400
	ø32mm		**860.1132/G**	25/200

IP: IP40

IP40 >> INSPECTIONABLE "T"



Description	Diameter	Colour	Code	
INSPECTIONABLE "T" COUPLING CONDUIT	ø16mm		**860.1216/G**	50/600
	ø20mm		**860.1220/G**	50/400
	ø25mm		**860.1225/G**	25/300
	ø32mm		**860.1232/G**	20/160

IP: IP40

IP40 >> BEND WITH TWO COUPLINGS



Description	Diameter	Colour	Code	
BEND WITH TWO COUPLINGS	ø16mm		**862.916/G**	50/800
	ø20mm		**862.920/G**	50/400
	ø25mm		**862.925/G**	25/200
	ø32mm		**862.932/G**	25/150
	ø40mm		**862.940/G**	15/60
	ø50mm		**862.950/G**	10/40

IP: IP40

IP40 >> RIGID CONDUITS COUPLING



Description	Diameter	Colour	Code	
CONDUIT COUPLING	ø16mm		**862.1016/G**	100/1.200
	ø20mm		**862.1020/G**	100/800
	ø25mm		**862.1025/G**	50/600
	ø32mm		**862.1032/G**	25/300
	ø40mm		**862.1040/G**	20/160
	ø50mm		**862.1050/G**	20/120

IP: IP40

IP40 >> CORRUGATED CONDUITS COUPLING



Description	Diameter	Colour	Code	
CONDUIT COUPLING	ø16mm		**862.1916**	100/2.000
	ø20mm		**862.1920**	100/1.200
	ø25mm		**862.1925**	50/700
	ø32mm		**862.1932**	25/400
	ø40mm		**862.1940**	300
	ø50mm		**862.1950**	150

IP: IP40



SMART Series

SMART is a complete range of conduit accessories made of technopolymer with the particularity of having the co-mouldedgasket. This guarantees an IP66/IP67 degree of protection and an easier installation without the risk of flatten or deforming the gasket.

technical sheet **p. 873**

BEND WITH TWO COUPLINGS



Description	Diameter	Colour	Code	
BEND WITH TWO COUPLINGS	ø16mm		**866.216**	10/200
	ø20mm		**866.220**	10/200
	ø25mm		**866.225**	10/160
	ø32mm		**866.232**	10/100
	ø40mm		**866.240**	5/50
	ø50mm		**866.250**	5/30

IP: IP66/IP67

CONDUIT COUPLING



Description	Diameter	Colour	Code	
JOINT COVER	ø16mm		**866.316**	10/250
	ø20mm		**866.320**	10/200
	ø25mm		**866.325**	10/160
	ø32mm		**866.332**	10/100
	ø40mm		**866.340**	5/50
	ø50mm		**866.350**	5/30

IP: IP66/IP67

CONDUIT TO BOX COUPLINGS



Description	Diameter	Thread	Colour	Code	
CONDUIT COUPLING	ø16mm	M16		**866.516**	10/340
	ø20mm	M20		**866.520**	10/340
	ø25mm	M25		**866.525**	10/240
	ø32mm	M32		**866.532**	10/100
	ø40mm	M40		**866.540**	5/70
	ø50mm	M50		**866.550**	5/50

IP: IP66/IP67

SHEATH TO BOX COUPLINGS



Description	Thread	Sheath	Colour	Code	
CONDUIT COUPLING	M16X1,5	ø10mm		**866.651**	10/600
	M16X1,5	ø12mm		**866.653**	10/600
	M20X1,5	ø16mm		**866.655**	10/400
	M25X1,5	ø20mm		**866.657**	10/300
	M32X1,5	ø25mm		**866.659**	10/220
	M40X1,5	ø32mm		**866.661**	5/130
	M50X1,5	ø40mm		**866.663**	5/170
	M63X1,5	ø50mm		**866.665**	5/110

IP: IP65

Supplied complete with threaded lock nut and relative seal.

CONDUIT TO SHEATH COUPLINGS



Description	Diameter	Sheath	Colour	Code	
CONDUIT COUPLING	ø16mm	ø16mm		**866.816**	10/240
	ø20mm	ø20mm		**866.820**	10/260
	ø20mm	ø16mm		**866.720**	10/240
	ø25mm	ø26mm		**866.825**	10/200
	ø25mm	ø20mm		**866.725**	10/200
	ø32mm	ø32mm		**866.832**	10/100
	ø40mm	ø40mm		**866.840**	5/60
	ø50mm	ø50mm		**866.850**	5/40

IP: IP66

FLEXIBLE BEND



Description	Diameter	Colour	Code	
FLEXIBLE BEND	ø16mm		**866.2016**	100
	ø20mm		**866.2020**	70
	ø25mm		**866.2025**	80
	ø32mm		**866.2032**	50
	ø40mm		**866.2040**	30
	ø50mm		**866.2050**	15

The internal seal ensures IP65 protection even in the case of dilation due to temperature changes.
Made of rigid, insulated, self-extinguishing and impact-resistant thermoplastic material.

IP: IP66

FLEXIBLE COUPLING FOR CONNECTION RIGID TUBE

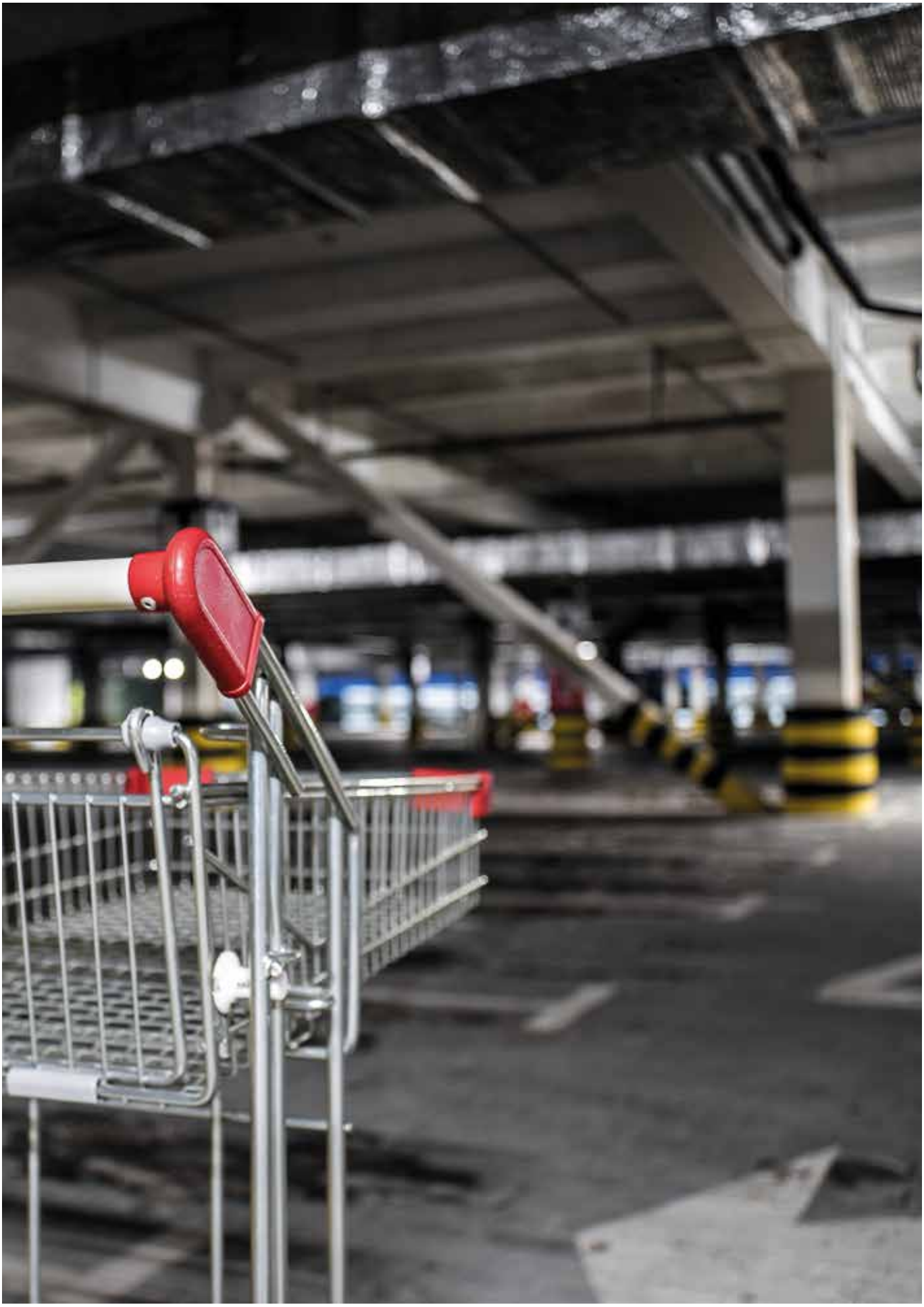


Description	Thread	Diameter	Colour	Code	
FLEXIBLE BEND	M20X1,5	ø16mm		**866.9016**	100
	M25X1,5	ø20mm		**866.9020**	70
	M32X1,5	ø25mm		**866.9025**	80
	M40X1,5	ø32mm		**866.9032**	50
	M50X1,5	ø40mm		**866.9040**	30
	M63X1,5	ø50mm		**866.9050**	25

Supplied complete with threaded lock nut and relative seal.
The internal seal ensures IP65 protection even in the case of dilation due to temperature changes.

IP: IP65

Applications examples

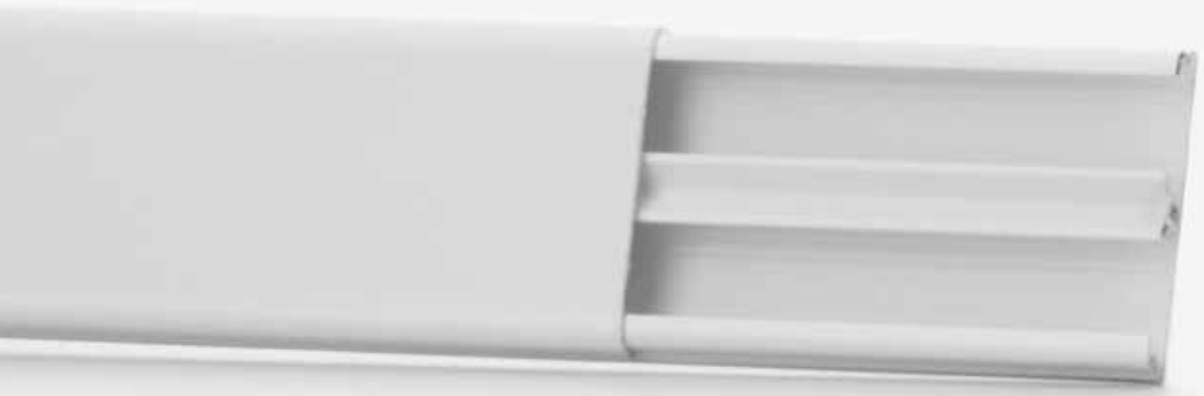








TRUNKING



TRUNKING

WADO SERIES - MINI-TRUNKING p. 622

Cable trunking system



WADO SERIES - SLOTTED CABLE TRUNKING p. 626

Slotted cable trunking system





WADO Series - Mini-trunking

WADO is a complete range of mini-trunking and wiring trunking ideal for applications in the tertiary sector, where the wide availability of sizes and accessories allows flexible configurations able to meet any need.

technical sheet **p. 876**

ADHESIVE MINI-TRUNKING >> EQUIPPED WITH HINGED COVERAGE (1 METER)



Dimensions	Number of compartments	Colour	Code	
12x12mm	1 WAY		**876.1212AD**	90/4.410
12x7mm	1 WAY		**876.1207AD**	160/7.840
16x12mm	1 WAY		**876.1612AD**	70/3.430

Standard bar length: 2m.
Mounting: wall or ceiling.
Can be removed without any tool.

MINI-TRUNKING >> STANDARD LID (1 METER)



Dimensions	Number of compartments	Colour	Code	
20x10mm	1 WAY		**876.2010**	80/3.920
20x15mm	1 WAY		**876.2015**	50/2.450
30x15mm	1 WAY		**876.3015**	60/1.800
40x10mm	2 WAYS		**876.4010**	72
40x15mm	2 WAYS		**876.4015**	48/1.440
40x20mm	1 WAY		**876.4021**	36/1.080
40x20mm	2 WAYS		**876.4020**	36/84/1.080
60x20mm	3 WAYS		**876.6020**	32/640

Standard bar length: 2m.

MINI-TRUNKING >> ENVELOPING LID (1 METER)



Dimensions	Number of compartments	Colour	Code	
20x15mm	1 WAY		**876.2015AV**	50/2.450
30x15mm	1 WAY		**876.3015AV**	60/1.800
40x15mm	2 WAYS		**876.4015AV**	48/1.440
40x20mm	2 WAYS		**876.4020AV**	36/84/1.080
60x20mm	3 WAYS		**876.6020AV**	32/640

Standard bar length: 2m.

ACCESSORIES >> FLAT ANGLE

Dimensions	Number of compartments	Colour	Code	
20x10mm	1 WAY		**876.AP2010**	30
20x15mm	1 WAY		**876.AP2015**	30
30x15mm	1 WAY		**876.AP3015**	30
40x10mm	2 WAYS		**876.AP4010**	30
40x15mm	2 WAYS		**876.AP4015**	30
40x20mm	2 WAYS		**876.AP4020**	30
60x20mm	3 WAYS		**876.AP6020**	30

ACCESSORIES >> INTERNAL ANGLE



Dimensions	Number of compartments	Colour	Code	
20x10mm	1 WAY		**876.AI2010**	30
20x15mm	1 WAY		**876.AI2015**	30
30x15mm	1 WAY		**876.AI3015**	30
40x10mm	2 WAYS		**876.AI4010**	30
40x15mm	2 WAYS		**876.AI4015**	30
40x20mm	2 WAYS		**876.AI4020**	30
60x20mm	3 WAYS		**876.AI6020**	30

ACCESSORIES >> EXTERNAL ANGLE



Dimensions	Number of compartments	Colour	Code	
20x10mm	1 WAY		**876.AE2010**	30
20x15mm	1 WAY		**876.AE2015**	30
30x15mm	1 WAY		**876.AE3015**	30
40x10mm	2 WAYS		**876.AE4010**	30
40x15mm	2 WAYS		**876.AE4015**	30
40x20mm	2 WAYS		**876.AE4020**	30
60x20mm	3 WAYS		**876.AE6020**	30

ACCESSORIES >> END ADAPTOR



Dimensions	Number of compartments	Colour	Code	
20x10mm	1 WAY		**876.AT2010**	30
20x15mm	1 WAY		**876.AT2015**	30
30x15mm	1 WAY		**876.AT3015**	30
40x10mm	2 WAYS		**876.AT4010**	30
40x15mm	2 WAYS		**876.AT4015**	30
40x20mm	2 WAYS		**876.AT4020**	30
60x20mm	3 WAYS		**876.AT6020**	30

ACCESSORIES >> SIDE ADAPTOR



Dimensions	Number of compartments	Colour	Code	
20x10mm	1 WAY		**876.AL2010**	30
20x15mm	1 WAY		**876.AL2015**	30
30x15mm	1 WAY		**876.AL3015**	30
40x10mm	1 WAY		**876.AL4010**	30
40x15mm	1 WAY		**876.AL4015**	30
40x20mm	1 WAY		**876.AL4020**	30
60x20mm	1 WAY		**876.AL6020**	30

ACCESSORIES >> FLAT TEE

Dimensions	Number of compartments	Colour	Code	
20x10mm	1 WAY		**876.GT2010**	30
20x15mm	1 WAY		**876.GT2015**	30
30x15mm	1 WAY		**876.GT3015**	30
40x10mm	2 WAYS		**876.GT4010**	30
40x15mm	2 WAYS		**876.GT4015**	30
40x20mm	2 WAYS		**876.GT4020**	30
60x20mm	3 WAYS		**876.GT6020**	30

ACCESSORIES >> COVER JOINT



Dimensions	Number of compartments	Colour	Code	
20x10mm	1 WAY		**876.GU2010**	30
20x15mm	1 WAY		**876.GU2015**	30
30x15mm	1 WAY		**876.GU3015**	30
40x10mm	2 WAYS		**876.GU4010**	30
40x15mm	2 WAYS		**876.GU4015**	30
40x20mm	2 WAYS		**876.GU4020**	30
60x20mm	3 WAYS		**876.GU6020**	30

ACCESSORIES >> END CAP



Dimensions	Number of compartments	Colour	Code	
20x10mm	1 WAY		**876.TT2010**	30
20x15mm	1 WAY		**876.TT2015**	30
30x15mm	1 WAY		**876.TT3015**	30
40x10mm	2 WAYS		**876.TT4010**	30
40x15mm	2 WAYS		**876.TT4015**	30
40x20mm	2 WAYS		**876.TT4020**	30
60x20mm	3 WAYS		**876.TT6020**	30

BOXES >> BOX FOR WIRING ACCESSORIES



Dimensions	Wheel-base	Colour	Code	
100x100x35mm	55mm	▭	**876.PA5530** [1]	10
100x100x43mm	60mm	▭	**876.PA6040** [2]	10
100x100x53mm	60mm	▭	**876.PA6050** [2]	10
142x100x43mm	83,5mm	▭	**876.PA8040** [3]	10
142x100x53mm	83,5mm	▭	**876.PA8050** [3]	10

They can be mounted on all WADO series Scame mini-trunking.
When combined to the proper end adaptor (AT) or side adaptor (AL), they allow for quick installation and complete the connection to the mini-trunking; the outcome is an elegant and attractive look, free from any imperfections.

[1] *Suitable for OTEO Series inserts by LEGRAND®.*
[2] *They consist of a base and a lid and can accommodate switch-andplug frames whose distance between centers is 60mm.*
[3] *They consist of a base and a lid and can accommodate switch-andplug frames whose distance between centers is 83.5mm.*

BOXES >> JUNCTION BOX



Dimensions	Colour	Code	
67x67mm	▭	**876.SA70**	10

Compact box of reduced size, equipped with circuit separation accessory.
Ideal to shunt micro raceways up to 40x20mm, it has the same characteristics of PK60 and PK80 boxes.
Steel screw class 4.8 and yellow passivated zinc-plating ≥ 5µ.



WADO Series - Slotted cable trunking

WADO is a complete range of mini-trunking and wiring trunking ideal for applications in the tertiary sector, where the wide availability of sizes and accessories allows flexible configurations able to meet any need.

technical sheet **p. 875**

SHORT PITCH - 4/6/4





Type: SHORT PITCH

Dimensions	Hollow height	Colour	Code	
80x60mm	50mm		**874.R8060**	24
100x60mm	50mm		**874.R0060**	20
100x80mm	68mm		**874.R0080**	16
120x60mm	50mm		**874.R0260**	16
120x80mm	68mm		**874.R0280**	16
25x30mm	23,5mm		**874.R2530**	80
25x40mm	30mm		**874.R2540**	60
25x60mm	50mm		**874.R2560**	40
25x80mm	68mm		**874.R2580**	32
40x40mm	30mm		**874.R4040**	40
40x60mm	50mm		**874.R4060**	36
40x80mm	68mm		**874.R4080**	24
60x40mm	30mm		**874.R6040**	24
60x60mm	50mm		**874.R6060**	24
60x80mm	68mm		**874.R6080**	24
80x40mm	30mm		**874.R8040**	
80x80mm	68mm		**874.R8080**	24

Standard bar length: 2m.



3. DOMESTIC

INDEX DOMESTIC

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DOMESTIC PLUGS AND SOCKETS





DOMESTIC PLUGS AND SOCKETS

BLUELINE SERIES p. 634
Mobile domestic plugs and sockets with external cable sleeve



AZZURRA SERIES p. 636
Mobile domestic plugs and sockets



UNEL SERIES p. 637
Mobile domestic plugs and sockets with side earth



BS SERIES p. 638
British Standard mobile domestic plugs and sockets



QUICK SERIES p. 639
Domestic plugs and connectors with rubber body





BLUELINE Series

BLUELINE is a complete range of mobile domestic plugs and sockets. Resistant electrical plugs and sockets thanks to the bodies in high-performance technopolymer with external cable sleeve and performing thanks to the nickel-plated brass pins.

technical sheet **p. 879**

ADJUSTABLE PLUGS



Current	Poles	Standard	Colour	Code	
10A	2P+E			**106.3002**	50/500
				106.3002/N	50/500
16A	2P+E			**106.3004**	50/500
				106.3004/N	50/500

Sleeved pin.
The plug can become extra flat by orienting the contacts by 90°.

PLUGS WITH STRAIGHT CABLE OUTLET



Current	Poles	Standard	Colour	Code	
10A	2P			**106.3000**	50/500
				106.3000/N	50/500
	2P+E			**106.3001**	50/500
				106.3001/N	50/500
16A	2P+E			**106.3003**	50/500
				106.3003/N	50/500

Sleeved pin.
Individual packing.

FLAT PLUGS WITH 90° ANGLED CABLE OUTLET



Current	Poles	Standard	Colour	Code	
10A	2P+E			**116.68**	100
				116.68/N	100
16A	2P+E			**116.70**	100
				116.70/N	100

Sleeved pin.
Individual packing.

TRAILING SOCKETS WITH STRAIGHT CABLE OUTLET



Current	Poles	Standard	Colour	Code	
10A	2P			**106.3010**	50/500
				106.3010/N	50/500
	2P+E			**106.3011**	50/500
				106.3011/N	50/500
16A	2P+E			**106.3013**	50/500
				106.3013/N	50/500

Individual packing.

Applications examples



Italian standard S10 2P 10A

Italian standard S11 2P+E 10A

Italian standard S17 2P+E 16A

French/German standard 2P+E 16A

German standard 2P+E 16A

Italian standard P10 2P 10A

Italian standard P11 2P+E 10A

Italian standard P17/11 2P+E 16A

Italian standard P30 2P+E 16A

Pluristandard P40 2P+E 16A

German standard 2P+E 16A

DOMESTIC PLUGS AND SOCKETS

AZZURRA Series - UNEL Series



AZZURRA Series

AZZURRA is a complete range of mobile domestic plugs and sockets. Resistant electrical plugs and sockets thanks to the bodies in high-performance technopolymer and performing thanks to the nickel-plated brass pins.

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PLUGS WITH STRAIGHT CABLE OUTLET



Current	Poles	Standard	Colour	Code	
10A	2P			**104.4000**	50/500
				104.4000/N	50/500
	2P+E			**104.4001**	50/500
				104.4001/N	50/500
16A	2P+E			**104.4003**	50/500
				104.4003/N	50/500

Sleeved pin.
Individual packing.

FLAT PLUGS WITH 90° ANGLED CABLE OUTLET



Current	Poles	Standard	Colour	Code	
10A	2P+E			**104.4068**	100
				104.4068/N	100
16A	2P+E			**104.4070**	100
				104.4070/N	100

Sleeved pin.
Individual packing.

TRAILING SOCKETS WITH STRAIGHT CABLE OUTLET



Current	Poles	Standard	Colour	Code	
10A	2P			**104.4010**	50/500
				104.4010/N	50/500
	2P+E			**104.4011**	50/500
				104.4011/N	50/500
16A	2P+E			**104.4013**	50/500
				104.4013/N	50/500

Individual packing.



UNEL Series

UNEL is a range of mobile electrical plugs and sockets for domestic use. Made of technopolymer with nickel-plated brass pins, they are available in Italian, as well as German and French Standards. German sandard version with 90° cable outlet are practical in terms of space saving.

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PLUGS WITH 90° ANGLED CABLE OUTLET



Current	Poles	Standard	Colour	Code	
16A	2P+E			**130.83**	50/500
				130.83/N	50/500

PLUGS WITH 90° ANGLED CABLE OUTLET - SPACE SAVER



Current	Poles	Standard	Colour	Code	
16A	2P+E			**130.2064**	25
				130.2064/N	25

PLUGS WITH STRAIGHT CABLE OUTLET



Current	Poles	Standard	Colour	Code	
16A	2P+E			**130.2063**	50/500
				130.2063/N	50/500

TRAILING SOCKETS WITH STRAIGHT CABLE OUTLET



Current	Poles	Standard	Colour	Code	
16A	2P+E			**130.2084**	25/250
				130.2084/N	25/250
				130.2085	25/250
				130.2085/N	25/250
				130.2083[1)]	25/250
				130.2083/N[1)]	25/250

[1)] *Shutterless socket, subject to normative restrictions or prohibitions in Europe or in other geographical areas. Check the national laws prior to using or installing it.*

DOMESTIC PLUGS AND SOCKETS

BS Series - QUICK Series



BS Series

BS is a range of British Standard mobile domestic plugs and sockets, available as 13A fused or 15A. Resistant and performing electrical plugs and sockets thanks to the bodies in high-performance technopolymer and to the brass pins.

PLUGS WITH STRAIGHT OUTLET



Description	Standard	Current	Poles	Colour	Code	
PLUG		13A	2P+E		**110.3000** [1]	20/400
		15A	2P+E		**110.3010**	20/400

[1] *Fused.*

British standard 2P+E 13A

British standard 2P+E 15A



QUICK Series

QUICK is a range of German and French Standard mobile electrical plugs and sockets with IP44 degree of protection, resistant to impact thanks to the black rubber bodies.

technical sheet **p. 880**

PLUGS WITH STRAIGHT OUTLET



Description	Standard	Current	Poles	Colour	Code	
PLUG		16A	2P+E	■	**110.3100**	10/150

SOCKETS WITH STRAIGHT OUTLET



Description	Standard	Current	Poles	Colour	Code	
CONNECTOR		16A	2P+E	■	**110.3160**	10/150
		16A	2P+E	■	**110.3150**	10/150

French/German standard 2P+E 16A

German standard 2P+E 16A

French standard 2P+E 16A









DOMESTIC ADAPTORS





DOMESTIC ADAPTORS

BLUELINE SERIES

p. 644

Domestic adaptors





BLUELINE Series

BLUELINE is a complete range of adaptors for domestic use, available in single or multiple versions up to 4 sockets, essential for connection needs at home. Space-saving solutions and those equipped with a USB socket for charging mobile phones and tablets are really practical. Reliable and safe products thanks to the use of high-performance technopolymer bodies and nickel-plated brass pins.

technical sheet **p. 882**

ONE-WAY ADAPTORS >> ITALIAN PLUG



Current	Plug	Socket	Max power	Colour	Code	
10A		1x	MAX 1.500W		**146.641**	50
		1x	MAX 1.500W		**146.641/N**	50
16A		1x	MAX 1.500W		**146.651**	50
		1x	MAX 1.500W		**146.651/N**	50

Sleeved pin.
Individual packing.

ONE-WAY ADAPTORS >> ITALIAN PLUG - SPACESAVER



Current	Plug	Socket	Max power	Colour	Code	
10A		1x	MAX 1.500W		**146.661**	50
		1x	MAX 1.500W		**146.661/N**	

Sleeved pin.
Individual packing.

ONE-WAY ADAPTORS >> FRENCH-GERMAN STANDARD PLUG



Current	Plug	Socket	Max power	Colour	Code	
16A		1x	MAX 1.500W		**146.361**	50
		1x	MAX 1.500W		**146.361/N**	50

Individual packing.

MULTI-WAY ADAPTORS >> 3-WAY ADAPTORS



Current	Plug	Socket	Max power	Colour	Code	
10A		3x	MAX 1.500W		**146.555/3** [2]	50
		3x	MAX 1.500W		**146.555/3-N** [2]	50
16A		3x	MAX 1.500W		**146.550/3** [2]	25/250
		3x	MAX 1.500W		**146.550/3-N** [2]	25/250
		3x	MAX 1.500W		**146.540** [1]	6/120
		3x	MAX 1.500W		**146.540/N** [1]	6/120

Individual packing.

[1] *Shutterless socket, subject to normative restrictions or prohibitions in Europe or in other geographical areas. Check the national laws prior to using or installing it.*
[2] *Sleeved pin.*

MULTI-WAY ADAPTORS >> 3-WAY MULTI-STANDARD ADAPTORS



Current	Plug	Socket	Max power	Colour	Code	
10A		1x 2x	MAX 1.500W		**146.557**	25
		1x 2x	MAX 1.500W		**146.557/N**	25
16A		1x 2x	MAX 1.500W		**146.559**	25
		1x 2x	MAX 1.500W		**146.559/N**	25
		2x 1x	MAX 1.500W		**146.570**	25
		2x 1x	MAX 1.500W		**146.570/N**	25
		2x 1x	MAX 1.500W		**146.362**	25
		2x 1x	MAX 1.500W		**146.362/N**	25

Sleeved pin.
Individual packing.

Italian standard S10 2P 10A
Italian standard S11 2P+E 10A
Italian standard S17 2P+E 16A
French/German standard 2P+E 16A
German standard 2P+E 16A

Italian standard P10 2P 10A
Italian standard P11 2P+E 10A
Italian standard P17/11 2P+E 16A
Italian standard P30 2P+E 16A
Pluristandard P40 2P+E 16A
German standard 2P+E 16A

DOMESTIC ADAPTORS
BLUELINE Series

MULTI-WAY ADAPTORS >> 3-WAY MULTI-STANDARD ADAPTORS (SPACE SAVER)



Current	Plug	Socket	Max power	Colour	Code	
10A		1x 2x	MAX 1.500W	▭	**146.560**	25
		1x 2x	MAX 1.500W	▬	**146.560/N**	25
		3x	MAX 1.500W	▭	**146.562**	25/250
		3x	MAX 1.500W	▬	**146.562/N**	25/250
16A		1x 2x	MAX 1.500W	▭	**146.561**	25
		1x 2x	MAX 1.500W	▬	**146.561/N**	25
		3x	MAX 1.500W	▭	**146.563**	25/250
		3x	MAX 1.500W	▬	**146.563/N**	25/250

Sleeved pin.
Individual packing.

MULTI-WAY ADAPTORS >> 4-WAY ADAPTORS



Current	Plug	Socket	Max power	Colour	Code	
16A		4x	MAX 1.500W	▭	**146.530**	25/250
		4x	MAX 1.500W	▬	**146.530/N**	25/250

Sleeved pin.

Italian standard S11 2P+E 10A

Italian standard S17 2P+E 16A

Italian standard P11 2P+E 10A

Italian standard P17/11 2P+E 16A

Italian standard P30 2P+E 16A

Applications examples











DOMESTIC MULTIPLE SOCKETS





DOMESTIC MULTIPLE SOCKETS

TREND SERIES
Domestic multiple sockets with side socket outlets
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SICURA SERIES
Domestic multiple sockets with pluristandard socket outlets
p. 655



BLUELINE SERIES
Domestic multiple sockets
p. 658



QUICK SERIES
Domestic multiple sockets with rubber body
p. 662



SPYROS SERIES
Domestic extenders
p. 663





TREND Series

TREND is a complete range of multiple sockets for domestic use with top and side sockets, in configurations from 3 up to 12 socket outlets. All the multiple sockets are prewired with 1.5 m long cable and available with light switch. Characterized by a modern, elegant and functional design, they are made of high-performance technopolymer.

technical sheet **p. 885**

WITHOUT LUMINOUS SWITCH



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		1x 2x	1,5m	1mm²	MAX 3.600W		**165.10401.N**	10
		1x 2x	1,5m	1mm²	MAX 3.600W		**165.10401.R**	10

With 1,5m H05VV-F (PVC) cable and plug.

No. of available outlets: 3



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		2x 4x	1,5m	1mm²	MAX 3.600W		**165.20401.N**	10
		2x 4x	1,5m	1mm²	MAX 3.600W		**165.20401.R**	10

With 1,5m H05VV-F (PVC) cable and plug.

No. of available outlets: 6



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		3x 6x	1,5m	1mm²	MAX 3.600W		**165.30401.N**	10
		3x 6x	1,5m	1mm²	MAX 3.600W		**165.30401.R**	10

With 1,5m H05VV-F (PVC) cable and plug.

No. of available outlets: 9

WITH LUMINOUS SWITCH



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		2x 4x	1,5m	1mm²	MAX 3.600W		**165.20411.N**	10
		2x 4x	1,5m	1mm²	MAX 3.600W		**165.20411.R**	10

With 1,5m H05VV-F (PVC) cable and plug.

No. of available outlets: 6



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		3x 6x	1,5m	1mm²	MAX 3.600W		**165.30411.N**	10
		3x 6x	1,5m	1mm²	MAX 3.600W		**165.30411.R**	10

With 1,5m H05VV-F (PVC) cable and plug.

No. of available outlets: 9



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		4x 8x	1,5m	1mm²	MAX 3.600W		**165.40411.N**	10
		4x 8x	1,5m	1mm²	MAX 3.600W		**165.40411.R**	10

With 1,5m H05VV-F (PVC) cable and plug.

No. of available outlets: 12

Italian standard S17 2P+E 16A

Italian standard P17/11 2P+E 16A

Italian standard P30 2P+E 16A

DOMESTIC MULTIPLE SOCKETS

TREND Series - SICURA Series

WITH LUMINOUS SWITCH - WITH LIGHTNING PROTECTION



No. of available outlets: 6

Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		2x 4x	1,5m	1mm²	MAX 3.600W		**165.20421.R**	10

With 1,5m H05VV-F (PVC) cable and plug.



No. of available outlets: 9

Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		3x 6x	1,5m	1mm²	MAX 3.600W		**165.30421.R**	10

With 1,5m H05VV-F (PVC) cable and plug.



SICURA Series

SICURA is a range of multiple sockets for domestic use with Italian standard P40 "pluristandard" socket outlets for maximum practicality. With or without switch, all the multiple units are equipped with a 1.5 m long cable. The version with 10 socket outlets has the particularity of having 4 side sockets.

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WITHOUT LUMINOUS SWITCH



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		4x	1,5m	1mm²	MAX 3.600W		**161.40501.N**	10
		4x	1,5m	1mm²	MAX 3.600W		**161.40501.R**	10

With 1,5m H05VV-F (PVC) cable and plug.

No. of available outlets: 4



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		4x 6x	1,5m	1mm²	MAX 3.600W		**161.60501.N**	10
		4x 6x	1,5m	1mm²	MAX 3.600W		**161.60501.R**	10

With 1,5m H05VV-F (PVC) cable and plug.

No. of available outlets: 10

Italian standard S11 2P+E 10A
Italian standard S17 2P+E 16A
German standard 2P+E 16A
Italian standard P17/11 2P+E 16A
Italian standard P30 2P+E 16A
Pluristandard P40 2P+E 16A
USB

DOMESTIC MULTIPLE SOCKETS

SICURA Series

WITHOUT LUMINOUS SWITCH - WITHOUT CABLE AND PLUG



Current	Socket	Colour	Code	
16A	4x		**161.40500.N**	10
	4x		**161.40500.R**	10

No. of available outlets: 4



Current	Socket	Colour	Code	
16A	4x 6x		**161.60500.N**	10
	4x 6x		**161.60500.R**	10

No. of available outlets: 10

WITH LUMINOUS SWITCH



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		4x	1,5m	1mm²	MAX 3.600W		**161.40511.N**	10
		4x	1,5m	1mm²	MAX 3.600W		**161.40511.R**	10
		4x	1,5m	1mm²	MAX 3.600W		**161.40511.RD**	

With 1,5m H05VV-F (PVC) cable and plug.
With luminous switch.

No. of available outlets: 4



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		4x 6x	1,5m	1mm²	MAX 3.600W		**161.60511.N**	10
		4x 6x	1,5m	1mm²	MAX 3.600W		**161.60511.R**	10

With 1,5m H05VV-F (PVC) cable and plug.
With luminous switch.

No. of available outlets: 10

WITH LUMINOUS SWITCH - WITH LIGHTNING PROTECTION



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		4x	1,5m	1mm²	MAX 3.600W		**161.40521.R**	10

With 1,5m H05VV-F (PVC) cable and plug.
With luminous switch.
With lightning protection.

No. of available outlets: 4

WITH LUMINOUS SWITCH - WITHOUT CABLE AND PLUG



Current	Socket	Colour	Code	
16A	4x		**161.40510.N**	10
	4x		**161.40510.R**	10

With luminous switch.

No. of available outlets: 4



Current	Socket	Colour	Code	
16A	4x 6x		**161.60510.N**	10
	4x 6x		**161.60510.R**	10

With luminous switch.

No. of available outlets: 10

Italian standard S17 2P+E 16A

Italian standard P17/11 2P+E 16A

Pluristandard P40 2P+E 16A

DOMESTIC MULTIPLE SOCKETS
BLUELINE Series



BLUELINE Series

BLUELINE is a complete range of multiple sockets for domestic use in configurations from 3 up to 6 socket outlets in the main Italian Standards. Available with or without cable and light switch. Characterized by a modern, elegant and functional design, they are made of high-performance technopolymer. "Space saving" version are really practical, while the "lightning protection" versions are equipped with a surge protection device for extra safety of the connected devices.The offer is completed by desk versionss with 3 or 4 sockets outlets, USB included.

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WITHOUT LUMINOUS SWITCH (ITALIAN PLUG)



No. of available outlets: 3

Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		3x	1,5m	1mm²	MAX 3.600W		**160.220/C**	10
		3x	1,5m	1mm²	MAX 3.600W		**160.220/C-N**	10

With 1,5m H05VV-F (PVC) cable and plug.



No. of available outlets: 4

Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
10A		4x	1,5m	0,75mm²	MAX 2.300W		**160.219/C**	10
		4x	1,5m	0,75mm²	MAX 2.300W		**160.219/C-N**	10
16A		4x	1,5m	1mm²	MAX 3.600W		**160.223/C**	10
		4x	1,5m	1mm²	MAX 3.600W		**160.223/C-N**	10

With 1,5m H05VV-F (PVC) cable and plug.



No. of available outlets: 6

Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
10A		6x	1,5m	0,75mm²	MAX 2.300W		**160.224/C**	10
		6x	1,5m	0,75mm²	MAX 2.300W		**160.224/C-N**	10
16A		3x 3x	1,5m	1mm²	MAX 3.600W		**160.231/C**	10
		3x 3x	1,5m	1mm²	MAX 3.600W		**160.231/C-N**	10
		6x	1,5m	1mm²	MAX 3.600W		**160.225/C**	10
		6x	1,5m	1mm²	MAX 3.600W		**160.225/C-N**	10

With 1,5m H05VV-F (PVC) cable and plug.

WITHOUT LUMINOUS SWITCH - SPACE SAVER



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
10A		4x	1,5m	0,75mm²	MAX 2.300W	▭	**160.260/C**	6/48
		4x	1,5m	0,75mm²	MAX 2.300W	▬	**160.260/C-N**	6/48
16A		4x	1,5m	1mm²	MAX 3.600W	▭	**160.261/C**	6/48
		4x	1,5m	1mm²	MAX 3.600W	▬	**160.261/C-N**	6/48

With 1,5m H05VV-F (PVC) cable and plug.

No. of available outlets: 4

WITHOUT LUMINOUS SWITCH - WITHOUT CABLE AND PLUG



Current	Socket	Colour	Code	
16A	3x	▭	**160.220**	10/100
	3x	▬	**160.220/N**	10/100

No. of available outlets: 3



Current	Socket	Colour	Code	
16A	4x	▭	**160.223**	10/100
	4x	▬	**160.223/N**	10/100

No. of available outlets: 4



Current	Socket	Colour	Code	
16A	3x 3x	▭	**160.231**	10/40
	3x 3x	▬	**160.231/N**	10/40
	6x	▭	**160.225**	10/120
	6x	▬	**160.225/N**	10/120

No. of available outlets: 6

Italian standard S11 2P+E 10A | Italian standard S17 2P+E 16A | French/German standard 2P+E 16A | German standard 2P+E 16A | Italian standard P11 2P+E 10A | Italian standard P17/11 2P+E 16A | Italian standard P30 2P+E 16A | German standard 2P+E 16A | French standard 2P+E 16A

DOMESTIC MULTIPLE SOCKETS
BLUELINE Series

WITHOUT LUMINOUS SWITCH - SPACE SAVER - WITHOUT CABLE AND PLUG



Current	Socket	Colour	Code	
10A	4x	▭	**160.260**	10/100
	4x	▬	**160.260/N**	10/100
16A	4x	▭	**160.261**	10/100
	4x	▬	**160.261/N**	10/100

No. of available outlets: 4

WITH LUMINOUS SWITCH



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
10A		4x	1,5m	0,75mm²	MAX 2.300W	▭	**160.251/C**	10
		4x	1,5m	0,75mm²	MAX 2.300W	▬	**160.251/C-N**	10
16A		4x	1,5m	1mm²	MAX 3.600W	▭	**160.252/C**	10
		4x	1,5m	1mm²	MAX 3.600W	▬	**160.252/C-N**	10

With 1,5m H05VV-F (PVC) cable and plug.
With luminous switch.

No. of available outlets: 4



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		3x 3x	1,5m	1mm²	MAX 3.600W	▭	**160.230/C**	10
		3x 3x	1,5m	1mm²	MAX 3.600W	▬	**160.230/C-N**	10
		6x	1,5m	1mm²	MAX 3.600W	▭	**160.229/C**	10
		6x	1,5m	1mm²	MAX 3.600W	▬	**160.229/C-N**	10

With 1,5m H05VV-F (PVC) cable and plug.
With luminous switch.

No. of available outlets: 6

WITH LUMINOUS SWITCH - WITH LIGHTNING PROTECTION



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		3x 3x	1,5m	1mm²	MAX 3.600W	▭	**160.233/C**	10
		6x	1,5m	1mm²	MAX 3.600W	▭	**160.232/C**	10

With 1,5m H05VV-F (PVC) cable and plug.
With luminous switch.
With lightning protection.

No. of available outlets: 6

WITH LUMINOUS SWITCH - WITHOUT CABLE AND PLUG



Current	Socket	Colour	Code	
16A	3x 3x	▭	**160.230**	10/40
	3x 3x	▬	**160.230/N**	10/40
	6x	▭	**160.229**	10/100
	6x	▬	**160.229/N**	10/100

With luminous switch.

No. of available outlets: 6

DESK MULTI SOCKETS



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		1x 2x	2m	1mm²	MAX 3.600W	▭	**160.5013** [1)]	6/24
		1x 2x	2m	1mm²	MAX 3.600W	▬	**160.5014** [1)]	6/24

With 2m H05VV-F (PVC) 3x1mm² cable and plug 16A 2P+E.

[1)] *With luminous switch.*

No. of available outlets: 3



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		2x 1x 1x 5V 2.1A	2m	1mm²	MAX 3.600W	▭	**160.5015**	3/24
		2x 1x 1x 5V 2.1A	2m	1mm²	MAX 3.600W	▬	**160.5016**	3/24

With 2m H05VV-F (PVC) 3x1mm² cable and plug 16A 2P+E.

[1)] *With luminous switch.*

No. of available outlets: 4

Italian standard S11 2P+E 10A
Italian standard S17 2P+E 16A
German standard 2P+E 16A
Italian standard P11 2P+E 10A
Italian standard P17/11 2P+E 16A
Italian standard P30 2P+E 16A
French standard 2P+E 16A
Pluristandard P40 2P+E 16A
USB

DOMESTIC MULTIPLE SOCKETS

QUICK Series - SPYROS Series



QUICK Series

QUICK is a multiple socket with 4 German standard 16A sockets and light switch.

The socket body made of high-performance technopolymers and the wear-resistant rubber cable with French-German welded plug make it suitable for use even in harsh environments.

The covers of the sockets guarantee an IP44 degree of protection.

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WITH LUMINOUS SWITCH



Current	Plug	Socket	Cable length	Cable section	Max power	Colour	Code	
16A		4x	1,5m	1,5mm²	MAX 3.500W		**161.243/D**	12

No. of available outlets: 4

French/German standard 2P+E 16A

German standard 2P+E 16A



SPYROS Series

SPYROS is a series of spiraling extension cords for domestic use available in sizes of 3 and 5m.

EXTENSION CORD WITHOUT PLUG AND CONNECTOR



Description	Cable length	Cable section	Colour	Code	
EXTENSION CORD	3m	0,75mm²	▭	**168.0072B-03**	10
		0,75mm²	■	**168.0072N-03**	10
		1mm²	▭	**168.0073B-03**	10
		1mm²	■	**168.0073N-03**	10
	5m	1mm²	▭	**168.0073B-05**	10
		1mm²	■	**168.0073N-05**	10

EXTENSION CORD WITH PLUG AND CONNECTOR



Description	Cable length	Cable section	Colour	Code	
EXTENSION CORD	3m	0,75mm²	▭	**168.4272B-03**	10
		0,75mm²	■	**168.4272N-03**	10









DOMESTIC CABLE REELS


10m

DOMESTIC CABLE REELS

TRIS SERIES
Domestic cable reels

p. 668



DOMESTIC CABLE REELS

TRIS Series



TRIS Series

TRIS is a range of cable reels available with cable length from 5 up to 20m and different configurations of socket outlets in the main Italian and international standards. The TRIS series cable reels are equipped with integrated toverload thermal switch which interrupts the power supply in case of overheating. Normal use is allowed only manually when the correct operating temperature is restored.

The comfortable handle, the grip of the cable reel and the solid footprint make the TRIS cable reels particularly ergonomic and safe to use.

technical sheet **p. 886**

TRIS P40 SERIES



Current	Plug	Socket	Cable length	Cable section	Wound cable power	Unwound cable power	Code	
16A		4x	5m	1,5mm²	1200W	3200W	**710.4005**	1/6/12
16A		4x	10m	1,5mm²	1200W	3200W	**710.4010**	1/3/6
16A		4x	15m	1,5mm²	1200W	3200W	**710.4015**	1/3/6

After use rewind the cable carefully back into the reel.
With thermal overload switch.
The maximun power supply is shown on every single item.

TRIS 150 SERIES



Current	Plug	Socket	Cable length	Cable section	Wound cable power	Unwound cable power	Code	
10A		2x	5m	1mm²	1200W	2200W	**709.2505**	1/12

After use rewind the cable carefully back into the reel.
With thermal overload switch.
The maximun power supply is shown on every single item.

TRIS 230 SERIES



Current	Plug	Socket	Cable length	Cable section	Wound cable power	Unwound cable power	Code	
16A		1x 2x	20m	1,5mm²	1200W	3200W	**709.4720**	1/6
16A		2x	20m	1,5mm²	1200W	3200W	**709.4620**	1/6
16A		4x	20m	1,5mm²	1200W	3200W	**709.4320**	1/6
16A		4x	20m	1,5mm²	1200W	3200W	**709.4920** [1)]	1/6
16A		4x	20m	1,5mm²	1200W	3200W	**709.4820**	1/6

After use rewind the cable carefully back into the reel.
With thermal overload switch.
The maximun power supply is shown on every single item.

[1)] *Shutterless socket, subject to normative restrictions or prohibitions in Europe or in other geographical areas. Check the national laws prior to using or installing it.*

Applications examples



Italian standard S11 2P+E 10A	Italian standard S17 2P+E 16A	French/German standard 2P+E 16A	Italian standard P11 2P+E 10A	Italian standard P17/11 2P+E 16A	Italian standard P30 2P+E 16A	Pluristandard P40 2P+E 16A	German standard 2P+E 16A	French standard 2P+E 16A









LAMPHOLDERS AND CHAMFER SWITCHES





LAMPHOLDERS AND CHAMFER SWITCHES

LUX SERIES - LAMPHOLDERS p. 674
Lampholders



LUX SERIES - CEILING p. 679
Ceiling pendels



LUX SERIES - SWITCHES p. 680
Switches





LUX Series - Lampholders

LUX is a range of lampholders for incandescent or halogen lamps.
Push-button and pull-switches complete the offer.

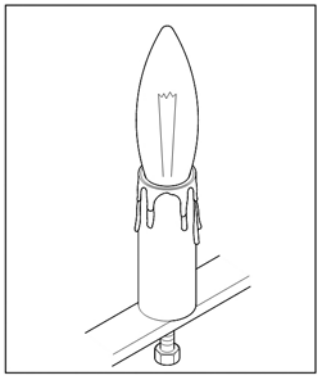
technical sheet **p. 887**

FOR INCANDESCENT LAMPS >> PLASTIC CANDLES



Description	Lamp holder	Dimensions	Fixing	Material	Colour	Code	
CANDLE DRIP COVER	E14	h65mm		THERMOPLASTIC		**190.CP70B**	50/300
		h65mm		THERMOPLASTIC		**190.CP70A**	50/300
		h85mm		THERMOPLASTIC		**190.CP85B**	50/300
		h85mm		THERMOPLASTIC		**190.CP85A**	50/300
CANDLE LAMPHOLDER	E14	h65mm	NIPPEL AND SCREW	THERMOPLASTIC		**190.3570S**[1)]	50/500
		h65mm	PLASTIC THREAD M10x1mm	THERMOPLASTIC		**190.3570ES**[1)]	50/500
		h85mm	NIPPEL AND SCREW	THERMOPLASTIC		**190.3585S**[1)]	50/500
		h85mm	PLASTIC THREAD M10x1mm	THERMOPLASTIC		**190.3585ES**[1)]	50/500

[1)] *Metal bracket.*



LUX Series
Fixing thread: M10x1mm.

FOR INCANDESCENT LAMPS >> PRE-WIRED LAMPHOLDERS - SKIRT SMOOTH



Description	Lamp holder	Lamp power	Material	Colour	Code	
LAMPHOLDER	E27	MAX 75W	THERMOPLASTIC	■	**190.6000PN**	20/200

Equipped with 15cm bipolar flat cable, type H03VVH2-F 2x0.75 mm² and bipolar terminal.
With plastic hook for suspension.

FOR INCANDESCENT LAMPS >> LAMPHOLDERS - SKIRT SMOOTH



Description	Lamp holder	Cap	Material	Colour	Code	
LAMPHOLDER	E14	THREADED METAL ENTRY	THERMOPLASTIC	▭	**190.2000LNB**	100/600
		THREADED METAL ENTRY	THERMOPLASTIC	■	**190.2000LN**	100/600
		THREADED PLASTIC ENTRY	THERMOPLASTIC	▭	**190.2000LGB**	100/600
		THREADED PLASTIC ENTRY	THERMOPLASTIC	■	**190.2000LG**	100/600
	E27	THREADED METAL ENTRY	THERMOPLASTIC	▭	**190.6000LNB**	50/300
		THREADED METAL ENTRY	THERMOPLASTIC	■	**190.6000LN**	50/300
		THREADED PLASTIC ENTRY	THERMOPLASTIC	▭	**190.6000LGB**	50/300
		THREADED PLASTIC ENTRY	THERMOPLASTIC	■	**190.6000LG**	50/300

Cable 2.5mm² (max).
Entry: M10 x 1.

FOR INCANDESCENT LAMPS >> LAMPHOLDERS - SKIRT THREADED



Description	Lamp holder	Cap	Material	Colour	Code	
LAMPHOLDER	E14	THREADED METAL ENTRY	THERMOPLASTIC	▭	**190.2000FNB**	100/600
		THREADED METAL ENTRY	THERMOPLASTIC	■	**190.2000FN**	100/600
		THREADED PLASTIC ENTRY	THERMOPLASTIC	▭	**190.2000FGB**	100/600
		THREADED PLASTIC ENTRY	THERMOPLASTIC	■	**190.2000FG**	100/600
	E27	THREADED METAL ENTRY	THERMOPLASTIC	▭	**190.6000FNB**	50/300
		THREADED METAL ENTRY	THERMOPLASTIC	■	**190.6000FN**	50/300
		THREADED PLASTIC ENTRY	THERMOPLASTIC	▭	**190.6000FGB**	50/300
		THREADED PLASTIC ENTRY	THERMOPLASTIC	■	**190.6000FG**	50/300

Cable 2.5mm² (max).
Entry: M10 x 1.

LAMPHOLDERS AND CHAMFER SWITCHES

LUX Series - Lampholders

FOR INCANDESCENT LAMPS >> LAMPHOLDERS - SKIRT PARTIALLY THREADED



Description	Lamp holder	Cap	Material	Colour	Code	
LAMPHOLDER	E14	THREADED METAL ENTRY	THERMOPLASTIC	▭	**190.2000FCNB**	100/600
		THREADED METAL ENTRY	THERMOPLASTIC	▬	**190.2000FCN**	100/600
		THREADED PLASTIC ENTRY	THERMOPLASTIC	▭	**190.2000FCGB**	100/600
		THREADED PLASTIC ENTRY	THERMOPLASTIC	▬	**190.2000FCG**	100/600
	E27	THREADED METAL ENTRY	THERMOPLASTIC	▭	**190.6000FCNB**	50/300
		THREADED METAL ENTRY	THERMOPLASTIC	▬	**190.6000FCN**	50/300
		THREADED PLASTIC ENTRY	THERMOPLASTIC	▭	**190.6000FCGB**	50/300
		THREADED PLASTIC ENTRY	THERMOPLASTIC	▬	**190.6000FCG**	50/300

Cable 2.5mm² (max).
Entry: M10 x 1.

FOR INCANDESCENT LAMPS >> SHADE RING



Description	Lamp holder	Dimensions	Material	Colour	Code	
SHADE RING	E14	ø43x15mm	THERMOPLASTIC	▭	**190.31B**	50/500
		ø43x15mm	THERMOPLASTIC	▬	**190.31**	50/500
		ø43x8,5mm	THERMOPLASTIC	▭	**190.147B**	50/500
	E27	ø48x8mm	THERMOPLASTIC	▭	**190.71B**	50/500
		ø48x8mm	THERMOPLASTIC	▬	**190.71**	50/500
		ø58x13mm	THERMOPLASTIC	▭	**190.73B**	50/500
		ø58x13mm	THERMOPLASTIC	▬	**190.73N**	50/500

To be used with threaded skirt lampholders.
Lampshade holding ring.

FOR INCANDESCENT LAMPS >> LAMPHOLDER - SPECIAL T210°C



Description	Lamp holder	Fixing	Material	Colour	Code	
LAMPHOLDER	E27	INTERNAL WITH EARTH SCREW	THERMOPLASTIC	▭	**190.5778/311T**	20/200
		EXTERNAL WITH EARTH SCREW	THERMOPLASTIC	▭	**190.5778/313T**	20/200

Cable: 4mm² (max).
2 holes for screw fixing.

FOR INCANDESCENT LAMPS >> LAMPHOLDERS - BRASS PLATED METAL



Description	Lamp holder	Dimensions	Cap	Material	Colour	Code	
SHADE RING	E27	ø58,5x15mm		BRASS PLATED METAL		**190.81** [2) 3)]	50/500
LAMPHOLDER	E27		THREADED METAL ENTRY	BRASS PLATED METAL		**190.8200** [1) 4)]	50/300
			THREADED METAL ENTRY AND EARTH	BRASS PLATED METAL		**190.8200T** [1) 4)]	50/300

[1)] *Entry: M10 x 1.*
[2)] *To be used with threaded skirt lampholders.*
[3)] *Lampshade holding ring.*
[4)] *With locking screw.*

FOR INCANDESCENT LAMPS >> LAMPHOLDER - SPECIAL T300°C



Description	Lamp holder	Material	Colour	Code	
LAMPHOLDER	E40	CERAMIC		**190.5740B1**	10

Cable section 1.5-4mm².
Unscrewing brake.

FOR INCANDESCENT LAMPS >> SURFACE MOUNTING LAMPHOLDER



Description	Lamp holder	Lamp power	Material	Colour	Code	
LAMPHOLDER	E27	60W	THERMOPLASTIC		**190.100**	10

Total insulation e class II.
Surface mounting.
Suitable for being installed on usually flammable surface.

LAMPHOLDERS AND CHAMFER SWITCHES

LUX Series - Lampholders - LUX Series - Ceiling

FOR HALOGEN LAMPS >> FOR LOW VOLTAGE HALOGEN LAMPS



Description	Dimensions	Material	Colour	Code	
LAMPHOLDER	ø17X10,2mm	THERMOSETTING		**191.5031**	100/1.000

Type of coupling: G4/GZ4/GX5.3/GY6.35.
Cable: Teflon-Fep 150mm.
Made of steatite.
Push-in terminals.

FOR HALOGEN LAMPS >> FOR HALOGEN LAMPS - WITH BRACKET



Description	Dimensions	Material	Colour	Code	
LAMPHOLDER	140mm	THERMOSETTING		**191.5122**	20/200

Made of steatite.
Type of coupling: R7s.
Cable: Teflon-Fep 200mm.
Profiled.
Bracket with central hole and slots.



LUX Series - Ceiling

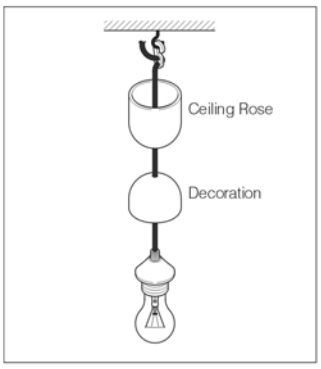
LUX is a range of lampholders for incandescent or halogen lamps.
Push-button and pull-switches complete the offer.

technical sheet **p. 887**

CEILING ROSE



Description	Material	Colour	Code	
CYLINDRICAL CUP	THERMOPLASTIC	▭	**190.363B**	50/500
	THERMOPLASTIC	▬	**190.363N**	50/500
SPHERICAL CUP	THERMOPLASTIC	▭	**190.376B**	50/250
	THERMOPLASTIC	▬	**190.376N**	50/250



LUX Series
Ceiling Rose + Decoration.

LAMPHOLDERS AND CHAMFER SWITCHES

LUX Series - Switches



LUX Series - Switches

LUX is a range of lampholders for incandescent or halogen lamps.
Push-button and pull-switches complete the offer.

technical sheet **p. 887**

PRESS SWITCHES



Description	Volt	Colour	Code	
PUSH BUTTON SWITCH	250	▭	**195.115B**	100/1.000

Push-in terminals.
NTR 1119/IMQ.
Cable: 1mm² (max).
With locknut.

PULL SWITCHES



Description	Volt	Colour	Code	
PULL SWITCH	250	▭	**195.200B**	20/200

Fixing Ø 3,2mm.
Single pole switch with cord and white handle grip.

SLIDE IN-LINE SWITCHES



Description	Dimensions	Volt	Colour	Code	
SLIDE SWITCH	60x26x15mm	250	▭	**195.450B**	20/200
	60x26x15mm	250	■	**195.450N**	20/200
	60x26x15mm	250	■	**195.450P**	20/200

ASEV approved.
Screw closed cover.
Single pole switches.
With neutral connection for flat cable.
Cable: 0.75mm² (max).
Also for inductive current.

FOOT SWITCHES



Description	Dimensions	Volt	Colour	Code	
FOOT SWITCH	ø65mm	250		**195.565B**	20/160
	ø65mm	250		**195.565N**	20/160
	ø65mm	250		**195.565P**	20/160

Cable: 0.75mm² (max).
Also for inductive current.
Clip together case.
Single pole foot switch.
With neutral and earth terminals.









TV/DATA





TV/DATA

DATATEL-TEL SERIES
Components for telephone systems
p. 686



DATATEL-DATA SERIES
Components for data transmission
p. 692



DATATEL-TV/SAT SERIES
Components for TV and SAT sytems
p. 693





DATATEL-TEL Series

DATATEL-TEL is a range of plugs and sockets, couplers, duplicators, ADSL filters and cords for connecting telephone devices.

technical sheet **p. 888**

ITALIAN STANDARD >> FIXED TELEPHONE SOCKETS



Description	Plug	Installation	Colour	Code	
SOCKET	3P	FLUSH/SURFACE MOUNTING		**180.584**	12/60
SOCKET	3P	FLUSH/SURFACE MOUNTING		**180.585** [1]	12/60

Italian telephone standard.

[1] *Type-approval by Italian Ministry of Communications.*

ITALIAN STANDARD >> LINE DUPLICATORS - ADAPTERS

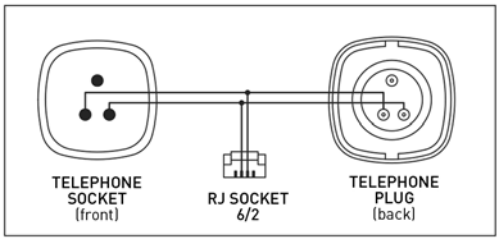


Description	Plug	Cable entry	Colour	Code	
LINE DUPLICATOR				**180.572**	24



Description	Plug	Cable entry	Colour	Code	
LINE DUPLICATOR	3P	PLUG 6/2		**180.710**	12/60

"Parallel" type - Diagram B.

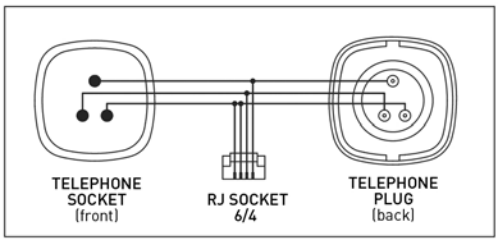


DATATEL Series
"Parallel" type - Diagram B.



Description	Plug	Cable entry	Colour	Code	
LINE DUPLICATOR	3P	PLUG 6/4		**180.711**	12/60

"Series" type - Diagram A.

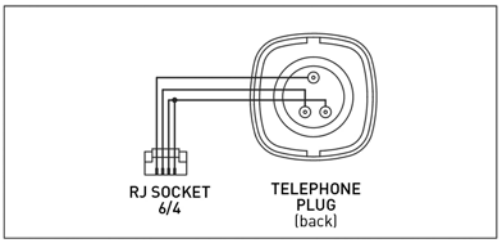


DATATEL Series
"Series" type - Diagram A.



Description	Plug	Cable entry	Colour	Code	
LINE DUPLICATOR	3P	PLUG 6/4		**180.715**	12/60

"Series" type - Diagram D.



DATATEL Series
"Series" type - Diagram D.

PLUG STANDARD >> MOBILE PLUGS



Description	Plug	Installation	Colour	Code	
PLUG	PLUG 4/4	PORTABLE		**180.790**	100/1.000
	PLUG 6/4	PORTABLE		**180.791**	100/1.000
	PLUG 6/6	PORTABLE		**180.792**	100/1.000
	PLUG 10/10	PORTABLE		**180.793**	100/1.000

To be wired using the specially designed plug pincers.

PLUG STANDARD >> FIXED TELEPHONE SOCKETS



Description	Installation	Socket	Colour	Code	
SOCKET	SURFACE MOUNTING	1xPLUG 6/4		**180.701**	12/60



Description	Installation	Socket	Colour	Code	
SOCKET	SURFACE MOUNTING	1xPLUG 6/6		**180.702**	12/60



Description	Installation	Socket	Colour	Code	
SOCKET	FLUSH/SURFACE MOUNTING	1xPLUG 6/4		**180.705**	12/60



Description	Installation	Socket	Colour	Code	
SOCKET	FLUSH/SURFACE MOUNTING	2xPLUG 6/4		**180.706**	12/60

PLUG STANDARD >> RJ PLUG COUPLERS



Description	Plug	Colour	Code	
COUPLER	PLUG 6/4		**180.794**	12/60
	PLUG 6/6		**180.795**	12/60
	PLUG 8/8		**180.7951**	60

Suitable for connecting 2 cords with RJ plugs.

PLUG STANDARD >> MULTIPLIER RJ PLUG



Description	Plug	Colour	Code	
DUPLICATOR	PLUG 6/4		**180.796**	12/60

Doubles the connection capacity, allowing another appliance to be connected (eg. telephone + modem).



Description	Plug	Colour	Code	
TRIPLICATOR	PLUG 6/4		**180.799**	12/60

Doubles the connection capacity, allowing another appliance to be connected (eg. telephone + modem).

PLUG STANDARD >> PLUG PINCERS



Description	Dimensions	Material	Code	
PLUG PINCERS	4/4-6/6-8/8	THERMOPLASTIC	**180.7971**	10

Suitable for wiring the RJ plugs.



Description	Dimensions	Material	Code	
PLUG PINCERS	4/4-6/6-8/8	METAL	**180.798**	10

Suitable for wiring the RJ plugs.

PLUG STANDARD >> STRAIGHT TELEPHONE CORDS WITH RJ PLUGS



Description	Plug	Cable length	Colour	Code	
TELEPHONE CORD	PLUG 6/4	2m		**180.724**	12/60
	PLUG 6/4	2m		**180.725**	12/60

PLUG STANDARD >> EXTENDABLE TELEPHONE CORDS WITH RJ PLUGS



Description	Plug	Cable length	Colour	Code	
TELEPHONE CORD	PLUG 4/4	2m		**180.741**	12/60
	PLUG 4/4	2m		**180.742**	12/60
	PLUG 4/4	4,8m		**180.743**	12/60
	PLUG 4/4	4,8m		**180.744**	12/60

Plug with gold-plated contacts.

COMPONENTS FOR TELEPHONE INSTALLATIONS >> FLUSH MOUNTING BOX



Description	Dimensions	Material	Colour	Code	
COVER	83,5mm	THERMOPLASTIC		**180.692**	12/72



Description	Dimensions	Material	Colour	Code	
SURFACE MOUNTING BOX	83,5mm	THERMOPLASTIC		**180.690**	12/72

Description	Dimensions	Material	Colour	Code	
COVER PRESSURE	83,5mm	THERMOPLASTIC		**180.691**	12/72

COMPONENTS FOR TELEPHONE INSTALLATIONS >> FLAT TELEPHONE CABLE (1 METER)



Description	Poles	Cable length	Colour	Code	
FLAT TELEPHONE CABLE	4P	100m		**180.921**	100/800
	4P	100m		**180.920**	100/800
	6P	100m		**180.931**	100/1.000
	6P	100m		**180.930**	100/1.000
	8P	100m		**180.940**	100/1.000

In coils of 100m.
Suitable for RJ connectors.
Not shuttered.

COMPONENTS FOR TELEPHONE INSTALLATIONS >> COMMUTATORS



Description	Colour	Code	
LINE DUPLICATOR		**180.572**	24



Description	Colour	Code	
LINE DUPLICATOR		**180.573**	24



DATATEL-DATA Series

DATATEL-DATA is a range of category 5e and 6 UTP and FTP plugs, standard or pass-through.

technical sheet **p. 888**

FREE MODULAR PLUGS FOR FLEXIBLE CABLE



Description	Plug	Type	Notes	Code	
SHELL				**180.800**	100/1.000
SHIELDED PLUG	CAT. 5e FTP	SHIELDED TYPE		**180.813**	100/1.000
	CAT. 5e FTP	SHIELDED TYPE+INSERT		**180.814**	100/1.000
UNSHIELDED PLUG	CAT. 5e UTP	UNSHIELDED TYPE	PASS THROUGH	**180.811P**	100/1.000
	CAT. 5e UTP	UNSHIELDED TYPE		**180.811**	100/1.000
	CAT. 5e UTP	UNSHIELDED TYPE+INSERT		**180.812**	100/1.000
	CAT. 6 UTP	UNSHIELDED TYPE	PASS THROUGH	**180.815P**	100/1.000
	CAT. 6 UTP	UNSHIELDED TYPE		**180.815**	100/1.000
	CAT. 3	UNSHIELDED TYPE		**180.810**	100/1.000



DATATEL-TV/SAT Series

DATATEL-TV/SAT is a range of plugs, sockets, coupler and extension cables for connecting the television to the aerial and satellite dish system.

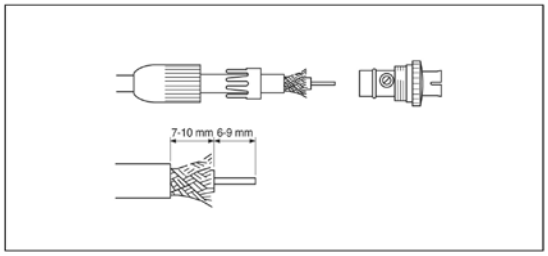
technical sheet **p. 889**

FOR SIGNALS UP TO 2400 MHZ >> PLUGS AND SOCKETS Ø9,5MM



Description	Type	Diameter	Colour	Code	
CONNECTOR	STRAIGHT	ø9,5mm	▭	**180.5520**	50

Impendance: 75Ω.
For antenna system.
For signals up to 2,400 Mhz.

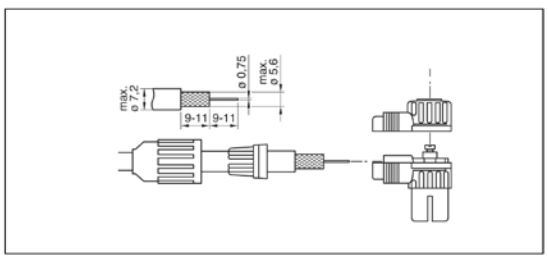


DATATEL-TV/SAT Series
PLUGS AND SOCKETS Ø 9,5mm (straight)
Wiring instructions.



Description	Type	Diameter	Colour	Code	
CONNECTOR	90° ANGLED	ø9,5mm	▭	**180.5521**	50

Impendance: 75Ω.
For antenna system.
For signals up to 2,400 Mhz.

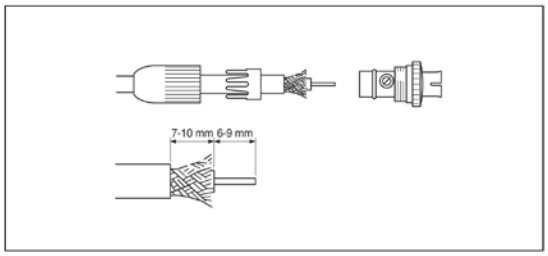


DATATEL-TV/SAT Series
PLUGS AND SOCKETS Ø 9,5mm (90°)
Wiring instructions.



Description	Type	Diameter	Colour	Code	
PLUG	STRAIGHT	ø9,5mm	▭	**180.5510**	50

Impendance: 75Ω.
For antenna system.
For signals up to 2,400 Mhz.

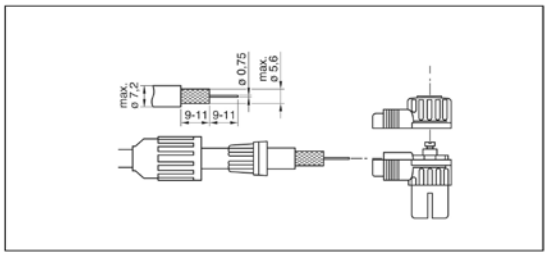


DATATEL-TV/SAT Series
PLUGS AND SOCKETS Ø 9,5mm (straight)
Wiring instructions.



Description	Type	Diameter	Colour	Code	
PLUG	90° ANGLED	ø9,5mm	▭	**180.5511**	50

Impendance: 75Ω.
For antenna system.
For signals up to 2,400 Mhz.



DATATEL-TV/SAT Series
PLUGS AND SOCKETS Ø 9,5mm (90°)
Wiring instructions.

FOR SIGNALS UP TO 2400 MHZ >> CONNECTOR



Description	Type	Code	
COUPLER	OUTLET TO OUTLET CONNECTOR	**180.5640**	10/100

Impendance: 75Ω.
For antenna system.
For signals up to 2,400 Mhz.
Also suitable to connect old systems with new CEI EN 50083 systems.



Description	Type	Code	
COUPLER	PLUG TO PLUG CONNECTOR	**180.5641**	10/100

Impendance: 75Ω.
For antenna system.
For signals up to 2,400 Mhz.
Also suitable to connect old systems with new CEI EN 50083 systems.

FOR SIGNALS UP TO 2400 MHZ >> ACCESSORIES FOR TELEVISION SYSTEM WITH SATELLITE RECEIVER



Description	Type	Diameter	Code	
SCREW F-CONNECTOR	STANDARD LID	ø5,2mm	**180.4521**	10/100/1.600

Impendance: 75Ω.
For antenna system.
For signals up to 2,400 Mhz.



Description	Type	Diameter	Code	
SCREW F-CONNECTOR	STANDARD LID	ø7mm	**180.4701**	10/100/1.600

Impendance: 75Ω.
For antenna system.
For signals up to 2,400 Mhz.

FOR SIGNALS UP TO 862 MHZ >> ANGLED PLUGS



Description	Type	Diameter	Colour	Code	
PLUG	90° ANGLED	ø9,5mm		**180.58/CEI**	200/2.000

90° angled coaxial cable exit.

FOR SIGNALS UP TO 862 MHZ >> CABLE CONNECTORS



Description	Type	Diameter	Colour	Code	
CONNECTOR	STRAIGHT	ø9,5mm		**180.60/CEI-P**	200/2.000

Straight coaxial.



Description	Type	Diameter	Colour	Code	
PLUG	STRAIGHT	ø9,5mm		**180.60/CEI-S**	200/2.000

Straight coaxial.



Description	Type	Diameter	Colour	Code	
PLUG/SOCKET	STRAIGHT	ø9,5mm		**180.60/CEI**	200/2.000

Straight coaxial.

FOR SIGNALS UP TO 862 MHZ >> COAXIAL TV CABLE DIVIDER



Description	Type	Diameter	Colour	Code	
SPLITTER	1 SOCKET + 2 PLUGS	ø9,5mm		**180.563**	10/50

2 resistive side outlets.



Description	Type	Diameter	Colour	Code	
SPLITTER	1 PLUG + 2 SOCKETS	ø9,5mm		**180.561**	10/50/500

2 inductive side outlets.

TV EXTENSION CORDS (STRAIGHT-ANGLED)



Description	Cable length	Notes1	Colour	Code	
TV EXTENSION CORD 9.5mm	2m	+ ADAPTOR		**180.5902**	15
	2m	+ ADAPTOR		**180.5902/N**	15

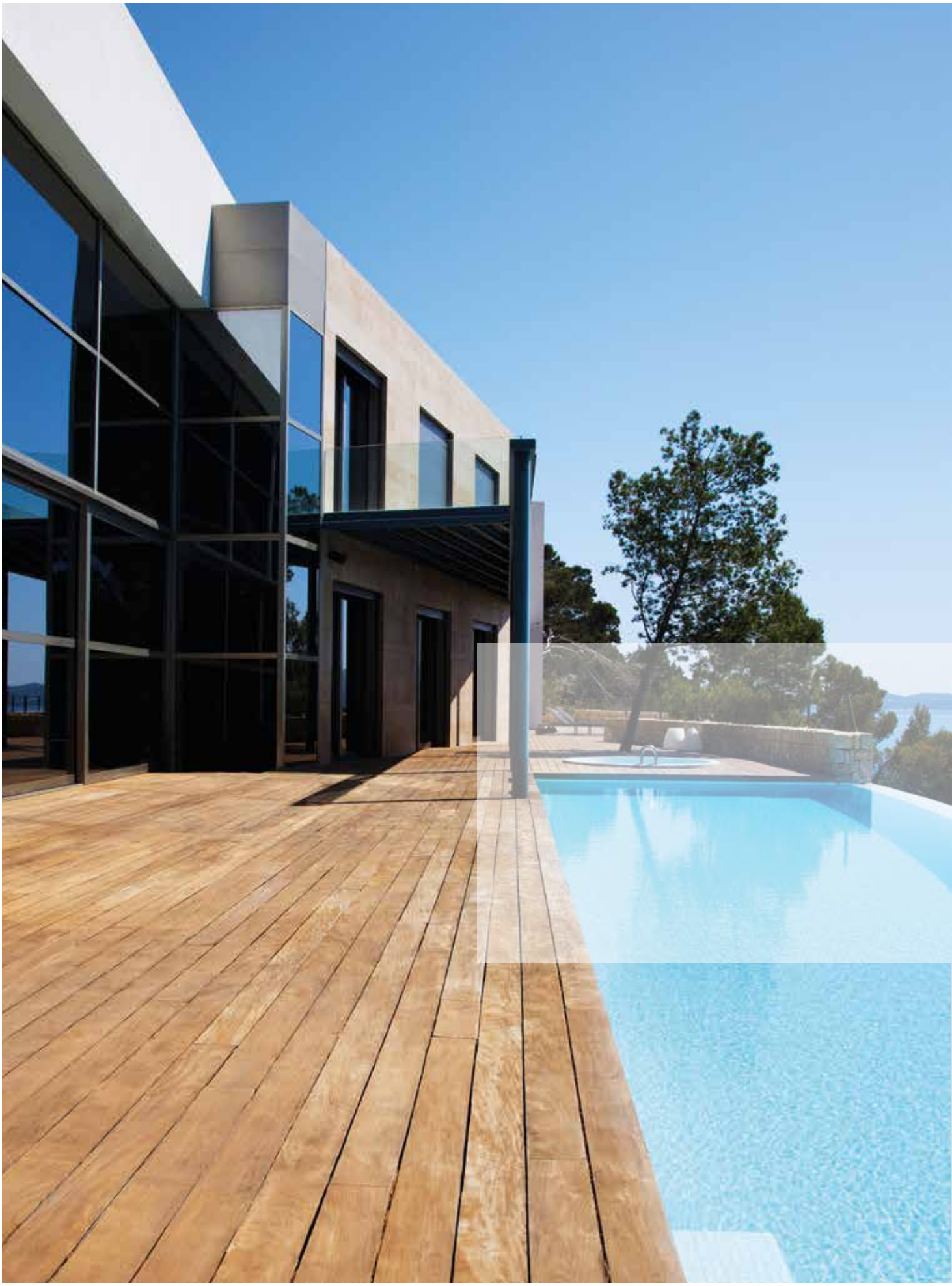
Plug-to-plug coaxial adapter included.

TV EXTENSION CORDS (STRAIGHT-STRAIGHT)



Description	Cable length	Notes1	Colour	Code	
TV EXTENSION CORD 9.5mm	2m	+ ADAPTOR		**180.5912**	15
	3m	+ ADAPTOR		**180.5913**	10
	5m	+ ADAPTOR		**180.5915**	7

Plug-to-plug coaxial adapter included.



SCAME







WIRING DEVICES





WIRING DEVICES

PROTECTA SERIES p. 702
Control devices and socket outlets watertight IP66 with plug inserted



UNIBOX[+EVOLUTION] SERIES p. 713
Modular enclosures for domestic switches and socket outlets



EVOLUTION SERIES p. 718
Flush mounting Italian Standard modular wiring devices





PROTECTA Series

PROTECTA is a complete range of switches and domestic socket outlets IP66 with plug inserted, sturdy and resistant to UV rays thanks to the use of high-strength technopolymers. The electrical socket outlets are available in the main Italian and International standards. All PROTECTA series devices are available for surface, flush or pole mounting.

Ideal for installations in gardens and other places with the presence of water and dust, as well as in the tertiary sector and in light industry.

technical sheet **p. 893**

Technical information

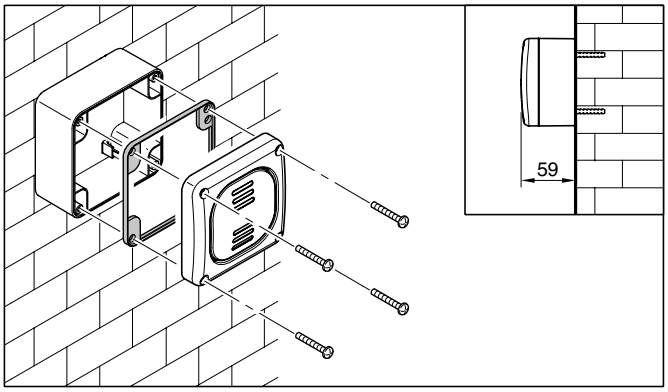
Main characteristics control devices



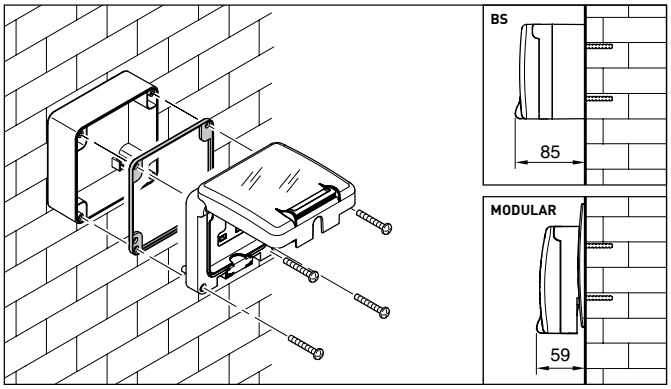
01 Status light indicator
02 Light locator frame (LEDs optional, not included)
03 Integrated external fixing points
04 XXL rocker to ensure operability in any situation
05 Under rocker gasket to guarantee IP66 degree in use conditions
06 Body in polycarbonate resistant to impacts, chemical agents and UV rays
07 Captive stainless steel closing screws
08 Blank sides with drilling point marks

Methods of installation

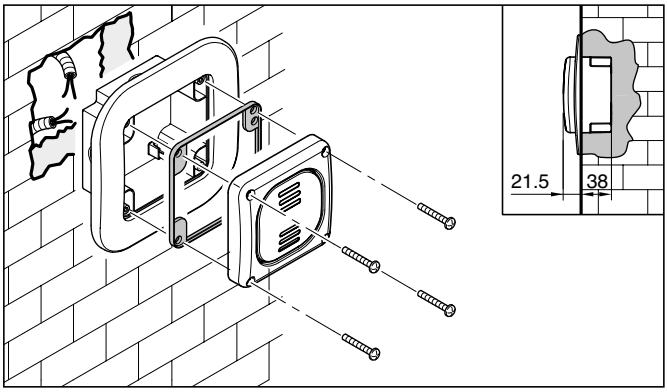
Surface mounting - Control devices



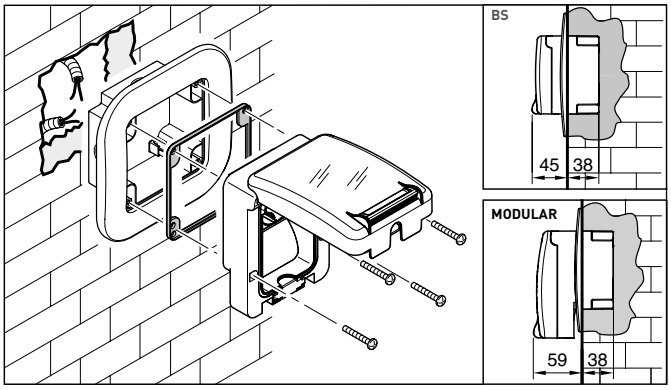
Surface mounting - Socket outlets



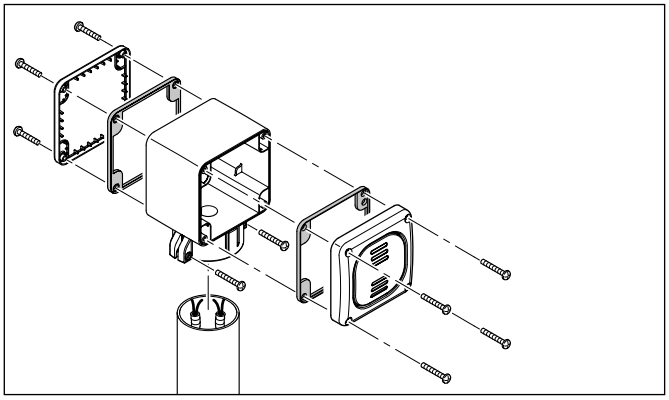
Flush mounting - Control devices



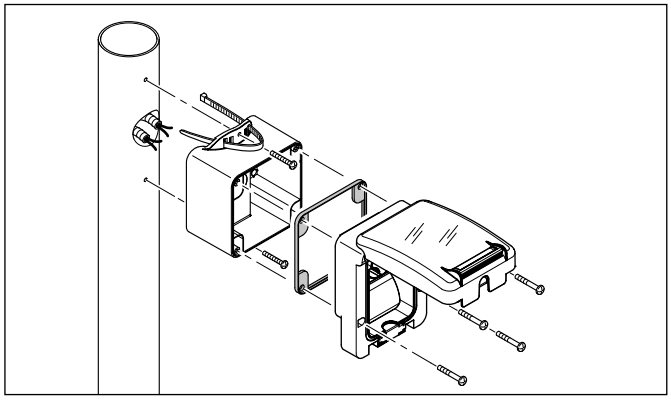
Flush mounting - Socket outlets



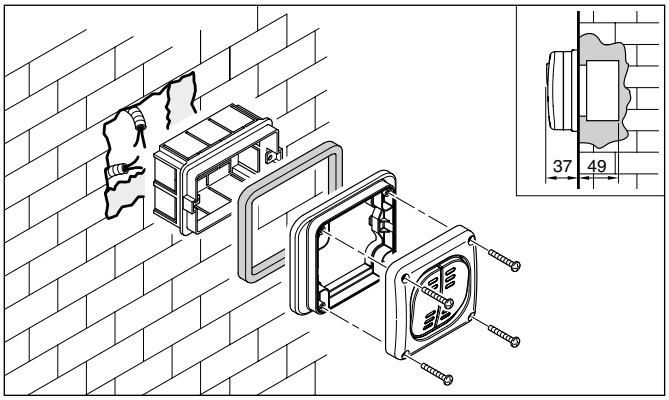
Top-pole mounting



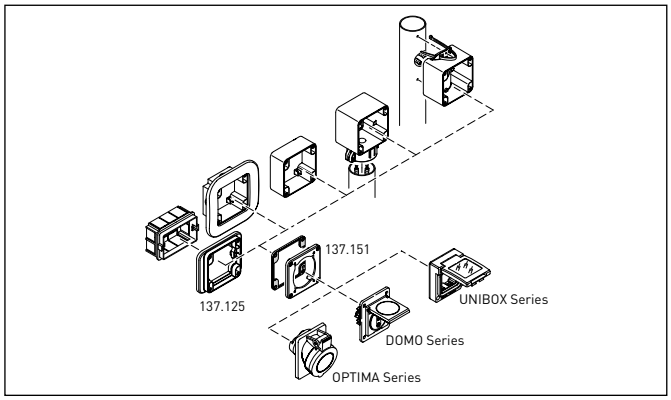
Side-by-side pole mounting



M95 flange adaptor for 503 flush mounting box



M95 Flange adaptor with 70x87mm cut-outs



Main characteristics
British Standard monobloc socket outlets





01 Tinted polycarbonate cover to view the inside

02 Captive stainless steel closing screws

03 Snap-on wing for cover opening and closing operations.

04 Double pole switches

05 Cable sleeve gaskets to maintain the IP66 degree of protection even with the plug inserted

06 Body in polycarbonate resistant to impacts, chemical agents and UV rays

07 Blank sides with drilling point marks

08 Integrated external fixing points

Applications examples





Main characteristics
international standards modular socket outlets





01 Tinted polycarbonate cover to view the inside

02 Snap-on wing for cover opening and closing operations

03 Availability of empty versions with swing support or tilting frame to be fitted with EVOLUTION Series modules

04 Cable sleeve gaskets to maintain the IP66 degree of protection even with the plug inserted

05 Body in polycarbonate resistant to impacts, chemical agents and UV rays

06 Blank sides with drilling point marks

07 Integrated external fixing points

08 Captive stainless steel closing screws





SURFACE MOUNTING - IP66 >> CONTROL DEVICES >> 1 GANG



Description	Current	Dimensions	Warning light	Code	
REVERSING SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.5111**	12
	20AX	M95(95x95mm)	WITH NEON	**137.5112**	12
DP SWITCH	20A	M95(95x95mm)	WITH NEON	**137.5462**	12
SP BELL PUSH SWITCH "BELL"	10A	M95(95x95mm)	WITH NEON	**137.5311B**	12
SP BELL PUSH SWITCH "PRESS"	10A	M95(95x95mm)	WITH NEON	**137.5311P**	12
SP ONE WAY SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.5011**	12
	20AX	M95(95x95mm)	WITH NEON	**137.5012**	12
SP TWO WAY SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.5211**	12
	20AX	M95(95x95mm)	WITH NEON	**137.5212**	12

SURFACE MOUNTING - IP66 >> CONTROL DEVICES >> 2 GANG



Description	Current	Dimensions	Warning light	Code	
SP ONE WAY SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.5021**	12
	20AX	M95(95x95mm)	WITH NEON	**137.5022**	12
SP TWO WAY SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.5221**	12
	20AX	M95(95x95mm)	WITH NEON	**137.5222**	12
PUSH BUTTON SINGLE POLE 2 GANG	10A	M95(95x95mm)	WITH NEON	**137.5321**	12

SURFACE MOUNTING - IP66 >> SPUR UNITS



Description	Type	Current	Dimensions	Code	
SPUR UNIT	WITH FUSE AND SWITCH	13A	M115(115x115mm)	**137.5410**	12

SURFACE MOUNTING - IP66 >> MODULAR SOCKET OUTLETS



Description	Type	Current	Dimensions	Code	
RJ45 OUTLET			M95(95x95mm)	**137.6581.60**[1)]	12
GERMAN STANDARD SOCKET		16A	M95(95x95mm)	**137.6507**	12
ITALIAN P30 STANDARD SOCKET		16A	M95(95x95mm)	**137.6504**	12
ITALIAN P40 STANDARD SOCKET		16A	M95(95x95mm)	**137.6505**	12
ITALIAN P17/11 STANDARD SOCKET		16A	M95(95x95mm)	**137.6503**	12
FRENCH STANDARD SOCKET		16A	M95(95x95mm)	**137.6511**	12
ARGENTINIAN STANDARD SOCKET		10A	M95(95x95mm)	**137.6524**	12
		20A	M95(95x95mm)	**137.6526**	12
NEOZELANDER STANDARD SOCKET		10A	M95(95x95mm)	**137.6527**	12
SWISS STANDARD SOCKET		10A	M95(95x95mm)	**137.6517**	12
BRAZILIAN STANDARD SOCKET		10A	M95(95x95mm)	**137.6521**	12

[1)] *RJ45 - Cat.6.*

SURFACE MOUNTING - IP66 >> BS SOCKET OUTLETS



Description	Type	Current	Dimensions	Warning light	Code	
13A SOCKET + 20A DP SWITCH		13A	M95x2(195x95mm)		**137.6003**	12
DOUBLE DP SWITCHSOCKET		13A	M195(195x115mm)	WITH NEON	**137.6042**	12
		13A	M195(195x115mm)	WITH NEON	**137.6043**[1)]	12
DOUBLE UNSWITCHED SOCKET		13A	M95x2(195x95mm)		**137.6002**	12
SINGLE DP SWITCHSOCKET		13A	M115(115x115mm)	WITH NEON	**137.6022**	12
SINGLE SP SWITCHSOCKET		15A	M115(115x115mm)		**137.6111**	12
SINGLE UNSWITCHED SOCKET		13A	M95(95x95mm)		**137.6001**	12

[1)] *RCD protection (passive) Idn=30mA.*

French standard 2P+E 16A
German standard 2P+E 16A
Italian standard P17/11 2P+E 16A
Italian standard P30 2P+E 16A
Pluristandard P40 2P+E 16A
British standard 2P+E 13A
British standard 2P+E 15A
Swiss standard 2P+E 10A
Argentinian standard 2P+E 10A
Brazilian standard 2P+E 10A
New Zealand standard 2P+E 10A

FLUSH MOUNTING - IP66 >> CONTROL DEVICES >> 1 GANG



Description	Current	Dimensions	Warning light	Code	
REVERSING SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.3111**	12
	20AX	M95(95x95mm)	WITH NEON	**137.3112**	12
DP SWITCH	20A	M95(95x95mm)	WITH NEON	**137.3462**	12
SP BELL PUSH SWITCH "BELL"	10A	M95(95x95mm)	WITH NEON	**137.3311B**	12
SP BELL PUSH SWITCH "PRESS"	10A	M95(95x95mm)	WITH NEON	**137.3311P**	12
SP ONE WAY SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.3011**	12
	20AX	M95(95x95mm)	WITH NEON	**137.3012**	12
SP TWO WAY SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.3211**	12
	20AX	M95(95x95mm)	WITH NEON	**137.3212**	12

Flush mounting: box not included.

FLUSH MOUNTING - IP66 >> CONTROL DEVICES >> 2 GANG



Description	Current	Dimensions	Warning light	Code	
SP ONE WAY SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.3021**	12
	20AX	M95(95x95mm)	WITH NEON	**137.3022**	12
SP TWO WAY SWITCH	10AX	M95(95x95mm)	WITH NEON	**137.3221**	12
	20AX	M95(95x95mm)	WITH NEON	**137.3222**	12
PUSH BUTTON SINGLE POLE 2 GANG	10A	M95(95x95mm)	WITH NEON	**137.3321**	12

Flush mounting: box not included.

FLUSH MOUNTING - IP66 >> SPUR UNITS



Description	Type	Current	Dimensions	Code	
SPUR UNIT	WITH FUSE AND SWITCH	13A	M115(115x115mm)	**137.3410**	12

Flush mounting: box not included.

FLUSH MOUNTING - IP66 >> MODULAR SOCKET OUTLETS



Description	Type	Current	Dimensions	Code	
RJ45 OUTLET			M95(95x95mm)	**137.4581.60** [1]	12
GERMAN STANDARD SOCKET		16A	M95(95x95mm)	**137.4507**	12
ITALIAN P30 STANDARD SOCKET		16A	M95(95x95mm)	**137.4504**	12
ITALIAN P40 STANDARD SOCKET		16A	M95(95x95mm)	**137.4505**	12
ITALIAN P17/11 STANDARD SOCKET		16A	M95(95x95mm)	**137.4503**	12
FRENCH STANDARD SOCKET		16A	M95(95x95mm)	**137.4511**	12
ARGENTINIAN STANDARD SOCKET		10A	M95(95x95mm)	**137.4524**	12
		20A	M95(95x95mm)	**137.4526**	12
NEOZELANDER STANDARD SOCKET		10A	M95(95x95mm)	**137.4527**	12
SWISS STANDARD SOCKET		10A	M95(95x95mm)	**137.4517**	12
BRAZILIAN STANDARD SOCKET		10A	M95(95x95mm)	**137.4521**	12

Flush mounting: box not included.

[1] *RJ45 - Cat.6.*

FLUSH MOUNTING - IP66 >> BS SOCKET OUTLETS



Description	Type	Current	Dimensions	Warning light	Code	
13A SOCKET + 20A DP SWITCH		13A	M95x2(195x95mm)		**137.4003** [3]	12
DOUBLE DP SWITCHSOCKET		13A	M195(195x115mm)	WITH NEON	**137.4042** [2]	12
		13A	M195(195x115mm)	WITH NEON	**137.4043** [1] [2]	12
DOUBLE UNSWITCHED SOCKET		13A	M95x2(195x95mm)		**137.4002** [3]	12
SINGLE DP SWITCHSOCKET		13A	M115(115x115mm)	WITH NEON	**137.4022** [2]	12
SINGLE SP SWITCHSOCKET		15A	M115(115x115mm)		**137.4111** [2]	12
SINGLE UNSWITCHED SOCKET		13A	M95(95x95mm)		**137.4001** [2]	12

[1] *RCD protection (passive) Idn=30mA.*
[2] *Flush mounting: box not included.*
[3] *Flush mounting: box included.*

French standard 2P+E 16A
German standard 2P+E 16A
Italian standard P17/11 2P+E 16A
Italian standard P30 2P+E 16A
Pluristandard P40 2P+E 16A
British standard 2P+E 13A
British standard 2P+E 15A
Swiss standard 2P+E 10A
Argentinian standard 2P+E 10A
Brazilian standard 2P+E 10A
New Zealand standard 2P+E 10A

FLUSH MOUNTING - IP66 >> FLUSH MOUNTING BOX



Description	Dimensions	Code	
FLUSH MOUNTING BOX	M95(95x95mm)	**137.121**	12



Description	Dimensions	Code	
FLUSH MOUNTING BOX	M95x2(195x95mm)	**137.122**	12



Description	Dimensions	Code	
FLUSH MOUNTING BOX	M115(115x115mm)	**137.123**	12



Description	Dimensions	Code	
FLUSH MOUNTING BOX	M195(195x115mm)	**137.124**	12

FLUSH MOUNTING - IP66 >> SURFACE MOUNTING BOX



Description	Dimensions	Code	
SURFACE MOUNTING BOX	M95(95x95mm)	**137.101**	12



Description	Dimensions	Code	
SURFACE MOUNTING BOX	M95x2(195x95mm)	**137.102**	12



Description	Dimensions	Code	
SURFACE MOUNTING BOX	M115(115x115mm)	**137.103**	12



Description	Dimensions	Code	
SURFACE MOUNTING BOX	M195(195x115mm)	**137.104**	12

FLUSH MOUNTING - IP66 >> BOX



Description	Dimensions	Code	
TOP POLE ENCLOSURE	M95(95x95mm)	**137.131**	12

Accepts SCAME EVOLUTION Series inserts.
The package includes the adapter for Ø 50mm pole.



Description	Dimensions	Code	
SIDE BY SIDE POLE	M95(95x95mm)	**137.141**	12

Accepts SCAME EVOLUTION Series inserts.
The package includes the adapter for Ø 50mm pole.

FLUSH MOUNTING - IP66 >> ADAPTER M95



Description	Dimensions	Code	
ADAPTER	M95(95x95mm)	**137.125**	12/120

The IP55 degree of protection is obtained with the cover closed and with the item installed on smooth, impermeable walls without grooves (smooth tiles, marble).

FLUSH MOUNTING - IP66 >> ADAPTER 70X87MM



Description	Dimensions	Code	
PRE DRILLED COVER WITH FLANGE	M95(95x95mm)	**137.151**	12

70x87mm cut-outs.

FLUSH MOUNTING - IP66 >> EMPTY ENCLOSURE



Description	Dimensions	Code	
EMPTY ENCLOSURE	M95(95x95mm)	**137.001**	12
	M95(95x95mm) 2 MOD.	**137.002**	12

Accepts SCAME EVOLUTION Series inserts.

FLUSH MOUNTING - IP66 >> EMPTY ENCLOSURE WITH TILTING FRAME



Description	Dimensions	Code	
EMPTY ENCLOSURE	M95(95X95mm) 2 MOD.	**137.003**	12

Accept SCAME EVOLUTION Series inserts.

FLUSH MOUNTING - IP66 >> ACCESSORIES



Description	Code	
EARTH TERMINAL	**137.201**	10/100



Description	Code	
SEALING CAPS	**137.203**	200



Description	Code	
LED 220V	**137.200**	10/100



Description	Code	
TPE SEAL	**137.202**	10/100



UNIBOX[+EVOLUION] Series

UNIBOX is a complete range of modular enclosures for switches and domestic socket outlets, made of impact-resistant and UV-resistant technopolymer. Ideal for residential, domestic and tertiary environments. Available as flush and surface mounting versions, with IP40 and IP55 protection degree.

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EMPTY BOX (SURFACE MOUNTING) >> WITHOUT COVER - IP40



Dimensions	Colour	Code	
68x82x52mm		**136.4121**	100

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.



Dimensions	Colour	Code	
68x82x52mm		**136.4122**	100

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.



Dimensions	Colour	Code	
98x82x52mm		**136.4123**	60

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.



Dimensions	Colour	Code	
137x82x66mm		**136.4124**	24

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.



Dimensions	Colour	Code	
198x82x66mm		**136.4126**	16

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.

EMPTY BOX (SURFACE MOUNTING) >> WITH COVER - IP55



Dimensions	Colour	Code	
68x82x66mm		**136.5121**	80

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.



Dimensions	Colour	Code	
68x82x66mm		**136.5122**	80

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.



Dimensions	Colour	Code	
98x82x66mm		**136.5123**	60

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.



Dimensions	Colour	Code	
137x82x66mm		**136.5124**	24

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.



Dimensions	Colour	Code	
198x82x66mm		**136.5126**	16

Accepts SCAME EVOLUTION Series inserts.
Cable inlet: 3 knock-outs Ø23 mm and one with cable gland PG16.

PREASSEMBLED BOX >> IP40 - 3 MOD



Sockets	Switches	Dimensions	Colour	Code	
1x13A BRITISH SOCKET	1x16AX 2W S.P. SWITCH	98x82x52mm		**136.4123-413**	50
1x15A BRITISH SOCKET	1x16AX 2W S.P. SWITCH	98x82x52mm		**136.4123-414**	1/50
1x16A FRENCH SOCKET	1x16AX 2W S.P. SWITCH	98x82x52mm		**136.4123-411**	50

PREASSEMBLED BOX >> IP55 - 1 MOD



Sockets	Switches	Dimensions	Colour	Code	
1x16A SUISSE SOCKET		68x82x66mm		**136.5121-417**	32/128
	1x16AX 1W S.P. SWITCH	68x82x66mm		**136.5121-303**	32/128
	1x16AX 2W S.P. SWITCH	68x82x66mm		**136.5121-323**	32/128
	1x16A S.P. PUSH BUTTON	68x82x66mm		**136.5121-333**	32/128
	1x20AX 1W D.P. SWITCH	68x82x66mm		**136.5121-302**	32/128
	1x20AX 1W D.P.SWITCH WITH NEON	68x82x66mm		**136.5121-304**	32/128

PREASSEMBLED BOX >> IP55 - 2 MOD



Sockets	Switches	Dimensions	Colour	Code	
1x13A BRITISH SOCKET		68x82x66mm		**136.5122-413**	32/128
1x15A BRITISH SOCKET		68x82x66mm		**136.5122-414**	32/128
1x16A FRENCH SOCKET		68x82x66mm		**136.5122-411**	32/128
1x16A GERMAN SHUTTERED SOCKET		68x82x66mm		**136.5122-407**	32/128
1x10A NEW ZEALAND SOCKET		68x82x66mm		**136.5122-427**	32/128
1x6-16A INDIAN SOCKET		68x82x66mm		**136.5122-429**	32/128
1x16A P30 SOCKET		68x82x66mm		**136.5122-404**	32/128
	2x16AX 1W S.P. SWITCH	68x82x66mm		**136.5122-303**	32/128
	2x16AX 2W S.P. SWITCH	68x82x66mm		**136.5122-323**	32/128

PREASSEMBLED BOX >> IP55 - 3 MOD



Sockets	Switches	Dimensions	Colour	Code	
1x13A BRITISH SOCKET	1x16AX 1W S.P. SWITCH	98x82x66mm		**136.5123-413**	24/96
1x15A BRITISH SOCKET	1x16AX 1W S.P. SWITCH	98x82x66mm		**136.5123-414**	24/96
1x16A FRENCH SOCKET	1x16AX 1W S.P. SWITCH	98x82x66mm		**136.5123-411**	24/96
1x16A GERMAN SHUTTERED SOCKET	1x16AX 1W S.P. SWITCH	98x82x66mm		**136.5123-407**	24/96
1x6-16A INDIAN SOCKET	1x16AX 1W S.P. SWITCH	98x82x66mm		**136.5123-429**	24/96
1x16A P30 SOCKET	1x16AX 1W S.P. SWITCH	98x82x66mm		**136.5123-404**	
	3x16AX 1W S.P. SWITCH	98x82x66mm		**136.5123-303**	24/96
	3x16AX 2W S.P. SWITCH	98x82x66mm		**136.5123-323**	24/96

PREASSEMBLED BOX >> IP55 - 2+2 MOD



Sockets	Switches	Dimensions	Colour	Code	
2x13A BRITISH SOCKET		137x82x66mm		**136.5124-413**	24
2x16A FRENCH SOCKET		137x82x66mm		**136.5124-411**	24
2x16A GERMAN SHUTTERED SOCKET		137x82x66mm		**136.5124-407**	24
	4x16AX 1W S.P. SWITCH	137x82x66mm		**136.5124-303**	24
	4x16AX 2W S.P. SWITCH	137x82x66mm		**136.5124-323**	24

PREASSEMBLED BOX >> IP55 - 3+3 MOD



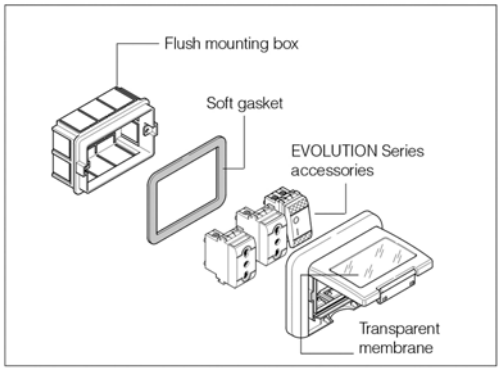
Sockets	Switches	Dimensions	Colour	Code	
2x13A BRITISH SOCKET	2x16AX 1W S.P. SWITCH	198x82x66mm		**136.5126-413**	16
2x16A FRENCH SOCKET	2x16AX 1W S.P. SWITCH	198x82x66mm		**136.5126-411**	16
2x16A GERMAN SHUTTERED SOCKET	2x16AX 1W S.P. SWITCH	198x82x66mm		**136.5126-407**	16
	6x16AX 1W S.P. SWITCH	198x82x66mm		**136.5126-303**	16
	6x16AX 2W S.P. SWITCH	198x82x66mm		**136.5126-323**	16

EMPTY BOX (PANEL MOUNTING)



Dimensions	Colour	Code	
120x98x28mm		**136.5023**	85
120x98x28mm		**136.5023.AT**	85

The IP55 protection degree becomes IP20 when the cover is open.



UNIBOX Series
Examples of installation (wall housing - IP55).

ACCESSORIES



Description	Colour	Code	
COUPLER		**805.3334**	10/50



Description	Colour	Code	
EARTH TERMINAL		**654.0376**	20/200

Only for surface mounting enclosure.



Description	Colour	Code	
WALL MOUNTING BRACKETS KIT		**136.001**	10

Only for surface mounting enclosure.



Description	Colour	Code	
SEALING CAPS		**654.0080**	10/100

For providing total insulation e according to EN 60439-1.
Only for surface mounting enclosure.



EVOLUTION Series

EVOLUTION is a complete range of modular switches and sockets for flush mounting installation according to Italian Standard. The frontplates, available in different designs and colors, are elegant and modern, able to adapt to any environment. The electrical socket outlets are available in the main Italian and International standards.

technical sheet **p. 890**

DEVICES >> COVERS AND PLATES FOR PUSH BUTTON >> BLANK COVER



Description	N.° modules	Colour	Code	
BLANK PLATE	1 MOD.		**101.6201.G**	100/800
			101.6201	100/800

DEVICES >> COVERS AND PLATES FOR PUSH BUTTON >> CABLE OUTLET



Description	N.° modules	Colour	Code	
CABLE OUTLET	1 MOD.		**101.6203.G**	100

DEVICES >> CONTROL DEVICES >> SWITCHES



Description	Type	Current	Volt	Warning light	Colour	Code	
ONE WAY SWITCH	DOUBLE POLE	16AX	250			**101.6302.G**	12/480
	DOUBLE POLE	16AX	250			**101.6302**	12/480
	DOUBLE POLE	16AX	250	WITH NEON		**101.6304.G** [2)]	12/480
	DOUBLE POLE	16AX	250	WITH NEON		**101.6304** [2)]	12/480
	DOUBLE POLE	20AX	250			**101.6302.20G**	12/480
	DOUBLE POLE	20AX	250	WITH NEON		**101.6304.20G** [2)]	12/480
	SINGLE POLE	16AX	250	ILLUMINABLE		**101.6303.G** [1)]	12/480
	SINGLE POLE	16AX	250	ILLUMINABLE		**101.6303** [1)]	12/480

[1)] *Neon available as accessory.*
[2)] *Neon included.*

DEVICES >> CONTROL DEVICES >> REVERSING SWITCH



Description	Current	Volt	Colour	Code	
REVERSING SWITCH	16AX	250		**101.6311.G**	12/480
	16AX	250		**101.6311**	12/480

Neon not available.

DEVICES >> CONTROL DEVICES >> TWO WAY SWITCH



Description	Type	Current	Volt	Colour	Code	
TWO WAY SWITCH	SINGLE POLE	16AX	250		**101.6323.G**	12/480
	SINGLE POLE	16AX	250		**101.6323**	12/480

Neon available as accessory.

DEVICES >> CONTROL DEVICES >> PUSH BUTTON (NO)



Description	Type	Current	Volt	Warning light	Colour	Code	
PUSH BUTTON	DOUBLE POLE	16A	250			**101.6332.G**	12/480
	DOUBLE POLE	16A	250			**101.6332**	12/480
	SINGLE POLE	10A	250	ILLUMINABLE		**101.6204** [1]	6/240
	SINGLE POLE	16A	250	ILLUMINABLE		**101.6333.G** [1]	12/480
	SINGLE POLE	16A	250	ILLUMINABLE		**101.6333** [1]	12/480
	FOR SHUTTERS - SINGLE POLE	10A	250			**101.63312.G**	12/480
	FOR SHUTTERS - SINGLE POLE	10A	250			**101.63312**	12/480
	CORD OPERATED	16A	250			**101.6331T.G**	6/240
	CORD OPERATED	16A	250			**101.6331T**	6/240

[1] *Neon available as accessory.*
[2] *Neon included.*

DEVICES >> CONTROL DEVICES >> MINIATURE CIRCUIT BREAKERS (MCB) 3KA 1P+N



Description	Current	Volt	Colour	Code	
MCB	10A	250		**101.6340.10G**	12/480
	10A	250		**101.6340.10**	12/480
	16A	250		**101.6340.G**	12/480
	16A	250		**101.6340**	12/480

DEVICES >> CONTROL DEVICES >> MINIATURE CIRCUIT BREAKERS AND RESIDUAL CURRENT (RCBO) 3KA-10MA 1P+N



Description	Current	Volt	Colour	Code	
RCBO	10A	250		**101.6341.10G**	6/240
	10A	250		**101.6341.10**	6/240
	16A	250		**101.6341.G**	6/240
	16A	250		**101.6341**	6/240

DEVICES >> CONTROL DEVICES >> FUSE HOLDER



Description	Volt	Colour	Code	
FUSE HOLDER	250		**101.6345.G**	12/480
	250		**101.6345**	12/480

Fuse 6,3x32mm.

DEVICES >> SOCKET-OUTLETS >> FOR ENERGY (EUROPEAN STANDARD)



Description	Type	Current	Volt	Colour	Code	
SOCKET		16A	250		**101.6411.G**	6/240
		16A	250		**101.6411**	6/240
		15A	250		**101.6414.G**	6/240
		15A	250		**101.6414**	6/240
		16A	250		**101.6407.R**	6/240
		16A	250		**101.6407.G**	6/240
		16A	250		**101.6407**	6/240
		16A	250		**101.6404.R**	6/240
		16A	250		**101.6404.G**	6/240
		16A	250		**101.6404**	6/240
		16A	250		**101.6405.R**	6/240
		16A	250		**101.6405.G**	6/240
		16A	250		**101.6405**	6/240
		13A	250		**101.6413.G**	6/240
		13A	250		**101.6413**	6/240
		16A	250		**101.6403.R**	12/480
		16A	250		**101.6403.G**	12/480
		16A	250		**101.6403**	12/480
		10A	250		**101.6417.G**	12/480
		10A	250		**101.6401.G**	12/480
		10A	250		**101.6401**	12/480

[1] *Shutterless socket, subject to normative restrictions or prohibitions in Europe or in other geographical areas. Check the national laws prior to using or installing it.*

Italian standard P11 2P+E 10A
Italian standard P17/11 2P+E 16A
French standard 2P+E 16A
German standard 2P+E 16A
Italian standard P30 2P+E 16A
Pluristandard P40 2P+E 16A
British standard 2P+E 13A
British standard 2P+E 15A
Swiss standard 2P+E 10A

DEVICES >> SOCKET-OUTLETS >> FOR ENERGY (INTERNATIONAL STANDARD)



Description	N.° modules	Type	Current	Volt	Colour	Code	
SOCKET	1 MOD.		10A	250		**101.6425.G**	12/480
			10A	250		**101.6425**	12/480
			10A	250		**101.6421.G**	12/480
			10A	250		**101.6421**	12/480
	2 MOD.		10A	250		**101.6424.G**	6/240
			10A	250		**101.6424**	6/240
			20A	250		**101.6426.G**	6/240
			20A	250		**101.6426**	6/240
			10A	250		**101.6427.G**	6/240
			10A	250		**101.6427**	6/240
			16A	250		**101.6428.G**	6/240
			16A	250		**101.6428**	6/240
			6A 16A	250		**101.6429.G**	6/240

DEVICES >> SOCKET-OUTLETS >> DIN RAIL



Description	N.° modules	Type	Current	Volt	Colour	Code	
SOCKET	1 MOD.		16A	250		**101.6403.GD**	6
			10A	250		**101.6417.GD**	6
	2 MOD.		16A	250		**101.6411.GD**	6
			16A	250		**101.6407.GD**	6
			16A	250		**101.6405.GD**	6
			13A	250		**101.6413.GD**	6
			10A	250		**101.6424.GD**	6
			16A	250		**101.6428.GD**	6

Insert mounted on DIN support.

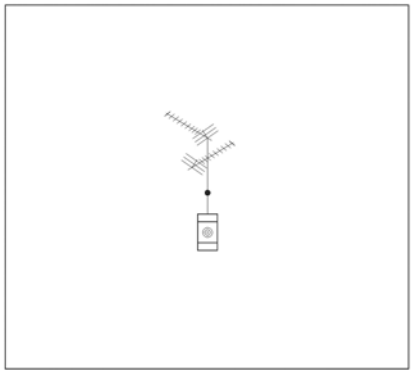
French standard 2P+E 16A | German standard 2P+E 16A | Pluristandard P40 2P+E 16A | British standard 2P+E 13A | Swiss standard 2P+E 10A | Argentinian standard 2P+E 10A | Argentinian standard 2P+E 20A | New Zealand standard 2P+E 10A | South African standard 2P+E 16A | Indian standard 2P+E 6A-16A

DEVICES >> SOCKET-OUTLETS >> TV/SAT OUTLETS

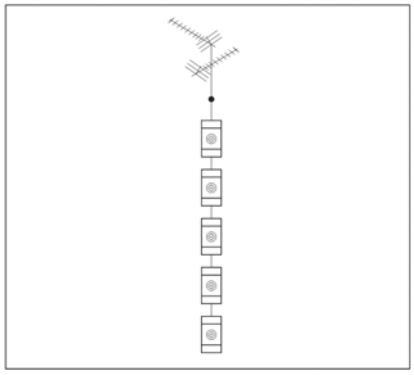


Description	Type	Colour	Code	
TV OUTLET	MALE		**101.6431.01G** [2]	12/480
	MALE		**101.6431.10G** [3]	12/480
	MALE		**101.6431.G** [1]	12/480
	MALE		**101.6431** [1]	12/480
	MALE		**101.6431.01** [2]	12/480
	MALE		**101.6431.10** [3]	12/480
SAT OUTLET			**101.6433.G**	12/480
			101.6433	12/480

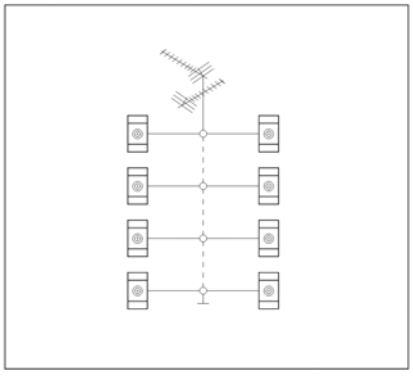
[1] *Direct.*
[2] *Terminal 75Ω.*
[3] *Attenuation 10dB.*



EVOLUTION Series
Direct.



EVOLUTION Series
Attenuation.



EVOLUTION Series
Terminal.

DEVICES >> SOCKET-OUTLETS >> TELEPHONE OUTLETS



Description	Type	Volt	Colour	Code	
RJ11 OUTLET	1x6/4 PLUG			**101.6461.64G**	12/480
	1x6/4 PLUG			**101.6461.64**	12/480

DEVICES >> SOCKET-OUTLETS >> DATA COMMUNICATION OUTLETS (RJ45 - PLUG 8/8)



Description	Type	Colour	Code	
SUPPORT	SELF-BEARING		**101.6481.G**	6/240
	SELF-BEARING		**101.6481**	6/240
RJ45 OUTLET	CAT.6 UNSHIELDED (UTP)		**101.6481.60G**	6/240
	CAT.6 UNSHIELDED (UTP)		**101.6481.60**	6/240
	CAT.6 SHIELDED (FTP)		**101.6481.61G**	6/240
	CAT.6 SHIELDED (FTP)		**101.6481.61**	6/240

DEVICES >> SOCKET-OUTLETS >> USB



Description	Colour	Code	
USB OUTLET		**101.6482.G**	12
		101.6482	12

DEVICES >> SIGNAL DEVICES >> BUZZERS



Description	Volt	Colour	Code	
BUZZER	230		**101.6501.G**	12/480
	230		**101.6501**	12/480

DEVICES >> SIGNAL DEVICES >> BELLS



Description	Volt	Colour	Code	
BELL	230		**101.6503.G**	12/480
	230		**101.6503**	12/480

SUPPORT AND ACCESSORIES >> NEON LAMPS



Description	Volt	Colour	Code	
NEON LAMPS	230	NEUTRAL	**101.6200**	100

SUPPORT AND ACCESSORIES >> SUPPORT DIN



Description	N.° modules	Colour	Code	
DIN RAIL BRACKET	1 MOD.		**654.0091**	12/120
	2 MOD.		**654.0092**	12/120



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SPLASHPROOF DOMESTIC SOCKET OUTLETS



REFERENCE STANDARDS

CEI 23-50

IEC 60884-1

NF C61-314

BS 1363

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Panel mounting flange 50x60mm



Panel mounting flange 70x87mm



Surface mounting flange 70x87mm

TECHNICAL CHARACTERISTICS

Rated current:	**10A-13A-16A-20A**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP54 (closed cover)**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C (enclosure)** **850°C (contact carrier)**
Impact resistance (IK degree):	**IK08**
Material:	**Thermoplastic (Halogen Free)**
Cabling capacity of the terminals:	**1mm²÷2,5mm² (10A)** **1,5mm²÷2,5mm² (13A)** **1,5mm²÷4mm² (16A)** **2,5mm²÷6mm² (20A)**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SPLASHPROOF DOMESTIC SOCKET OUTLETS



REFERENCE STANDARDS

CEI 23-50

IEC 60884-1

NF C61-314

BS 1363

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Connectors



Plugs



Flush mounting sockets
- Flange 70x87mm
- Flange 75x75mm

TECHNICAL CHARACTERISTICS

Rated current:	**10A-13A-16A-20A**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP66/IP67/IP69 (closed cover)**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C (enclosure)** **850°C (contact carrier)**
Impact resistance (IK degree):	**IK08**
Material:	**Thermoplastic (Halogen Free)**
Cabling capacity of the terminals:	**1mm²÷2,5mm² (10A)** **1,5mm²÷2,5mm² (13A)** **1,5mm²÷4mm² (16A)** **2,5mm²÷6mm² (20A)**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WATERTIGHT DOMESTIC SOCKET OUTLETS WITH PLUG INSTERTED



VERSIONS



Flush mounting flange
70x87mm IP66



Empty flush mounting
enclosure flange 70x87[1)]

[1)] *Accepts Evolution Series inserts.*

REFERENCE STANDARDS

CEI 23-50
EN 60670-1
IRAM 2071
SANS 164-1
IEC 60884-1
BS 1363
BS 546
NF C61-303

MARKINGS AND DIRECTIVES

QUALITY MARKS

TECHNICAL CHARACTERISTICS

Rated current:	**10A-13A-15A-16A**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP66 (also with plug inserted)**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C (enclosure)** **850°C (contact carrier)**
Impact resistance (IK degree):	**IK08**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL 7035 (base)** **Tinted (cover)**
Cabling capacity of the terminals:	**1mm²÷2,5mm² (10A)** **1,5mm²÷2,5mm² (13A-15A)** **1,5mm²÷4mm² (16A)**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

INDUSTRIAL PLUGS AND SOCKETS



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Plugs 90° angled



Flush mounting appliance inlets
90° angled



Connectors 90° angled



Flush mounting socket outlets
90° angled

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**>50÷690V**
Frequency:	**50÷500Hz, DC**
Insulating voltage:	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree:	**IP44 - IP66/IP67**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL 7035**
Impact resistance (IK degree):	**IK07**
Construction characteristics/ type of closure:	**Separate body and handle / Snap-on (without screws)**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (socket contact carrier)**
Mobile versions cable entry device:	**IP44 Cable** **IP66/IP67 Cable gland**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			16A	32A
Cross-section of the connectable conductors	mm^2	Min	1.5	2.5
		Max	4	10
Tightening torque	Nm		0.8	0.8

MAX. CABLE SIZE ACCEPTED BY THE CABLE CLAMP

Rated current			16A	32A
Outside Ø mm	mm	Min	8	11.5
		Max	11.5	21

INDUSTRIAL PLUGS AND SOCKET OUTLETS UL/CSA LISTED



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

UL 1682

UL 1686

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Plugs



Flush mounting appliance inlets



Connectors



Flush mounting socket outlets

TECHNICAL CHARACTERISTICS

Rated current:	**20A-30A-60A-100A**
Rated voltage:	**125V÷600V**
Frequency:	**50/60Hz**
Insulating voltage:	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree:	**IP44 - IP67**
Installation temperature:	**-25°C +70°C**
Enclosure material:	**Thermoplastic** **Valox (Halogen Free)**
Colour:	**Grey RAL 7004**
Impact resistance (IK degree):	**IK10**
Construction characteristics/ type of closure:	**Separate body and handle /** **Snap-on (without screws)**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (socket contact carrier)**
Self-extinguishing (UL94):	**V1 (3mm)**
Cable entries:	**IP44 (splashproof)** **Cable sleeve** **IP67 (watertight)** **External cable gland/cable clamp**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			20A	30A	60A	100A
Cross-section of the connectable conductors	AWG (mm^2)	Min	14 (1)	12 (2.5)	6 (16)	4 (25)
		Max	10 (6)	8 (10)	4 (25)	1 (70)
Tightening torque	lbs-in (Nm)		7 (0.8)	7 (0.8)	20 (2.2)	50 (5.6)

MAX. CABLE SIZE ACCEPTED BY THE CABLE CLAMP

Rated current				20A	30A	60A	100A
Outside Ø mm	mm	Min	inch (mm)	.570 (14)	.675 (17)	.937 (24)	1.265 (35)
		Max		.710 (18)	.910 (23)	1.375 (35)	1.790 (45)

INDUSTRIAL PLUGS AND SOCKETS



VERSIONS



Plugs



Flush mounting appliance inlets



Surface mounting appliance inlets



Connectors



Flush mounting socket outlets



Surface mounting socket outlets

REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

MARKINGS AND DIRECTIVES

QUALITY MARKS

TECHNICAL CHARACTERISTICS

Rated current:	Mobile and flush mounting 16A-32A-63A-125A Surface mounting 16A-32A
Rated voltage:	Mobile and flush mounting >50÷690V Surface mounting 100÷415V
Frequency:	Mobile and flush mounting 50÷500Hz, DC Surface mounting 50 /60Hz
Insulating voltage:	2P+E 500V 3P+E / 3P+N+E 690V
Protection degree:	IP44/IP54, IP66/IP67/IP69
Installation temperature:	-25°C +60°C
Enclosure material:	Thermoplastic (Halogen Free)
Colour:	16A-32A Grey RAL7004 (plugs and connectors - flush mounting appliance inlets and flush mounting sockets straight outlet) Grey RAL7035 (flush and surface socket outlets) 63A-125A Grey RAL7004 (plugs and connectors - flush mounting appliance inlets and flush mounting sockets straight outlet) Grey RAL7035 (flush mounting sockets angled outlets)
Impact resistance (IK degree):	IK08
Construction characteristics/ type of closure (mobile versions):	16A-32A Separate body and handle / Snap-on (without screws) 63A-125A Separate body and handle / Screws with threaded inserts (4)
Terminals:	- Screw 16A-32A (all versions) - Perforating 16A (plugs and connectors) - Spring 16A (Flush mounting socket outlets), 32A (plugs, connectors and flush mounting socket outlets) - Mantle 63A-125A (all versions)
Nickel-plated pins:	16A-32A-63A-125A
Self extinguishing degree (GWT):	650°C (body) 850°C (socket contact carrier)
Mobile versions cable entry device:	IP44 cable gland / external cable clamp IP66/IP67 cable gland / external cable clamp
Insulation class (surface mounting versions):	Class II (double insulation) ⧈

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			16A	32A	63A	125A
Cross-section of the connectable conductors	mm^2	Min	1	2.5	6	16
		Max	4	10	25	70
Tightening torque	Nm		0.8	0.8	2	10

CABLE SIZE ACCEPTED BY CABLE GLAND OF MOBILE PLUGS AND CONNECTORS

Rated current			16A	32A	63A	125A
Outside Ø mm	mm	Min	8	11.5	16	24
		Max	15	21	31	48

CABLE ENTRIES SURFACE MOUNTING SOCKET OUTLETS AND APPLIANCE INLETS

16A				32A	
2P+E		3P+E/3P+N+E		Top	Rear
Top	Rear	Top	Rear		
Threaded open entry 1x M20	Blank side	Threaded open entry 1x M25	Blank side	Threaded open entry 1xM32	Blank side

Threaded rubber cable sleeve supplied with IP44/54 versions.
Blank sides with drilling point marks.

SURFACE MOUNTING INDUSTRIAL SOCKET OUTLETS AND APPLIANCE INLETS WITH REVERSIBLE BASE



REFERENCE STANDARDS

IEC EN 60309-1

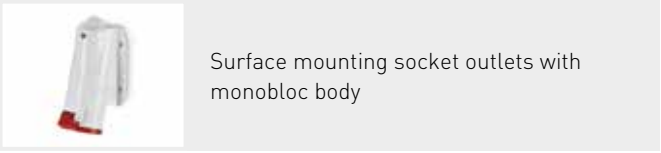
IEC EN 60309-2

IEC EN 60309-4

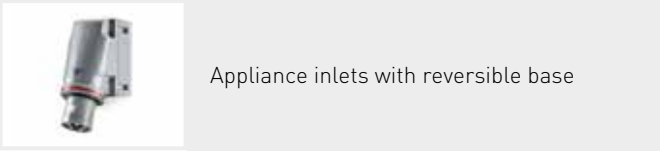
MARKINGS AND DIRECTIVES

QUALITY MARKS

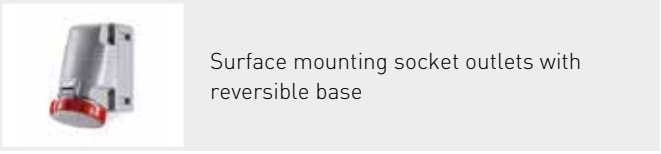
VERSIONS



Surface mounting socket outlets with monobloc body



Appliance inlets with reversible base



Surface mounting socket outlets with reversible base

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A-125A**
Rated voltage:	**>50÷690V**
Frequency:	**50÷500Hz, DC**
Insulating voltage:	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree:	**Base IP44/IP54** **Top IP44, IP66/IP67/IP69**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**16A - 32A Grey RAL7035** **63A - 125A Grey RAL7004**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (socket contact carrier)**
Impact resistance (IK degree):	**IK08**
Insulation class:	**Class II (double insulation)** ⧈

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			16A	32A	63A	125A
Cross-section of the connectable conductors	mm²	Min	1	2.5	6	16
		Max	4	10	25	70
Tightening torque	Nm		0.8	0.8	2	10

CABLE ENTRIES OPTIMA-BASE

16A				32A	
2P+E		3P+E/3P+N+E		Top	Rear
Top	Rear	Top	Rear		
Threaded open entry 1x M20	Knock-outs 1xM20	Threaded open entry 1x M25	Knock-outs 1xM25	Threaded open entry 1xM32	Knock-outs 1xM32

Threaded rubber cable sleeve supplied.

CABLE ENTRIES OPTIMA-TOP 16A-32A

16A				32A	
2P+E[1)]		3P+E/3P+N+E		All polarities	
Top/Bottom	Rear	Top/Bottom	Rear	Top/Bottom	Rear
Threaded open entries 2x M20 / 1xM20	Knock-outs 2x M20	Threaded knock-outs 2xM25 / 1xM25	Knock-outs 2x M25	Threaded knock-outs 2xM32 / 1xM32	Knock-outs 2xM32

Reversible base.
IP44 version 2 threaded caps and 1 threaded rubber cable sleeve supplied.
[1)] *IP66/67 3 version threaded caps supplied.*

CABLE ENTRIES OPTIMA-TOP 63A-125A

63A		125A	
All polarities		All polarities	
Top	Rear	Top	Rear
Threaded open entry 1xM40	Blank side 2xM40 (max)	Threaded open entry 1xM63	Blank side 2xM63 (max)

Cable gland supplied.
Blank sides with drilling point marks.

SURFACE MOUNTING INDUSTRIAL SOCKET OUTLETS WITH DOMESTIC SOCKET INTEGRATED



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Surface mounting socket outlets with domestic socket integrated

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**>50÷690V**
Frequency:	**50/60Hz**
Insulating voltage:	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree:	**IP44/IP54** **(domestic socket IP54 with closed cover/IP20 with open cover)**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**16A - 32A Grey RAL7035**
Self extinguishing degree (GWT):	**650°C (Body)** **850°C (Socket contact carrier)**
Impact resistance (IK degree):	**IK08**
Insulation class:	**Class II (double insulation)** ⧈

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			16A-32A
Cross-section of the connectable conductors	mm²	Min	1,5
		Max	10
Tightening torque	Nm		0.8

CABLE ENTRIES

16A-32A	
Top	**Rear**
Threaded open entry 1xM32	Knock-outs 1x M32

Threaded rubber cable sleeve supplied.

OPTIMA-TOP SWITCH SERIES , OPTIMA-COMBI SWITCH SERIES AND OPTIMA-COMBI REVERSE[L-0-R] SERIES

SURFACE MOUNTING INDUSTRIAL SOCKET OUTLETS WITH SWITCH



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Surface mounting socket outlets with switch



Surface mounting socket outlets with switch and domestic sockets integrated



Surface mounting socket outlets with motor reversing switch and domestic sockets integrated

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**>50÷690V**
Frequency:	**50÷500Hz**
Insulating voltage:	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree:	**Top IP44/IP54 - IP66/IP67/IP69** **Combi IP44/IP54** **(domestic socket IP54 with closed cover/IP20 with open cover)**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL 7035**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (socket contact carrier)**
Impact resistance (IK degree):	**IK08**
Insulation class:	**Class II (double insulation)** ⧈
Auxiliary contacts[1)]:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF and ON**
Padlock arch diameter to be used:	**8mm**

[1)] *Except Combi version with motor reversing switch.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			16A	32A
Cross-section of the connectable conductors	mm^2	Min	1	2.5
		Max	4	10
Tightening torque	Nm		0.8	0.8

CABLE ENTRIES OPTIMA-COMBI SWITCH

16A-32A	
All polarities	
Top	Rear
Threaded open entry 1xM32	Knock-outs 1x M32

Threaded rubber cable sleeve supplied.

CABLE ENTRIES OPTIMA-TOP 16A-32A

16A[1]		32A[1] TS.A version		32A TS version	
Top/Bottom	Rear	Top/Bottom	Rear	Top/Bottom	Rear
Threaded open entries 2x M25 / 1xM25	Knock-outs 2xM20	Threaded open entries 2x M25 / 1xM25	Knock-outs 2xM32	Threaded knock-outs 2xM32 / 1xM32	Knock-outs 2xM32

Reversible base.

[1] *Threaded caps supplied.*

SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS

Switch type					Y1	
Socket outlet rated current					16A	32A
Thermal current		Ithe		A	16	32
Rated operational current Ie	AC21A	Resistive loads, including moderate overloads	415V	A	16	32
			500V	A	16	32
			690V	A	16	32
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	32
			500V	A	16	32
			690V	A	16	32
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	32
			500V	A	16	32
			690V	A	16	25
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phases/3 poles)	400V	A	16	28.5
			600V	A	12	20
	DC22A[1]	Mixed resistive and inductive loads, including moderate overloads	250V	A	16	32
			600V	A	10	10
Rated operational power according to utilization category at 415V	AC23A[2]	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	kW	7.5	15

[1] *4P versions with poles in series.*

[2] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

INDUSTRIAL PLUGS WITH PHASE INVERTER



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Plugs



Flush mounting appliance inlets



Surface mounting appliance inlets

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Polarity:	**3P+E - 3P+N+E**
Rated voltage:	**346 – 415V**
Frequency:	**50/60Hz**
Insulating voltage:	**3P+E / 3P+N+E 690V**
Protection degree:	**IP54/44, IP66/IP67/IP69**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7004**
Impact resistance (IK degree):	**IK08**
Construction characteristics/ type of closure (mobile versions):	**Separate body and handle / Snap-on (without screws)**
Terminals:	**Screw**
Nickel-plated pins:	**16A-32A**
Self extinguishing degree (GWT):	**650°C (body) 850°C (socket contact carrier)**
Mobile versions cable entry device:	**IP44 cable gland/ external cable clamp IP66/IP67 cable gland/ external cable clamp**
Insulation class (surface mounting versions):	**Class II (double insulation)** ⧈

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			16A	32A
Cross-section of the connectable conductors	mm²	Min	1	2.5
		Max	4	10
Tightening torque	Nm		0.8	0.8

CABLE ENTRIES SURFACE MOUNTING APPLIANCE INLETS

16A		32A	
Top	**Rear**	**Top**	**Rear**
Threaded open entry 1x M20	Blank side	Threaded open entry 1xM32	Blank side

Threaded rubber cable sleeve supplied with IP44/54 versions.
Blank sides with drilling point marks.

CABLE SIZE ACCEPTED BY CABLE GLAND OF MOBILE PLUGS

Rated current			16A	32A
Outside Ø mm	mm	Min	8	11.5
		Max	15	21

INDUSTRIAL PLUGS AND SOCKETS FOR HEAVY DUTY APPLICATIONS



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Plugs



Connectors

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A-125A**
Rated voltage:	**>50÷690V**
Frequency:	**50÷500Hz**
Insulating voltage:	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree:	**IP66/IP67/IP69**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**High performances thermoplastic (Halogen Free)**
Colour:	**Grey RAL7016**
Impact resistance (IK degree):	**IK10 (-40°C)**
Construction characteristics/ type of closure:	**16A-32A** **Separate body and handle / Snap-on (without screws)** **63A-125A** **Separate body and handle / Screws with threaded inserts (4)**
Terminals:	**Screw 16A, 32A (all versions)** **Mantle 63A, 125A (all versions)**
Nickel-plated pins:	**16A-32A-63A-125A**
Self extinguishing degree (GWT):	**960°C**
Mobile versions cable entry device:	**IP67 cable gland/ external cable clamp**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			16A	32A	63A	125A
Cross-section of the connectable conductors	mm²	Min	1	2.5	6	16
		Max	4	10	25	70
Tightening torque	Nm		0.8	0.8	2	10

CABLE SIZE ACCEPTED BY CABLE GLAND

Rated current			16A	32A	63A	125A
Outside Ø mm	mm	Min	8	11.5	16	24
		Max	15	21	31	48

7 POLES INDUSTRIAL PLUGS AND SOCKETS



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

MARKINGS AND DIRECTIVES

VERSIONS



Plugs



Flush mounting appliance inlets



Surface mounting appliance inlets



Connectors



Flush mounting socket outlets

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**380 – 415V**
Frequency:	**50/60Hz**
Insulating voltage:	**400V**
Protection degree:	**IP44 - IP66/IP67**
Installation temperature:	**-25°C +40°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7004**
Impact resistance (IK degree):	**IK08**
Mobile versions cable entry device:	**IP44 cable gland/ external cable clamp IP66/IP67 cable gland/ external cable clamp**
Construction characteristics/ type of closure:	**Separate body and handle / Snap-on (without screws)**
Self extinguishing degree (GWT):	**650°C (body) 850°C (socket contact carrier)**



Surface mounting socket outlets

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			16A	32A
Cross-section of the connectable conductors	mm^2	Min	1	2.5
		Max	4	10
Tightening torque	Nm		1	1

CABLE ENTRIES SURFACE MOUNTING APPLIANCE INLETS AND SOCKET OUTLETS

16A		32A	
Top	**Rear**	**Top**	**Rear**
Threaded open entry M25	Knock-out M20-M25	Threaded open entry M25	Knock-out M25

Cap supplied.

MAX. CABLE SIZE ACCEPTED BY THE CABLE CLAMP/CABLE GLAND OF MOBILE PLUGS AND CONNECTORS

Rated current			16A	32A
Outside Ø mm	mm	Min	8	11.5
		Max	16	22

INDUSTRIAL PLUGS AND SOCKETS



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Plugs



Connectors



Surface mounting socket outlets

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**100V – 415V**
Frequency:	**50÷500Hz, DC**
Insulating voltage	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree	**IP44 - IP54**
Installation temperature:	**-25°C +40°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7004**
Impact resistance (IK degree):	**IK08**
Construction characteristics/ type of closure (mobile versions):	**Monobloc/Screws (2)**
Self extinguishing degree (GWT)	**650°C (body)** **850°C (socket contact carrier)**
Mobile versions cable entry device:	**Cable gland IP44 /** **external cable clamp**
Insulation class (surface mounting versions):	**Class II (double insulation)** ⧈

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Rated current			16A	32A
Cross-section of the connectable conductors	mm²	Min	1	2.5
		Max	2.5	10
Tightening torque	Nm		0.8	0.8

MAX. CABLE SIZE ACCEPTED BY THE CABLE CLAMP

Rated current			16A	32A
Outside Ø mm	mm	Min	8	1.5
		Max	11.5	21

CABLE ENTRIES SURFACE MOUNTING VERSIONS

16A		32A	
Top	**Rear**	**Top**	**Rear**
Threaded open entry 1xM25	Blank side 1xM25	Threaded open entry 1xM32	Blank side 1xM32

Threaded rubber cable sleeve supplied.
Blank sides with drilling point marks.

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS >50V



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Without fuse carrier



With fuse carrier



With DIN rail (6 modules)

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A**
Rated voltage:	**>50÷690V**
Frequency:	**50/60Hz – 60Hz – 100-300Hz - >300 – 500Hz – DC**
Insulating voltage:	**2P+E 500V 3P+E / 3P+N+E 690V**
Protection degree:	**IP44 - IP66/IP67**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7035**
Self extinguishing degree (GWT):	**650°C (body) 850°C (socket contact carrier) 960°C (switch)**
Impact resistance (IK degree):	**IK07**
Fuses:	**16A – 32A gG 10,3x38mm 63A Neozed type D02**
Insulation class:	**Class II (double insulation)** ⧈
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF and ON**
Padlock arch diameter to be used:	**5mm**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS

Switch type					Y1		Y2
Switched interlocked socket outlet rated current					16A	32A	63A
Conventional enclosed thermal current Ithe **Ithe**				A	16	32	63
Rated operational current Ie	AC21A	Resistive loads, including moderate overloads	415V	A	16	32	63
			500V	A	16	32	63
			690V	A	16	32	63
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	32	63
			500V	A	16	32	63
			690V	A	16	32	63
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	32	63
			500V	A	16	32	40
			690V	A	16	25	30
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phases/3 poles)	400V	A	16	28.5	40
			600V	A	12	20	25
	DC22A[1]	Mixed resistive and inductive loads, including moderate overloads	250V	A	16	32	63
			600V	A	10	10	-
Rated operational power according to utilization category at 415V	AC23A[2]	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	kW	7.5	15	33

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

[1] *4P versions with poles in series.*

[2] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

Rated current			16A	32A	63A
Cross-section of the connectable conductors	mm	Min	1.5	1.5	6
		Max	10	10	35
Tightening torque	Nm		0.8	0.8	3.6

CABLE ENTRIES

16A-32A			63A	
Compact	Large		Large	
Top	Top	Bottom	Top	Bottom
Threaded open entry 1xM25	Blank sides with drilling point marks max 1xM40	Blank sides with drilling point marks max 1xM32	Blank sides with drilling point marks max 1xM40	Blank sides with drilling point marks max 1xM32

Threaded cap (only Compact) and cable gland supplied.

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS 125A



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Without DIN rail



With DIN rail

TECHNICAL CHARACTERISTICS

Rated current:	**125A**
Rated voltage:	**>50 – 690V**
Frequency:	**50/60Hz**
Insulating voltage:	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree:	**IP66/IP67/IP69**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7004**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (socket contact carrier)** **960°C (switch)**
Impact resistance (IK degree):	**IK09**
Insulation class:	**Class II (double insulation)** ⧈
Auxiliary contacts:	**Max 1 auxiliary contacts**
Handle lock (with padlock):	**OFF and ON**
Padlock arch diameter to be used:	**8mm**
DIN modules (consumer unit version):	**8 modules DIN**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS

Switch type					FR3
Switched interlocked socket outlet rated current					**125A**
Conventional enclosed thermal current **Ithe**				A	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	160
			500V	A	160
			690V	A	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	160
			500V	A	160
			690V	A	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	160
			500V	A	40
			690V	A	30
Rated operational power according to utilization category at 415V	**AC23A**[1)]	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	kW	69

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

Rated current			125A
Cross-section of the connectable conductors	mm	Min	10
		Max	70
Tightening torque	Nm		6

CABLE ENTRIES

125A	
Top	**Bottom**
Blank sides with drilling point marks max 1xM63	Threaded open entry max 1xM63

Threaded cap and cable gland supplied.

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS <50V



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



With SELV transformer 230/24V



With rail DIN (6 modules)

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**20V-25V, 40V-50V, 24V with transformer (16A)**
Frequency:	**50/60Hz**
Insulating voltage:	**50V**
Transformer power[1]:	**150VA**
Protection degree:	**IP44 - IP66/IP67**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7035**
Self extinguishing degree (GWT):	**650°C (body) 850°C (socket contact carrier)**
Impact resistance (IK degree):	**IK08**
Fuses [2]:	**16A gG 10,3x38mm (2A primary circuit- 6A secondary circuit)**
Insulation class:	**Class III (SELV protections)**

[1] *Version with SELV transformer only.*
[2] *Large version only.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

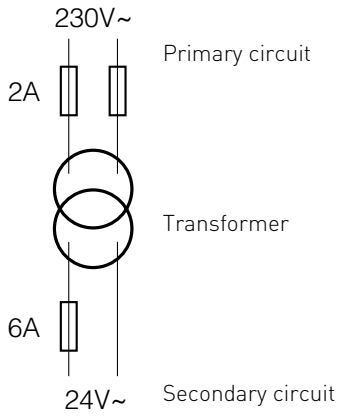
Rated current			16A with transformer	16A without transformer	32A without transformer
Cross-section of the connectable conductors	mm	Min	1	4	4
		Max	4	16	16
Tightening torque	Nm		0.6	1.2	1.2

CABLE ENTRIES

16A-32A		
Compact	**Large**	
Top	**Top**	**Bottom**
Threaded open entry 1xM25	Blank side max 1xM40	Blank side max 1xM32

Blank sides with drilling point marks.
Cap and cable gland with gaskets supplied.

PROTECTIONS FOR THE VERSION WITH TRANSFORMER



Fuses included

MODULAR FIXING PLATES, ENCLOSURES AND INSTALLATION ACCESSORIES



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Modular plates



Enclosures with cut-out



Junction boxes with blank cover



Consumer units

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66**
Installation temperature:	**-25°C +60°C**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7035**
Self extinguishing degree (GWT):	**650°C**
Impact resistance (IK degree):	**IK07**
Insulation class:	**Class II (double insulation)** ⧈
Compatibility:	**ADVANCE2 Series 16A-32A-63A and OMNIA Series 16A-32A**
DIN modules (consumer unit):	
Compact:	**1 socket outlet 16A-32A 4 modules 2 socket outlets 16A-32A 10 modules**
Large:	**1 socket outlet 16A-32A-63A 6 modules 2 socket outlets 16A-32A-63A 13 modules**
Dissipable power:	**COMPACT 1 socket outlet 16-32A: 8W 2 socket outlets 16-32A: 14W LARGE 1 socket outlet 16-32-63A: 9W 2 socket outlets 16-32-63A: 17W**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES

Compact		Large	
Top/Bottom	**Side**	**Top/Bottom**	**Side**
Blank side max M32	Blank side M25	Blank side max M32	Blank side M25

Blank sides with drilling point marks.

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS >50V



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

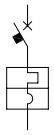
VERSION WITH MECHANICAL INTERLOCK



With switch-disconnector



With switch-disconnector and fuse



With molded case circuit breaker with thermal magnetic trip unit

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A**
Rated voltage:	**>50÷690V**
Frequency:	**50÷500Hz, DC**
Insulating voltage:	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree:	**IP66/IP67/IP69**
Installation temperature:	**-40°C +60°C**
Enclosure material:	**Thermosetting GRP (Halogen Free)**
Colour:	**Grey RAL 7037**
Self extinguishing degree (GWT):	**960°C (body)** **960°C (socket contact carrier)** **960°C (switch)**
Impact resistance (IK degree):	**IK10 (-40°C)**
Fuses:	**16A-32A gG 10,3x38mm *** **63A gG 22x58mm**
Insulation class:	**Class II (double insulation)** ⧈
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF and ON**
Max diameter of the padlock arch for handle padlocking:	**16A-32A 5mm** **63A 6,3mm**

** fuses not provided.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS

Switch type					Y1		Y2
Switched interlocked socket outlet rated current					**16A**	**32A**	**63A**
Conventional enclosed thermal current **Ithe**				A	16	32	63
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	32	63
			500V	A	16	32	63
			690V	A	16	32	63
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	32	63
			500V	A	16	32	63
			690V	A	16	32	63
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	32	63
			500V	A	16	32	40
			690V	A	16	25	30
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	400V	A	16	28.5	40
			600V	A	12	20	25
	DC22A[1)]	Mixed resistive and inductive loads, including moderate overloads	250V	A	16	32	63
			600V	A	10	10	-
Rated operational power according to utilization category at 415V	**AC23A**[2)]	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	kW	7.5	15	33

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

[1)] *4P versions with poles in series.*

[2)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

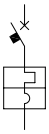
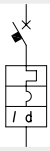
CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

Rated current			16A	32A	63A
Cross-section of the connectable conductors	mm	Min	1.5	1.5	6
		Max	10	10	35
Tightening torque	Nm		0.8	0.8	3.6

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS 125A



VERSIONS WITH MECHANICAL INTERLOCK

	With switch-disconnector
	With switch-disconnector and fuse
	With fuse and switch-disconnector
	With molded case circuit breaker with thermal magnetic trip unit
	With molded case circuit breaker with thermal magnetic and residual current release trip units
	With contactor

REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

TECHNICAL CHARACTERISTICS

Rated current:	**125A**
Rated voltage:	**>50÷690V**
Frequency:	**50/60Hz – 60Hz – 100-300Hz - >300 – 500Hz**
Insulating voltage:	**2P+E 500V 3P+E / 3P+N+E 690V**
Protection degree:	**IP66/IP67/IP68**
Installation temperature:	**-40°C +60°C**
Enclosure material:	**Thermosetting GRP (Halogen Free)**
Colour:	**Grey RAL 7037**
Self extinguishing degree (GWT):	**960°C (body) 960°C (socket contact carrier) 960°C (switch)**
Self extinguishing degree according to UL94:	**Body V0**
Impact resistance (IK degree):	**IK10 (-40°C)**
Fuses:	**NH 00 ***
Insulation class:	**Class II (double insulation)** ⧈
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF and ON**
Max diameter of the padlock arch for handle padlocking:	**6,3mm**

** fuses not provided.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS

Switch type					FR3
Switched interlocked socket outlet rated current					**125A**
Conventional enclosed thermal current **Ithe**				A	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	160
			500V	A	160
			690V	A	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	160
			500V	A	160
			690V	A	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	160
			500V	A	125
			690V	A	100
Rated operational power according to utilization category at 415V	**AC23A**[1)]	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	kW	69

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

MCCB AND RCD DEVICE TECHNICAL CHARACTERISTICS

Switch type			ABB Tmax T1B
Rated current	**In**	A	125
Rated voltage	**Ur**	V	690
Rated impulse withstand voltage	**Uimp**	kV	8
Rated service shortcircuit breaking capacity	**Ics**	kA	18
Ultimate shortcircuit breaking capacity	**Icu**	kA	18
RCD device type			RC221/1 (type A)
Adjustable release		A	0.03-0.3-3

CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

Rated current			125A
Cross-section of the connectable conductors	mm	Min	10
		Max	70
Tightening torque	Nm		6

CABLE ENTRIES

125A	
Top	**Bottom**
Blank side max M63	Blank side max M63

Blank sides with drilling point marks.

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS <50V



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



With SELV transformer
230/24V - 150VA

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**20V-25V-40V-50V-24V with transformer (16A)**
Frequency:	**50/60Hz**
Insulating voltage:	**50V**
Transformer power:	**150VA**
Protection degree:	**IP66/IP67/IP69**
Installation temperature:	**-40°C +60°C**
Enclosure material:	**Thermosetting GRP (Halogen Free)**
Colour:	**Grey RAL 7037**
Self extinguishing degree (GWT):	**960°C (body) 960°C (socket contact carrier)**
Self extinguishing degree according to UL94:	**Body V0**
Impact resistance (IK degree):	**IK10 (-40°C)**
Insulation class:	**Class III (SELV protections)**
Auxiliary contacts:	**Max 2 auxiliary contacts**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLING CAPACITY OF THE ENTRY TERMINALS

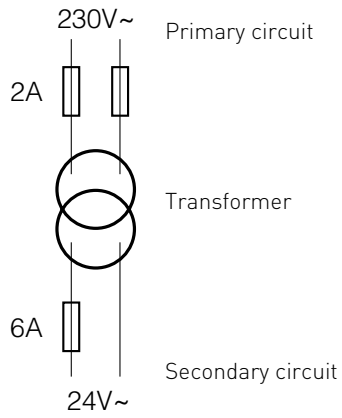
Rated current			16A with transformer	16A without transformer	32A without transformer
Cross-section of the connectable conductors	mm	Min	1	4	4
		Max	4	16	16
Tightening torque	Nm		0.6	1.2	1.2

CABLE ENTRIES

Socket on single box 16A-32A		Socket on base with consumer unit 16A-32A		
Top	**Bottom**	**Top**	**Bottom**	**Side**
Blank side max M32	Blank side max M32	Blank side max M32	Blank side max M32	Blank side max M32

Blank sides with drilling point marks.

PROTECTIONS FOR THE VERSION WITH TRANSFORMER



Fuses included

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS UL/CSA LISTED >50V



VERSIONS



Without base



With base



With base and consumer units 6 DIN

REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

UL 1682

UL 1686

UL 508

UL 60947-4-1

MARKINGS AND DIRECTIVES

QUALITY MARKS

TECHNICAL CHARACTERISTICS

Rated current:	20A-30A-60A
Rated voltage:	>50÷690V
Frequency:	50÷500Hz, DC
Insulating voltage:	2P+E 500V 3P+E / 3P+N+E 690V
Protection degree:	IP66/IP67/IP69
Installation temperature:	-40°C +60°C
Enclosure material:	Thermosetting GRP (Halogen Free)
Colour:	Grey RAL 7037
Self extinguishing degree (GWT):	960°C (body) 960°C (socket contact carrier) 960°C (switch)
Self-extinguishing (UL94):	V0 (3.2mm)
Impact resistance (IK degree):	IK10 (-40°C)
Insulation class:	Class II (double insulation) ⧈
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF and ON
Max diameter of the padlock arch for handle padlocking:	20A-32A 5mm 60A 6,3mm

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS

Corrente nominale uso generale				20A	30A	60A
Tensione nominale di impiego			V	125÷600	125÷600	125÷600
Rated operational power	3 phases	120V	Hp	3	3	5
		240V	Hp	5	7,5	15
		415V	Hp	7,5	10	25
		480V	Hp	10	20	30
		600V	Hp	15	25	40
	Single phase	120	V	2	3	5
		240	V	3	5	10
		480	V	10	15	20
Short-circuit ratings with fuse	RK5 fuses (time delay)		(A) rms	5000	5000	5000
	Class J fuses (fast acting)		(A) rms	10000	10000	10000
Related fuse			A	20	40	80
Minimum electrical endurance			ON/OFF cycles	6000	6000	6000

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

Rated current			20A	30A	60A
Cross-section of the connectable conductors	AWG/mm²	Min	16/1.5	16/1.5	6/10
		Max	6/10	6/10	1/35
Tightening torque	ib-in/Nm		18/2	18/2	31/3.5

CABLE ENTRIES

Socket on single box 20A-30A		Socket on base with consumer unit 20A-30A			Socket on single box 60A		Socket on base with consumer unit 60A		
Top	Bottom	Top	Bottom	Side	Top	Bottom	Top	Bottom	Side
Blank side max M32	Blank side max M32	Blank side max M32	Blank side max M32	Blank side max M32	Blank side max M40	Blank side max M40	Blank side max M40	Blank side max M40	Blank side max M32

Blank sides with drilling point marks.

MODULAR ENCLOSURES AND INSTALLATION ACCESORIES



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Surface mounting boxes



Modular bases with junction box



Modular bases with consumer unit

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66/IP67/IP69**
Installation temperature:	**-40°C +60°C**
Enclosure material:	**Thermosetting GRP (Halogen Free)**
Colour	**Grey RAL 7037**
Self extinguishing degree (GWT):	**960°C**
Impact resistance (IK degree):	**IK10 (-40°C)**
Insulation class:	**Class II (double insulation)** ⧈
Compatibility:	**ADVANCE GRP Series 16A-32A-63A**
DIN modules (consumer unit version):	**1 socket outlet 16A-32A 6 modules 2 socket outlets 16A-32A 13 modules 3 socket outlets 16A-32A 18 modules 1 socket outlet 63A 8 modules**
Dissipable power:	**MODULAR BASE 1 socket outlet 16-32A: 9W 1 socket outlet 63A: 13W 2 socket outlets 16-32A: 16W 3 socket outlet 16-32A: 33W**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES

Single box 16A-32A		Modular base 16A-32A			Single box 63A		Modular base 63A		
Top	**Bottom**	**Top**	**Bottom**	**Side**	**Top**	**Bottom**	**Top**	**Bottom**	**Side**
Blank side max M32	Blank side max M32	Blank side max M32	Blank side max M32	Blank side max M32	Blank side max M40	Blank side max M40	Blank side max M40	Blank side max M40	Blank side max M32

Blank sides with drilling point marks.

COMPACT INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS >50V



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Surface mounting without fuse carrier



Surface mounting with fuse carrier



Flush mounting without fuse carrier



Flush mounting with fuse carrier

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A**
Rated voltage:	**>50÷690V**
Frequency:	**50÷500Hz, DC**
Insulating voltage:	**2P+E 500V** **3P+E / 3P+N+E 690V**
Protection degree:	**IP44, IP66/IP67**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7035**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (socket contact carrier)** **960°C (switch)**
Impact resistance (IK degree):	**IK08**
Fuses:	**16A-32A gG 10,3x38mm ***
Insulation class:	**Class II (double insulation)** ⧈
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF and ON**
Padlock arch diameter to be used:	**4.7mm**

** fuses not provided.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS

Switch type					Y1		Y2
Switched interlocked socket outlet rated current					16A	32A	63A
Thermal current		Ithe		A	16	32	63
Rated operational current Ie	AC21A	Resistive loads, including moderate overloads	415V	A	16	32	63
			500V	A	16	32	63
			690V	A	16	32	63
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	32	63
			500V	A	16	32	63
			690V	A	16	32	63
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	32	63
			500V	A	16	32	40
			690V	A	16	25	30
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phases/3 poles)	400V	A	16	28.5	40
			600V	A	12	20	25
	DC22A[1]	Mixed resistive and inductive loads, including moderate overloads	250V	A	16	32	63
			600V	A	10	10	-
Rated operational power according to utilization category at 415V	AC23A[2]	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	kW	7.5	15	33

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

[1] *4P versions with poles in series.*

[2] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

Rated current			16A	32A	63A
Cross-section of the connectable conductors	mm	Min	1.5	1.5	6
		Max	10	10	35
Tightening torque	Nm		0.8	0.8	3.6

CABLE ENTRIES

16A-32A		63A	
Top	Bottom	Top	Bottom
Blank side M20/M25	Blank side M20/M25	Blank side max M40	Blank side max M32

Blank sides with drilling point marks.

COMPACT INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS <50V



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Surface mounting
- without transformer



Flush mounting
- with transformer
- without transformer

CABLE ENTRIES

16A/32A			
TOP	**BOTTOM**	**SIDE**	**REAR**
Blank side M20/M25	Blank side M20/M25	Blank side M20/M25	Blank side M20/M25

Blank sides with drilling point marks.

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**20V/25V – 40V/50V – 24V with transformer (16A)**
Frequency:	**50/60Hz**
Insulating voltage:	**50V**
Transformer power[1]:	**60VA**
Protection degree:	**IP44 - IP66/IP67**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7035**
Self extinguishing degree (GWT):	**650°C (body) 850°C (socket contact carrier)**
Impact resistance (IK degree):	**IK08**
Insulation class:	**Class III (SELV protections)**

[1] *Version with transformer only.*

CABLING CAPACITY OF THE ENTRY TERMINALS

Rated current			16A with transformer	16A without transformer	32A without transformer
Cross-section of the connectable conductors	mm²	Min	1	4	4
		Max	4	16	16
Tightening torque	Nm		0.6	1.2	1.2

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Resistant**	**Limited resistance**	**Not resistant**	**Not resistant**	**Limited resistance**	**Limited resistance**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

COMPACT DOMESTIC SWITCHED INTERLOCKED SOCKET OUTLETS



REFERENCE STANDARDS

CEI 23-50
IEC 60884-2-6
IEC 60884-1
BS 1363
EN 61009
EN 61543

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS


Without protection


With fuse


With MCB


With RCBO

TECHNICAL CHARACTERISTICS

Rated current:	6A-10A-13A-16A
Rated voltage:	250 V~
Frequency:	50/60Hz
Fuse:	10A - 250V~
MCB:	10A - 1P+N, C10, 3kA 16A - 1P+N, C16, 3kA
RCBO:	10A - 1P+N, C10, 10mA, 3kA 16A - 1P+N, C16, 10mA, 3kA
Protection degree:	IP56 (also with plug inserted)
Installation temperature:	-15°C +60°C
Cabling capacity of the terminals:	0,75mm²÷1,5mm² (6A) 1mm²÷2,5mm² (10A) 1,5mm²÷2,5mm² (13A) 1,5mm²÷4mm² (16A)
Self extinguishing degree (GWT):	650°C (body) 850°C (contact carrier)
Material:	Thermoplastic (Halogen Free)
Impact resistance (IK degree):	IK08
Colour:	Grey RAL 7035 (base) Tinted (lid)

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

MODULAR ENCLOSURES AND INSTALLATION ACCESORIES



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Flush mounting boxes



Surface mounting boxes



Flange adaptors



Modular bases

TECHNICAL CHARACTERISTICS

Protection degree:	**Surface mounting IP66** **Flush mounting IP55**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7035**
Self extinguishing degree (GWT):	**650°C ***
Impact resistance (IK degree)	**IK08**
Insulation class:	**Class II (double insulation)** ⧈
Compatibility: Compatibility:	**OMNIA Series 16A-32A** **OMNIAPLUS Series**
DIN modules (consumer unit version):	**2 socket outlets** **16A-32A 6 modules** **3 socket outlets 16A-32A** **6 modules** **4 socket outlets 16A-32A** **14 modules**

** Box for plasterboard walls 572.0205 GWT 850°C.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Not resistant	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES

Surface mounting boxes		Modular bases	
Top/Bottom	**Side**	**Top/Bottom**	**Side**
Blank sides with drilling point marks max M25 (16A-32A) max M40 (63A)	Blank sides	Blank sides	Blank sides

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS >50V



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

VERSIONS



Surface mounting without fuse carrier



Surface mounting with fuse carrier



Flush mounting without fuse carrier



Flush mounting with fuse carrier

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A**
Rated voltage:	**>50÷690V**
Frequency:	**50/60Hz – 60Hz – 100-300Hz - >300 – 500Hz – DC**
Insulating voltage:	**2P+E 500V 3P+E / 3P+N+E 690V**
Protection degree:	**IP66/IP67/IP69**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7004**
Self extinguishing degree (GWT):	**650°C (body) 850°C (socket contact carrier) 960°C (switch)**
Impact resistance (IK degree):	**16A-32A IK10 63A IK09**
Fuses:	**16A-32A gG 10,3x38mm ***
Insulation class:	**Class II (double insulation)** ⧈
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF and ON**
Padlock arch diameter to be used:	**16A-32A 5mm 63A 6mm**

** fuses not provided.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Resistant**	**Limited resistance**	**Not resistant**	**Not resistant**	**Limited resistance**	**Limited resistance**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS

Switch size					Y1		Y2
Switched interlocked socket outlet rated current					**16A**	**32A**	**63A**
Conventional enclosed thermal current **Ithe**				A	16	32	63
Rated operational current according to utilization category Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	32	63
			500V	A	16	32	63
			690V	A	16	32	63
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	32	63
			500V	A	16	32	63
			690V	A	16	32	63
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	32	63
			500V	A	16	32	40
			690V	A	16	25	30
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase /3 poles)	400V	A	16	28.5	40
			600V	A	12	20	25
	DC22A[1]	Mixed resistive and inductive loads, including moderate overloads	250V	A	16	32	63
			600V	A	10	10	-
Rated operational power according to utilization category at 415V	**AC23A**[2]	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	kW	7.5	15	33

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

[1] *4P versions with poles in series.*

[2] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

Rated current			16A	32A	63A
Cross-section of the connectable conductors	mm	Min	1.5	1.5	6
		Max	10	10	35
Tightening torque	Nm		0.8	0.8	3.6

CABLE ENTRIES

16A-32A		63A	
Top	**Bottom**	**Top**	**Bottom**
Blank side max 1xM32	Blank side max 1xM32	Blank side max 1xM40	Blank side max 1xM32

Blank sides with drilling point marks.

INDUSTRIAL SWITCHED INTERLOCKED SOCKET OUTLETS <50V



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60309-4

MARKINGS AND DIRECTIVES

VERSIONS



With SELV transformer
230/24V~ 150VA



Without transformer

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**20V-25V, 40V-50V, 24V with transformer (16A)**
Frequency:	**50/60Hz**
Insulating voltage:	**50V**
Potenza trasformatore[1]:	**150VA**
Protection degree:	**IP66/IP67/IP69**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7004**
Self extinguishing degree (GWT):	**650°C (Body) 850°C (Socket contact carrier)**
Impact resistance (IK degree):	**IK10**
Insulation class:	**Class III (SELV protections)**

[1] *Version with transformer only.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLING CAPACITY OF THE ENTRY TERMINALS

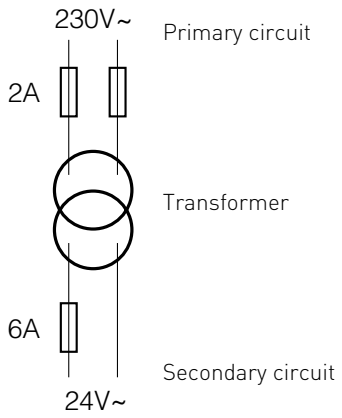
Rated current			16A with transformer	16A without transformer	32A without transformer
Cross-section of the connectable conductors	mm	Min	1	4	4
		Max	4	16	16
Tightening torque	Nm		0.6	1.2	1.2

CABLE ENTRIES

16A-32A		63A	
Top	Bottom	Top	Bottom
Blank side max 1xM32	Blank side max 1xM32	Blank side max 1xM40	Blank side max 1xM32

Blank sides with drilling point marks.

PROTECTIONS FOR THE VERSION WITH TRANSFORMER



Fuses included

MODULAR ENCLOSURES AND INSTALLATION ACCESORIES





REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

VERSIONS



Boxes



Flange adaptors



Modular bases



Distribution assemblies

TECHNICAL CHARACTERISTICS

Protection degree:	**IP65 (versions with consumer unit) IP66 (versions with junction box)**
Installation temperature:	**-25°C +60°C**
Enclosure material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL7004**
Self extinguishing degree (GWT):	**650°C**
Impact resistance (IK degree):	**IK10 (boxes) IK08 (modular bases and distribution assemblies)**
Insulation class:	**Class II (double insulation)** ⧈
Compatibility:	**PROXIMA Series 16A-32A-63A**
DIN modules (modular base):	**1 socket outlet 16A-32A 5 modules 1 socket outlet 63A 7 modules 2 socket outlets 16A-32A 10 modules 3 socket outlets 16A-32A 16 modules 1 socket outlet 63A 7 modules**
DIN modules (distribution assemblies):	**24 modules**
Dissipable power:	**MODULAR BASE 1 socket outlet 16-32A: 10W 2 socket outlets 16-32A: 14W 3 socket outlets 16-32A: 20W 1 socket outlet 63A: 11W DISTRIBUTION ASSEMBLIES 34W**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES

Boxes		
Top	**Bottom**	**Side**
Blank sides with drilling point marks max M32 (16A-32A) max M40 (63A)	Blank sides with drilling point marks max M32 (16A-32A) max M32 (63A)	Black sides

Modular bases		
Top	**Bottom**	**Side**
Blank sides with drilling point marks max M32	Blank sides with drilling point marks max M32	Black sides

Distribution assemblies		
Top	**Bottom**	**Side**
Blank sides with drilling point marks max M40	Blank sides with drilling point marks max M40	Blank sides with drilling point marks max M32

HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS WITH LEVER COUPLING



REFERENCE STANDARDS

IEC EN 60309-1

MARKINGS AND DIRECTIVES

VERSIONS



HDAL250
- Plugs
- Connectors
- Sockets



HDAL500
- Plugs
- Connectors
- Sockets



HDAL800
- Plugs
- Connectors
- Sockets

TECHNICAL CHARACTERISTICS

Rated current:	**160A-250A-320A-370A-420A 500A-570A-800A**
Rated voltage:	**>50÷1000V**
Frequency:	**50÷500Hz, DC**
Insulating voltage:	**1000V**
Protection degree:	**IP67**
Installation temperature:	**-30°C +60°C**
Enclosure material:	**Corrosion proof tempered cast aluminium**
Colour:	**Brushed brass**
Impact resistance (IK degree):	**IK10**
Construction characteristics/ type of closure:	**Separate body and handle / Metric thread screws**
Terminals:	**160A-250A screw 250A-320A-370A-420A 500A-570A-800A To crimp or solder**
Contacts material:	**Silver plated copper alloy**
Self extinguishing degree (GWT):	**960°C (Socket contact carrier)**
Mobile versions cable entry device:	**Cable gland IP67 / External cable clamp with screws**
Plugs/sockets coupling system:	**Lever coupling**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

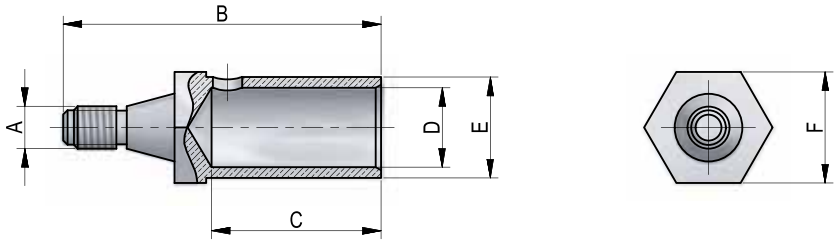
WIRING CAPACITY OF THE TERMINALS

Series	Rated current (A)	Conductor cross section (mm²)	
		min	max
HDAL250	250	16	95
HDAL500	320-370-420-570	95	240
HDAL800	570-800	240	300

MAX CABLE SIZE ACCEPTED BY THE CABLE CLAMP/ CABLE GLAND OF MOBILE PLUGS AND CONNECTORS

Series	Rated current (A)	Cable outside diameter (mm)	
		min	max
HDAL250 (angled handle)	250	32	60
HDAL250 (strainght handle)	250	32	62
HDAL500 (angled handle)	320-370 420-570	45	80
HDAL500 (strainght handle)	320-370 420-570	45	80
HDAL800 (strainght handle)	570-800	52	100

TERMINALS SIZE



Section (mm²)		HDAL250						HDAL500						HDAL800					
		A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
35	3P+E 3P+N+E																		
50	3P+E 3P+N+E	M5	50	29	Ø10,8	Ø14	17	M8	52	24	Ø10,8	Ø14	21						
		M5	50	24	Ø10,8	Ø14	14												
70	3P+E 3P+N+E	M5	50	29	Ø13	Ø17	17	M8	56	29	Ø13	Ø17	21						
		M5	52	29	Ø13	Ø17	14												
95	3P+E 3P+N+E	M5	55	30	Ø15	Ø19	17	M8	60	32	Ø15	Ø19	21						
120	3P+E 3P+N+E							M8	64	35	Ø16,5	Ø21	21						
150	3P+E 3P+N+E							M8	64	35	Ø18,5	Ø22,5	21						
185	3P+E 3P+N+E							M8	62	32	Ø21	Ø25	21						
240	3P+E 3P+N+E							M8	76	43	Ø23	Ø28	21	M10	74	43	Ø23	Ø28	28
300	3P+E 3P+N+E													M10	80	49	Ø27	Ø33	28

HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS WITH SCREW RING NUT COUPLING



REFERENCE STANDARDS

IEC EN 60309-1

MARKINGS AND DIRECTIVES

VERSIONS



HDAS250
- Plugs
- Appliance inlet
- Connectors
- Sockets



HDAS500
- Plugs
- Connectors
- Sockets



HDAS800
- Plugs
- Connectors
- Sockets

TECHNICAL CHARACTERISTICS

Rated current:	**250A-320A-370A-420A 500A-570A-800A**
Rated voltage:	**>50÷1000V**
Frequency:	**50÷500Hz, DC**
Insulating voltage:	**1000V**
Protection degree:	**IP67**
Installation temperature:	**-30°C +60°C**
Enclosure material:	**Corrosion proof tempered cast aluminium**
Colour:	**Brushed brass**
Impact resistance (IK degree):	**IK10**
Construction characteristics/ type of closure:	**Separate body and handle / Metric thread screws**
Terminals:	**250A screw 250A-320A-370A-420A 500A-570A-800A To crimp or solder**
Contacts material:	**Silver plated copper alloy**
Self extinguishing degree (GWT):	**960°C (Socket contact carrier)**
Mobile versions cable entry device:	**Cable gland IP67 / External cable clamp with screws**
Plugs/sockets coupling system:	**Screw ring nut coupling**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

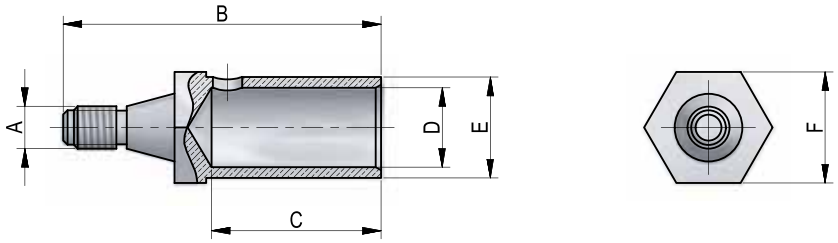
WIRING CAPACITY OF THE TERMINALS

Series	Rated current (A)	Conductor cross section (mm²)	
		min	max
HDAS250	250	16	95
HDAS500	320-370-420-570	95	240
HDAS800	570-800	240	300

MAX CABLE SIZE ACCEPTED BY THE CABLE CLAMP/ CABLE GLAND OF MOBILE PLUGS AND CONNECTORS

Series	Rated current (A)	Cable outside diameter (mm)	
		min	max
HDAS250 (angled handle)	250	32	60
HDAS250 (strainght handle)	250	32	62
HDAS500 (angled handle)	320-370 420-570	45	80
HDAS500 (strainght handle)	320-370 420-570	45	80
HDAS800 (strainght handle)	570-800	52	100

TERMINALS SIZE



Section (mm²)		HDAS250						HDAS500						HDAS800					
		A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
35	3P+E 3P+N+E																		
50	3P+E 3P+N+E	M5	50	29	Ø10,8	Ø14	17	M8	52	24	Ø10,8	Ø14	21						
		M5	50	24	Ø10,8	Ø14	14												
70	3P+E 3P+N+E	M5	50	29	Ø13	Ø17	17	M8	56	29	Ø13	Ø17	21						
		M5	52	29	Ø13	Ø17	14												
95	3P+E 3P+N+E	M5	55	30	Ø15	Ø19	17	M8	60	32	Ø15	Ø19	21						
120	3P+E 3P+N+E							M8	64	35	Ø16,5	Ø21	21						
150	3P+E 3P+N+E							M8	64	35	Ø18,5	Ø22,5	21						
185	3P+E 3P+N+E							M8	62	32	Ø21	Ø25	21						
240	3P+E 3P+N+E							M8	76	43	Ø23	Ø28	21	M10	74	43	Ø23	Ø28	28
300	3P+E 3P+N+E													M10	80	49	Ø27	Ø33	28

HIGH CURRENTS INDUSTRIAL PLUGS AND SOCKETS WITH LOAD DISCONNECTION FUNCTIONALITY



REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60947-3

MARKINGS AND DIRECTIVES

VERSIONS



Plugs



Appliance inlet



Sockets

TECHNICAL CHARACTERISTICS

Rated current:	**250A**
Rated voltage:	**>50÷1000Vac~ – 250Vcc**
Frequency:	**50÷400Hz, DC**
Insulating voltage:	**1000V**
Protection degree:	**IP66**
Installation temperature:	**-30°C +60°C**
Enclosure material:	**Corrosion proof tempered cast aluminium**
Colour:	**Natural aluminium**
Impact resistance (IK degree):	**IK09**
Construction characteristics/ type of closure:	**Separate body and handle / Viti filetto metrico**
Terminals:	**Screw**
Pins and contact tubes:	**Silver plated copper alloy**
Contact element:	**Silver**
Self extinguishing degree (GWT):	**960°C (Socket contact carrier)**
Cable entry device (mobile versions):	**Cable gland IP66 / External cable clamp with screws**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WIRING CAPACITY OF THE TERMINALS

Series	Rated current (A)	Conductor cross section (mm²)	
		min	max
HDSD200	200	50	95

MAX CABLE SIZE ACCEPTED BY THE CABLE CLAMP/ CABLE GLAND OF MOBILE PLUGS AND CONNECTORS

Series	Rated current (A)	Cable outside diameter (mm)	
		min	max
HDSD200	200	22	50

CABLE ENTRIES

250A		
TOP	REAR	BOTTOM
Open entry 1x M63	Blank side	Cut-out 1x M40

HIGH CURRENTS INDUSTRIAL SWITCHED INTERLOCKED SOCKETS



VERSIONS



HDAL250



HDAL400

REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-4

MARKINGS AND DIRECTIVES

TECHNICAL CHARACTERISTICS

Rated current:	**250A-400A**
Rated voltage:	**without fuses >50 – 690V** **with fuses >50 – 690V** **MCCB 380-440V** **MCCB+RCD 380-440V**
Frequency:	**50/60Hz**
Insulating voltage:	**1000V**
Protection degree:	**IP65**
Installation temperature:	**-40°C +60°C**
Material:	**Sheet steel (Halogen Free)**
Finishing:	**Painting by cathodic electrophoresis with epoxy resin and finishing with thermosetting epoxy polyester powders**
Colour:	**Grey RAL 7035**
Self extinguishing degree (GWT):	**960°C (socket contact carrier)** **960°C (switch)**
Impact resistance (IK degree):	**IK10**
Fuses:	**250A with fuses NH 1 ***
Auxiliary contacts:	**Max 2 auxiliary contacts**
Interlock type:	**250A without fuses: mechanical** **250A with fuses: mechanical** **250A-400A MCCB: electrical** **250A-400A MCCB+RCD: electrical**
Handle lock (with padlock):	**OFF**
Max diameter of the padlock arch for handle padlocking:	**8mm**

** fuses not provided.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

FUSED AND UNFUSED SWITCH-DISCONNECTOR TECHNICAL CHARACTERISTICS 250A 3P, 3P+N+E

Switch type			Without fuses		K2
			With fuses		KF3
Switched interlocked socket outlet rated current					250A
Conventional enclosed thermal current		Ithe		A	250
Rated operational current Ie	AC21A	Resistive loads, including moderate overloads	415V	A	250
			500V	A	250
			690V	A	250
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	250
			500V	A	250
			690V	A	250
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	250
			500V	A	200
			690V	A	160
Rated operational power according to utilization category at 415V	AC23A[1)]	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	kW	130

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

MCCB AND RCD DEVICE TECHNICAL CHARACTERISTICS 250A-400A 3P+E, 3P+N+E

Switch type			EATON NZMN2-4-A250	EATON LZMC3-4-A400/250-I
Rated current	In	A	250	400
Rated voltage	Ue	V	690	690
Rated insulation voltage	Ui	V	1000	1000
Rated impulse withstand voltage	Uimp	kV	8	8
Rated service shortcircuit breaking capacity	Ics (415V)	kA	50	36
Ultimate shortcircuit breaking capacity	Icu (415V)	kA	50	36
Earth leakage circuit breaker			PFR-5	PFR-5
Adjustable release		A	0.03-0.1-0.3-0.5-1-5 A	0.03-0.1-0.3-0.5-1-5 A

CABLING CAPACITY OF THE ENTRY TERMINALS (SWITCH)

Rated current		250A			400A
		Without fuses	With fuses	With MCCB	With MCCB
Cross-section of the connectable conductors/ palm width	Terminal bolt size	M8	M10	M8	M10
	Palm width	21	25	24	30

CABLE ENTRIES

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
250	3P+E-3P+N+E	400x600x200	Top	Blank side
			Bottom	Gland plate
400	3P+E-3P+N+E	600X800X300	Top	Blank side
			Bottom	Gland plate

SWITCH-DISCONNECTORS



REFERENCE STANDARDS

IEC EN 60947-3

UL 508

UL 60947-4-1

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Switching units
- Box



Switching units
- Panel mounting
- Box



Switching units with fues carrier
- Box



Front operators 67x67 - IP65
- Panel mounting
- Box



Front operators 48x48 - IP65
- Panel mounting
- Box



Front operators 48x48 - IP65 padlocable
- Panel mounting
- Box



Controls for DIN rail slits

TECHNICAL CHARACTERISTICS

Rated current:	16A-32A-40A-63A-80A 100A-125A-160A
Polarity:	2P, 3P, 3P+N, 4P, 6P, 8P
Rated voltage:	690Vac - 600Vdc
Frequency:	50/60Hz, c.c.
Insulating voltage:	690Vac - 600Vdc
Front operators protection degree:	IP65
Installation temperature:	-25°C +60°C
Material:	Thermoplastic
Fuses:	gG 10,3x38
Self extinguishing degree (GWT):	960°C (switches) 850°C (front operators)
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF (3 padlocks)
Padlock arch diameter to be used:	6mm

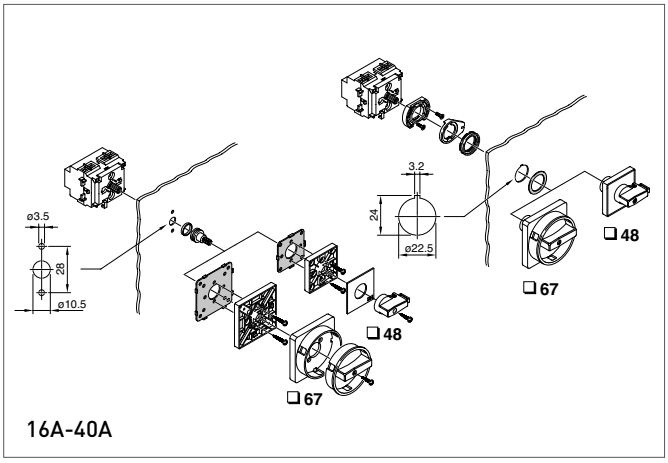


Front operators 70x87
- Panel mounting

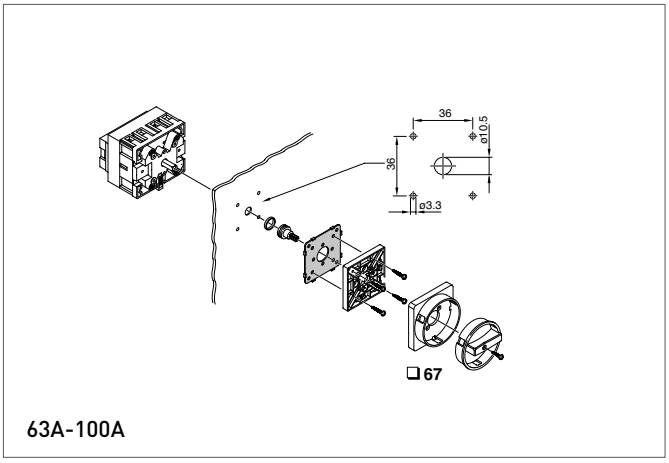


Direct operators

PANEL MOUNTING - TYPE R

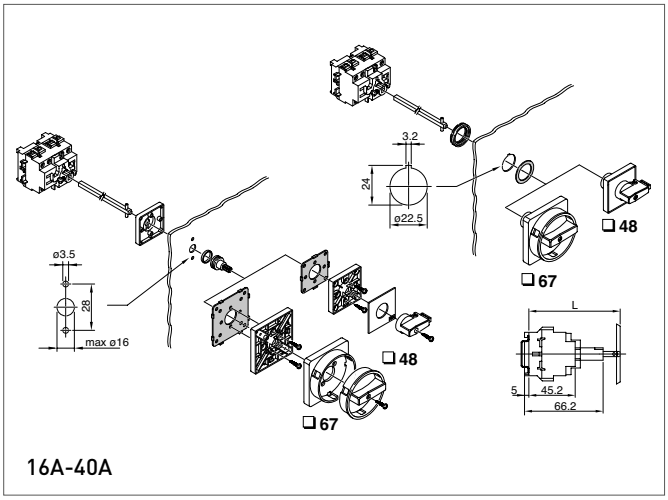


16A-40A

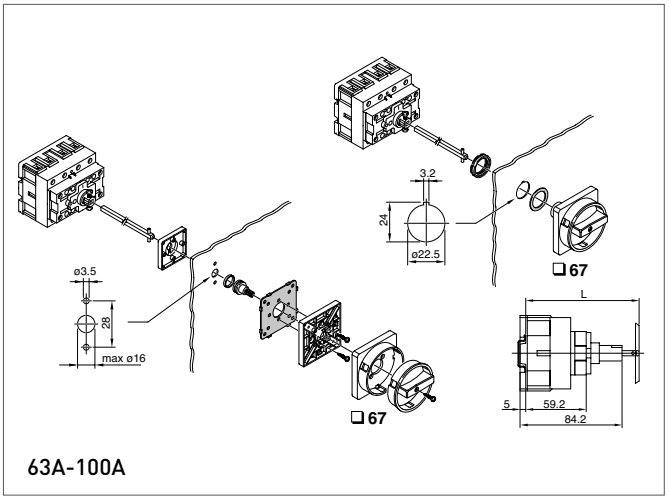


63A-100A

BOX - TYPE B



16A-40A



63A-100A

	590.YMA085	590.YMA185	590.YMA300
L max	120mm	220mm	335mm

L min 80mm.

	590.YMB085	590.YMB185	590.YMB300
L max	128mm	228mm	343mm

L min 98mm.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

TECHNICAL CHARACTERISTICS 2P, 3P, 3P+SN, 3P+N, 4P

Switch size					Y1/YF1				Y2		Y4	Y5	
Rated current In					**16A**[3]	**20A**	**32A**[3]	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage	**Ui**			VAC	690	690	690	690	690	690	800	800	800
Rated impulse withstand voltage	**Uimp**			kV	4	4	4	4	4	4	8	8	8
Rated thermal current	**Ith/Ithe**			A	16	20	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	20	32	40	63	80	100	125	160
			500V	A	16	20	32	32	63	80	100	125	160
			690V	A	16	20	32	32	63	80	100	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	20	32	40	63	80	100	125	160
			500V	A	16	20	32	32	63	80	100	125	160
			690V	A	16	20	32	32	63	80	-	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	20	32	35	63	67	100	125	160
			500V	A	16	20	25	25	40	67	-	125	125
			690V	A	16	20	25	25	30	38	-	100	100
	AC23A[2]	Rated operational power	415V	Kw	7.5	9	15	18.5	33	37	46	55	69
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	415V	A	18	18	25	28.5	40	55	-	-	-
			690V	A	-	12	18	20	25	32	-	-	-
	DC22A[1]	Mixed resistive and inductive loads, including moderate overloads	250V	A	-	25	32	32	63	-	-	-	-
			600V	A	-	10	10	10	-	-	-	-	-
Short circuit withstand current	**Icw (1s)**			A	400	400	400	400	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	10	10	10	10	10	10	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	16	20	32	40	63	80	100	125	125
Flexible wires				mm^2	1.5-10	1.5-10	1.5-10	1.5-10	10-35	10-35	10-50	10-70	10-70
Rigid wires				mm^2	1.5-16	1.5-16	1.5-16	1.5-16	10-35	10-35	10-50	10-70	10-70

[1] *4P versions with poles in series*
[2] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*
[3] *Version available with fuse holder switch size F1.*

AUXILIARY CONTACTS

Code		**590.PL004001 590.PL004002**	**590.PL004005**	**590.PL004003 590.PL004004**	**590.PL004006**	**590.PL005**	**590.PL006011 590.PL0060021**
Switch type		**Y1**		**Y2**		**Y3-Y4-Y5**	**K1-K2**
Contact type		NC NA	NO/NC	NC NA	NO/NC	NO/NC	NO/NC
Break activation		Simultaneous	Break before main contacts	Simultaneous	Break before main contacts	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A	16A	16A	16A
Rated operational current AC15	400V	6A	-	6A	-	-	-
	250V	8A	-	8A	-	-	-

TECHNICAL CHARACTERISTICS 6P, 8P

Switch size					Y3				Y4			Y5	
Rated current In					**16A**	**25A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage	**Ui**			VAC	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage	**Uimp**			kV	8	8	8	8	8	8	8	8	8
Rated thermal current	**Ith/Ithe**			A	16	25	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	63	160	80	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	40	40	40	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	63	63	125	125
			690V	A	16	25	25	25	32	32	32	100	100
	AC23A[1)]	Rated operational power	415V	Kw	7,5	11	15	18,5	35	37	46	55	69
Short circuit withstand current	**Icw (1s)**			A	1100	1100	1100	1100	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	50	50	50	50	50	50	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	16	25	32	40	63	80	100	125	125
Flexible wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70
Rigid wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70

For further technical information on the switches, refer to the characteristics of the COMMAND and ISOLATORS series.

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

ENCLOSED SWITCH-DISCONNECTORS IN DIE-CAST ALUMINIUM ENCLOSURE



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	16A[1]-20A-25A[1]-32A-40A-63A 80A-100A-125A-160A
Polarity:	1P+SN, 2P, 3P, 3P+SN, 3P+N, 4P, 6P, 8P
Rated voltage:	690Vac - 600Vdc
Frequency:	50/60Hz, c.c.
Insulating voltage:	690Vac - 600Vdc
Protection degree:	16A÷100A IP66 - 125A÷160A IP65
Installation temperature:	-25°C +60°C
Material:	Die-cast aluminium
Finishing:	Painting with thermosetting powder based on saturated carboxylated polyester resins with high resistance to UV rays and atmospheric agents
Colour:	Grey RAL 7015
Self extinguishing degree (GWT):	960°C (switch)
Impact resistance:	20÷100A IK10 - 125÷160A IK08
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF (3 padlocks) ON (1 padlock) [2]
Max diameter of the padlock arch:	8mm

2P, 3P+N and 8P versions with early make late break neutral pole.
1P+SN and 3P+SN versions with unswitched neutral and solid neutal terminal block.
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

[1] *Only for 6 and 8 poles.*
[2] *Only general use versions.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES 1P+SN, 2P, 3P, 3P+SN, 3P+N, 4P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries		
20-32-40	1P+SN, 2P, 3P, 3P+SN,3P+N, 4P	105x150x82	Top/bottom	1xM20 + 1xM25	Threaded open entries
			Rear	-	Blank side
63-80-100	1P+SN, 2P, 3P, 3P+SN,3P+N, 4P	150x210x107	Top/bottom	2xM32	Threaded open entries
			Rear	-	Blank side
125	3P, 3P+SN, 3P+N	264x315x122	Top/bottom	-	Blank side
			Rear	-	Blank side
160	3P, 3P+SN, 3P+N	315x410x153	Top/bottom	-	Blank side
			Rear	-	Blank side

Special drillings on request.
Threaded caps supplied.

CABLE ENTRIES 1P+SN, 2P, 3P, 3P+SN, 3P+N

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries		
20-32-40	1P+SN, 2P, 3P, 3P+SN,3P+N, 4P	106x171x92	Top/bottom	2 or 4 x M25	Threaded open entries
			Rear	-	Blank side

CABLE ENTRIES 6P, 8P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries		
16-25-32-40	6P, 8P	150x210x107	Top/bottom	-	Blank side
			Rear	-	Blank side
63-80-100	6P, 8P	264x315x122	Top/Bottom	-	Blank side
			Rear	-	Blank side
63-80-100	6P, 8P	315x410x153	Top/bottom	-	Blank side
			Rear	-	Blank side

Special drillings on request.

CABLE ENTRIES 1P+SN, 2P, 3P, 3P+SN, 3P+N high wiring capacity

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries		
20-32-40	1P+SN, 2P, 3P, 3P+SN,3P+N	150x210x107	Top/bottom	2xM32	Threaded open entries
			Rear	-	Blank side
63-80-100	3P, 3P+SN, 3P+N	264x315x122	Top/bottom	-	Blank side
			Rear	-	Blank side
100-125-160	3P, 3P+SN, 3P+N	315x410x153	Top/bottom	-	Blank side
			Rear	-	Blank side

Special drillings on request.

CABLE ENTRIES 6P, 8P high wiring capacity

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries		
20-32-40	6P, 8P	264x315x122	Top/bottom	-	Blank side
			Rear	-	Blank side
63-80-100-125-160	6P, 8P	315x410x153	Top/bottom	-	Blank side
			Rear	-	Blank side

Special drillings on request.

TECHNICAL CHARACTERISTICS 20A÷40A 1P+SN

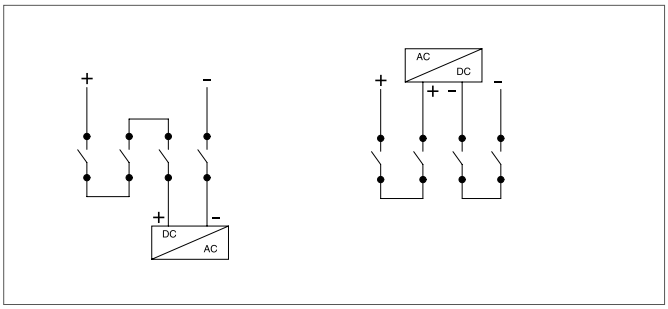
Switch size					Y01		
Rated current In					**20A**	**32A**	**40A**
Rated insulation voltage	**Ui**			VAC	250	250	250
Rated impulse withstand voltage	**Uimp**			kV	4	4	4
Theraml current	**Ithe**			A	20	32	40
Rated operational current Ie	**AC22A**	Mixed resistive and inductive loads, including moderate overloads	250V	A	20	32	40
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	250V	A	20	22	25
Short circuit withstand current	**Icw**			A	480	480	480
Conditional short circuit current				kAeff	10	10	10
Associate fuse size for conditional short circuit current - type gG				A	20	32	40
Flexible wires				mm^2	1.5 - 6	1.5 - 6	1.5 - 6
Rigid wires				mm^2	1.5 - 6	1.5 - 6	1.5 - 6

TECHNICAL CHARACTERISTICS 20A÷160A 1P+SN 2P, 3P, 3P+N, 4P

Switch size					Y1			Y2		Y4	Y5	
Rated current In					**20A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage	**Ui**			VAC	690	690	690	690	690	800	800	800
Rated impulse withstand voltage	**Uimp**			kV	4	4	4	4	4	8	8	8
Thermal current	**Ithe**			A	20	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
			500V	A	20	32	32	63	80	100	125	160
			690V	A	20	32	32	63	80	100	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
			500V	A	20	32	32	63	80	100	125	160
			690V	A	20	32	32	63	80	100	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	20	32	35	63	67	100	125	160
			500V	A	20	25	25	40	67	-	125	125
			690V	A	20	25	25	30	38	-	100	100
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	415V	A	18	25	28.5	40	55	-	-	-
			690V	A	12	18	20	25	32	-	-	-
	DC22A[2)]	Mixed resistive and inductive loads, including moderate overloads	250V	A	25	32	32	63	-	-	-	-
			600V	A	10	10	10	-	-	-	-	-
	AC23A[1)]	Rated operational power	415V	Kw	9	15	18.5	33	37	46	55	69
Short circuit withstand current	**Icw (1s)**			A	400	400	400	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	10	10	10	10	10	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	20	32	40	63	80	100	125	125
Flexible wires				mm^2	1.5-10	1.5-10	1.5-10	10-35	10-35	10-50	10-70	10-70
Rigid wires				mm^2	1.5-16	1.5-16	1.5-16	10-35	10-35	10-50	10-70	10-70

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*
[2)] *4P versions with poles in series.*

4P VERSIONS POLES CONNECTION IN SERIES FOR USE IN DC



TECHNICAL CHARACTERISTICS 16A÷160A 6P, 8P

Switch size					Y3				Y4			Y5	
Rated current In					**16A**	**25A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage		**Ui**		VAC	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage		**Uimp**		kV	8	8	8	8	8	8	8	8	8
Thermal current		**Ithe**		A	16	25	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	63	160	80	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	40	40	40	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	63	63	125	125
			690V	A	16	25	25	25	32	32	32	100	100
	AC23A[1)]	Rated operational power	415V	Kw	7,5	11	15	18,5	35	37	46	55	69
Short circuit withstand current		**Icw (1s)**		A	1100	1100	1100	1100	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	50	50	50	50	50	50	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	16	25	32	40	63	80	100	125	125
Flexible wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70
Rigid wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

TECHNICAL CHARACTERISTICS 100A-125A-160A 3P, 3P+SN, 3P+N, 6P, 8P – HIGH WIRING CAPACITY

Switch size					K1		K2
Rated current In					**100A**	**125A**	**160A**
Rated insulation voltage		**Ui**		(V)	1000	1000	1000
Rated impulse withstand voltage		**Uimp**		(kV)	8	8	12
Thermal current		**Ithe**		(A)	100	125	160
Rated operational current Ie	**AC21A/B**	Resistive loads, including moderate overloads	415V	(A)	100	125	160
			500V	(A)	100	125	160
			690V	(A)	100	125	160
	AC22A/B	Mixed resistive and inductive loads, including moderate overloads	415V	(A)	100	125	160
			500V	(A)	100	125	160
			690V	(A)	100	125	160
	AC23A/B	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	(A)	100	125	160
			500V	(A)	80	100	125
			690V	(A)	63	80	100
	AC23A[1]	Rated operational power	415V	kW	52	65	85
Short circuit withstand current				(kA)	5	5	8
Conditional short circuit current				(kA)	50	50	50
Associate fuse size for conditional short circuit current				(A)	100	125	160
Terminal bolt size				mm	M6	M6	M8
Palm width				mm	15	15	21

[1] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		590.PL004001 590.PL004002	590.PL004005	590.PL004003 590.PL004004	590.PL004006	590.PL005	590.PL006011 590.PL0060021
Switch type		**Y1**		**Y2**		**Y3-Y4-Y5**	**K1-K2**
Contact type		NC NA	NO/NC	NC NA	NO/NC	NO/NC	NO/NC
Break activation		Simultaneous	Break before main contacts	Simultaneous	Break before main contacts	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A	16A	16A	16A
Rated operational current AC15	400V	6A	-	6A	-	-	-
	250V	8A	-	8A	-	-	-

ENCLOSED FUSE SWITCH-DISCONNECTORS IN DIE-CAST ALUMINIUM ENCLOSURE



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A-80A**
Polarity:	**2P, 3P, 3P+N, 4P**[1)]
Rated voltage:	**690Vac - 600Vdc**
Frequency:	**50/60Hz, DC**
Insulating voltage:	**690Vac - 600Vdc**
Material:	**Die-cast aluminium**
Finishing:	**Painting with thermosetting powder based on saturated carboxylated polyester resins with high resistance to UV rays and atmospheric agents**
Colour:	**Grey RAL 9006**
Self extinguishing degree (GWT):	**960°C (switch)**
Protection degree:	**IP65**
Impact resistance:	**IK08**
Handle lock (with padlock):	**OFF (3 padlocks)** **ON (1 padlock)**
Max diameter of the padlock arch:	**20A÷40A 6mm** **63A÷630A 8mm**

2P and 3P+N versions with early make late break neutral pole.
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

[1)] *Only 16A and 32A rated currents.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES 2P, 3P, 3P+N, 4P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
16-32	2P, 3P,3P+N, 4P	253x217x93	Top/Bottom	Blank side
			Rear	Blank side
63-80	3P, 3P+N	410x315x128	Top/Bottom	Blank side
			Rear	Blank side

Special drillings on request.

TECHNICAL CHARACTERISTICS 16A÷80A 2P, 3P, 3P+N, 4P

Switch size					F1		KF1	
Rated current In					**16A**	**32A**	**63A**	**80A**
Rated insulation voltage	**Ui**			VAC	690	690	1000	1000
				VDC	400	400	1500	1500
Rated impulse withstand voltage	**Uimp**			kV	4	4	8	8
Rated thermal current	**Ith/Ithe**			A	16	32	63	80
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	32	63	80
			500V	A	16	32	63	80
			690V	A	16	32	63	80
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	32	63	80
			500V	A	16	32	63	80
			690V	A	16	32	63	80
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	32	63	80
			500V	A	16	32	45	63
			690V	A	16	25	32	45
Conditional short circuit current				kAeff	10	10	100	100
Associate fuse size for conditional short circuit current				A	16	32	63	80
Fuse type					gG	gG	DIN/BS	DIN/BS
Flexible wires				mm^2	1,5-10	1,5-10	-	-
Rigid wires				mm^2	1,5-16	1,5-16	-	-
Terminal bolt size				mm			M6	M6
Palm width				mm			15	15

FUSES TYPE

Rated current	16A	32A	63A	80A
DIN type fuses	-	-	NH C00	NH C00
BS type fuses	-	-	A2-A3	OSD
Cylindrical fuses (gG)	10.3x38	10.3x38	-	-

AUXILIARY CONTACTS

Code		590.PL004001 590.PL004002	590.PL004005	590.PL0060011 590.PL0060021
Switch type		**F1**	**F1**	**KF1**
Contact type		NA NC	NO/NC	NO/NC
Break activation		Simultaneous	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A
Rated operational current AC15	400V	6A	-	-
	250V	8A	-	-

ENCLOSED CHANGE-OVER SWITCHES I-0-II IN DIE-CAST ALUMINIUM ENCLOSURE



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use I-0-II

TECHNICAL CHARACTERISTICS

Rated current:	16A-25A-32A-40A-63A-80A 100A-125A-160A
Polarity:	3P, 3P+N
Rated voltage:	690Vac - 600Vdc
Frequency:	50/60Hz
Insulating voltage:	690Vac - 600Vdc
Protection degree:	16A÷40A IP66 63A÷160A IP65
Installation temperature:	-25°C +60°C
Material:	Die-cast aluminium
Finishing:	Painting with thermosetting powder based on saturated carboxylated polyester resins with high resistance to UV rays and atmospheric agents
Colour:	Grey RAL 7015
Self extinguishing degree (GWT):	960°C (switch)
Impact resistance:	16A÷40A IK10 63A÷160A IK08
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF (3 padlocks) ON (1 padlock)°
Max diameter of the padlock arch:	16A÷160A 8mm

3P+N and 8P versions with early make late break neutral pole.
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES 3P, 3P+N

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries		
16-25-32-40	3P, 3P+N	150x210x107	Top/bottom	2xM32	Threaded caps supplied
			Rear	-	-
63-80-100	3P, 3P+N	264x315x122	Top/bottom	-	Blank side
			Rear	-	Blank side
125-160	3P, 3P+N	315x410x153	Top/bottom	-	Blank side
			Rear	-	Blank side

Special drillings on request.

TECHNICAL CHARACTERISTICS 16A÷160A 3P, 3P+N

Switch size					**C1**				**C2**			**C3**	
Rated current In					**16A**	**25A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage		**Ui**		VAC	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage		**Uimp**		kV	8	8	8	8	8	8	8	8	8
Thermal current		**Ithe**		A	16	25	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	63	160	80	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	40	40	40	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	63	63	125	125
			690V	A	16	25	25	25	32	32	32	100	100
	AC23A[1)]	Rated operational power	415V	kW	7,5	11	15	18,5	35	37	46	55	69
Short circuit withstand current		**Icw (1s)**		A	1100	1100	1100	1100	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	50	50	50	50	50	50	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	16	25	32	40	63	80	100	125	125
Flexible wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70
Rigid wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		**590.PL005**
Switch type		**C1-C2-C3**
Contact type		NO/NC
Break activation		Break before main contacts
Rated current	250V	16A

FIRE RATED ENCLOSED SWITCH-DISCONNECTORS F200



REFERENCE STANDARDS

IEC EN 60947-3

BS EN 12101-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	16A[1]-20A- 25A[1]- 32A-40A-63A 80A-100A- 125A-160A-200A 315A-500A-630A
Polarity:	1P+SN, 2P, 3P, 3P+SN, 3P+N, 6P
Rated voltage:	690Vac - 600Vdc
Frequency:	50/60Hz
Insulating voltage:	690Vac - 600Vdc
Protection degree:	16A÷100A IP66 125A÷630A IP65
Installation temperature:	-25°C +60°C
Material:	16A÷160A Die-cast aluminium
Finishing:	Painting with thermosetting powder based on saturated carboxylated polyester resins with high resistance to UV rays and atmospheric agents
Material:	200A÷630A Sheet steel
Finishing:	Painting by cathodic electrophoresis with epoxy resin and finishing with thermosetting epoxy polyester powders
Colour:	Red RAL 3020
Self extinguishing degree (GWT):	960°C (switch)
Fire rated classification:	F200 (200°C for 120min.)
Impact resistance:	16÷100A IK10 125÷160A IK08
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF (3 padlocks) ON (1 padlock)
Max diameter of the padlock arch:	8mm

2P and 3P+N versions with early make late break neutral pole.
1P+SN and 3P+SN versions with unswithced neutral (solid neutral terminal block).
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

[1] *Only for 6 poles.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - ALUMINIUM ENCLOSURE

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - SHEET STEEL ENCLOSURE

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES
Aluminium enclosure 20A÷160A 1P+SN, 2P, 3P, 3P+SN, 3P+N

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
20-32-40	1P+SN, 2P, 3P, 3P+SN,3P+N	105x150x82	Top/bottom	Blank side
			Rear	Blank side
63-80-100	1P+SN, 2P, 3P, 3P+SN,3P+N	150x210x107	Top/bottom	Blank side
			Rear	Blank side
125	3P, 3P+SN, 3P+N	264x315x122	Top/bottom	Blank side
			Rear	Blank side
160	3P, 3P+SN, 3P+N	315x410x153	Top/bottom	Blank side
			Rear	Blank side

Special drillings on request.

CABLE ENTRIES
Aluminium enclosure 16A÷160A 6P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
16-25-32-40	6P	150x210x107	Top/bottom	Blank side
			Rear	Blank side
63-80-100	6P	264x315x122	Top/bottom	Blank side
			Rear	Blank side
125-160	6P	315x410x153	Top/bottom	Blank side
			Rear	Blank side

Special drillings on request.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES
Sheet steel enclosures 200A÷630A 3P, 3P+SN, 3P+N, 6P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
200-250	3P, 3P+SN, 3P+N	300x500x200	Top	Blank side
			Bottom	Gland plate
	6P	600x800x300	Top	Blank side
			Bottom	Gland plate
315-400	3P, 3P+SN, 3P+N	400x600x200	Top	Blank side
			Bottom	Gland plate
	6P	800x800x300	Top	Blank side
			Bottom	Gland plate
500-630	3P, 3P+SN, 3P+N	500x700x250	Top	Blank side
			Bottom	Gland plate
	6P	1000x1000x300	Top	Blank side
			Bottom	Gland plate

Special drillings on request.

TECHNICAL CHARACTERISTICS 20A-40A 1P+SN

Switch size					Y01		
Rated current In					**20A**	**32A**	**40A**
Rated insulation voltage	**Ui**			VAC	250	250	250
Rated impulse withstand voltage	**Uimp**			kV	4	4	4
Thermal current	**Ithe**			A	20	32	40
Rated operational current Ie	**AC22A**	Mixed resistive and inductive loads, including moderate overloads	250V	A	20	32	40
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	250V	A	20	22	25
Short circuit withstand current	**Icw (1s)**			A	480	480	480
Conditional short circuit current				kAeff	10	10	10
Associate fuse size for conditional short circuit current - type gG				A	20	32	40
Flexible wires				mm^2	1.5 - 6	1.5 - 6	1.5 - 6
Rigid wires				mm^2	1.5 - 6	1.5 - 6	1.5 - 6

TECHNICAL CHARACTERISTICS 20A÷160A 1P+SN 2P, 3P, 3P+SN, 3P+N

Switch size					F2R1			F2R2		F2R4	F2R5	
Rated current In					**20A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage	**Ui**			VAC	690	690	690	690	690	800	800	800
Rated impulse withstand voltage	**Uimp**			kV	4	4	4	4	4	8	8	8
Thermal current	**Ithe**			A	20	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
			500V	A	20	32	32	63	80	100	125	160
			690V	A	20	32	32	63	80	100	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
			500V	A	20	32	32	63	80	100	125	160
			690V	A	20	32	32	63	80	100	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	20	32	35	63	67	100	125	160
			500V	A	20	25	25	40	67	-	125	125
			690V	A	20	25	25	30	38	-	100	100
	AC23A[1)]	Rated operational power	415V	Kw	9	15	18.5	33	37	46	55	69
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	415V	A	18	25	28.5	40	55	-	-	-
			690V	A	12	18	20	25	32	-	-	-
Short circuit withstand current	**Icw (1s)**			A	400	400	400	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	10	10	10	10	10	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	20	32	40	63	80	100	125	125
Flexible wires				mm^2	1.5-10	1.5-10	1.5-10	10-35	10-35	10-50	10-70	10-70
Rigid wires				mm^2	1.5-16	1.5-16	1.5-16	10-35	10-35	10-50	10-70	10-70

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

TECHNICAL CHARACTERISTICS 16A÷160A -6P

Switch size					F2R3				F2R4			F2R5	
Rated current In					**16A**	**25A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage	**Ui**			VAC	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage	**Uimp**			kV	8	8	8	8	8	8	8	8	8
Thermal current	**Ithe**			A	16	25	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	63	160	80	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	40	40	40	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	63	63	125	125
			690V	A	16	25	25	25	32	32	32	100	100
	AC23A[1]	Rated operational power	415V	Kw	7,5	11	15	18,5	35	37	46	55	69
Short circuit withstand current	**Icw (1s)**			A	1100	1100	1100	1100	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	50	50	50	50	50	50	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	16	25	32	40	63	80	100	125	125
Flexible wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70
Rigid wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70

[1] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

TECHNICAL CHARACTERISTICS 200A÷630A 3P, 3P+SN, 3P+N, 6P

Switch size					F2R6			F2R7			F2R8
Rated current In					**160**	**200**	**250**	**315**	**400**	**500**	**630**
Rated insulation voltage	**Ui**			(V)	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage	**Uimp**			kV)	12	12	12	12	12	12	12
Thermal current	**Ithe**			(A)	160	200	250	315	400	500	800
Rated operational current Ie	**AC21A/B**	Resistive loads, including moderate overloads	415V	(A)	160	200	250	315	400	500	630/800
			500V	(A)	160	200	250	315	400	500	630/800
			690V	(A)	160	200	250	315	400	500	630/800
	AC22A/B	Mixed resistive and inductive loads, including moderate overloads	415V	(A)	160	200	250	315	400	500	630/800
			500V	(A)	160	200	250	315	400	400	630
			690V	(A)	160	200	250	315	400	400	630
	AC23A/B	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	(A)	160	200	250	315	400	500	630
			500V	(A)	125	160	200	250	315	315	500
			690V	(A)	100	125	160	200	250	250	400
	AC23A[1]	Rated operational power	415V	kW	85	105	130	165	200	210	330
Short circuit withstand current	**Icw (1s)**			(kA)	8	8	8	13	13	13	26.5
Conditional short circuit current				(kA)	50	50	50	50	50	50	50
Associate fuse size for conditional short circuit current - type gG				(A)	160	200	250	315	400	400	630
Terminal bolt size				mm^2	M8	M8	M8	M10	M10	M10	M12
Palm width				mm	21	21	21	25	25	25	30

[1] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		590.PL004001 590.PL004002	590.PL004005	590.PL004003 590.PL004004	590.PL004006	590.PL005
Switch type		**F2R1**		**F2R2**		**F2R3-F2R4-F2R5**
Contact type		NC NA	NO/NC	NC NA	NO/NC	NO/NC
Break activation		Simultaneous	Break before main contacts	Simultaneous	Break before main contacts	Break before main contacts
Rated current	400V	16A	10A	16A	10A	10A
	250V	16A	16A	16A	16A	16A
Rated operational current AC15	400V	6A	-	6A	-	-
	250V	8A	-	8A	-	-

AUXILIARY CONTACTS

Code		590.PL004012 590.PL004022	590.PL004013 590.PL004023	590.PL006011 590.PL0060021
Switch type		**F2R6**	**F2R7**	**F2R8**
Contact type		NO/NC	NO/NC	NO/NC
Break activation		Break before main contacts	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A

FIRE RATED ENCLOSED SWITCH-DISCONNECTORS F400



REFERENCE STANDARDS

IEC EN 60947-3

BS EN 12101-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	20A-32A-40A-63A-80A-100A 125A-160A-200A-315A-400A-630A
Polarity:	2P, 3P, 3P+N, 6P
Rated voltage:	690Vac - 600Vdc
Frequency:	50/60Hz
Insulating voltage:	690Vac - 600Vdc
Protection degree:	IP65
Installation temperature:	-25°C +60°C
Material:	20A÷160A Die-cast aluminium
Finishing:	Painting with thermosetting powder based on saturated carboxylated polyester resins with high resistance to UV rays and atmospheric agents
Material:	200A÷630A Sheet steel

Finishing:	Painting by cathodic electrophoresis with epoxy resin and finishing with thermosetting epoxy polyester powders
Colour:	Rosso RAL 3020
Self extinguishing degree (GWT):	960°C (switch)
Fire rated classification:	F400 (400°C for 120min.)
Impact resistance:	20÷160A IK08 200A÷630A IK10
Auxiliary contacts:	Max 1 auxiliary contact
Handle lock (with padlock):	OFF (3 padlocks) ON (1 padlock)
Max diameter of the padlock arch:	20A÷40A 6mm 63A÷630A 8mm

2P and 3P+N versions with early make late break neutral pole.
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - ALUMINIUM ENCLOSURE

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - SHEET STEEL ENCLOSURE

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES
Aluminium enclosure 20A÷160A all polarities and 160A 6P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
20-32-40	2P, 3P, 3P+N	192x168x80	Top/bottom	Blank side
			Rear	Blank side
	6P	253x217x93	Top/bottom	Blank side
			Rear	Blank side
63-80-100	2P, 3P, 3P+N	253x217x93	Top/bottom	Blank side
			Rear	Blank side
	6P	314x264x122	Top/bottom	Blank side
			Rear	Blank side
125-160	3P, 3P+N	410x315x153	Top/bottom	Blank side
			Rear	Blank side
125-160	6P	500x400x200[1)]	Top/bottom	Blank side
			Rear	Blank side

Special drillings on request.

[1)] *Sheet steel enclosure with hinged door.*

CABLE ENTRIES
Sheet steel enclosure with hinged door 160A 6P and 200A÷630A 3P, 3P+N, 6P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
160	6P	500x400x200	Top/bottom	Gland plate
			Rear	Blank side
200-250	3P, 3P+N	700x500x200	Top/bottom	Gland plate
			Rear	Blank side
	6P	800x600x300	Top/bottom	Gland plate
			Rear	Blank side
315-400	3P, 3P+N	700x500x250	Top/bottom	Gland plate
			Rear	Blank side
	6P	800x800x300	Top/bottom	Gland plate
			Rear	Blank side
630	3P, 3P+N	800x800x300	Top/bottom	Gland plate
			Rear	Blank side
	6P	800x1000x300	Top/bottom	Gland plate
			Rear	Blank side

Special drillings on request.

TECHNICAL CHARACTERISTICS 20A÷160A 2P, 3P, 3P+N, 6P

Switch size						FR1			FR2			FR3	
Rated current In						**20A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage			**Ui**		VAC	690	690	690	800	800	800	800	800
Rated impulse withstand voltage			**Uimp**		kV	6	6	6	8	8	8	8	8
Rated thermal current			**Ith/Ithe**		A	20	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads		415V	A	20	32	40	63	80	100	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads		415V	A	20	32	40	63	80	100	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)		415V	A	20	32	35	63	80	100	125	160
	AC23A[1]	Rated operational power		415V	kW	9	15	18.5	35	37	46	55	69
Short circuit withstand current			**Icw (1s)**		A	400	400	400	1500	1500	1500	3000	3000
Conditional short circuit current					kAeff	10	10	10	30	30	30	50	50
Associate fuse size for conditional short circuit current - type gG					A	16	32	40	63	80	100	125	125
Flexible wires					mm^2	1.5-10	1.5-10	1.5-10	10-50	10-50	10-50	10-70	10-70
Rigid wires					mm^2	1.5-16	1.5-16	1.5-16	10-50	10-50	10-50	10-70	10-70

[1] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

TECHNICAL CHARACTERISTICS 200A÷630A 3P, 3P+N, 6P

Switch size					FR4		FR5		FR6
Rated current In					**200A**	**250A**	**315A**	**400A**	**630A**
Rated insulation voltage			**Ui**	VAC	1000	1000	1000	1000	1000
Rated impulse withstand voltage			**Uimp**	kV	8	8	8	8	8
Rated thermal current			**Ith/Ithe**	A	200	250	315	400	630
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	200	250	315	400	630
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	200	250	315	400	630
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	200	250	315	400	630
	AC23A[1]	Rated operational power	415V	kW	105	130	165	210	330
Short circuit withstand current			**Icw (1s)**	A	13	13	13	13	13
Conditional short circuit current				kAeff	50	50	50	50	50
Associate fuse size for conditional short circuit current - type gG				A	200	250	315	400	630
Terminal bolt size				mm^2	M8[2]/M10	M10	M10	M10	M12
Palm width				mm^2	25	25	25	25	30

[1] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*
[2] *For versions 6P.*

ENCLOSED SWITCH-DISCONNECTORS IN HEAVY DUTY THERMOPLASTIC ENCLOSURE





REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	**20A-32A-40A**
Polarity:	**2P, 3P, 3P+N**
Rated voltage:	**690Vac - 600Vdc**
Frequency:	**50/60Hz, c.c.**
Insulating voltage:	**690Vac - 600Vdc**
Protection degree:	**IP66**
Installation temperature:	**-25°C +60°C**
Material:	**Heavy duty thermoplastic**
Colour:	**Grey RAL 7016**
Insulation class:	**Class II (double insulation)** ⧈
Self extinguishing degree (GWT):	**960°C (body)** **960°C (switch)**
Impact resistance at -40°C:	**IK10**
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF (3 padlocks)** **ON (1 padlock)**
Padlock arch diameter to be used:	**6mm**

2P and 3P+N versions with early make late break neutral pole.
Earth conductor connection terminal.
Equipped with door locking with the switch in ON position.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES 2P, 3P,3P+N

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
			Top	Blank side
20-32-40	2P, 3P,3P+N	115x190x128	Bottom	Blank side[1)]
			Rear	Blank side

Special drillings on request.
[1)] *Blank side with drilling point marks.*

TECHNICAL CHARACTERISTICS 20A÷40A 2P, 3P, 3P+N

Switch size					**Y1**		
Rated current In					**20A**	**32A**	**40A**
Rated insulation voltage		**Ui**		VAC	690	690	690
Rated impulse withstand voltage		**Uimp**		kV	4	4	4
Thermal current		**Ithe**		A	20	32	40
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	20	32	40
			500V	A	20	32	32
			690V	A	20	32	32
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	20	32	40
			500V	A	20	32	32
			690V	A	20	32	32
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	20	32	35
			500V	A	20	25	25
			690V	A	20	25	25
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	415V	A	18	25	28.5
			690V	A	12	18	20
	AC23A[1)]	Rated operational power	415V	Kw	9	15	18.5
Short circuit withstand current		**Icw (1s)**		A	400	400	400
Conditional short circuit current				kAeff	10	10	10
Associate fuse size for conditional short circuit current - type gG				A	20	32	40
Flexible wires				mm^2	1.5-10	1.5-10	1.5-10
Rigid wires				mm^2	1.5-16	1.5-16	1.5-16

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		**590.PL004001 590.PL004002**	**590.PL004005**
Switch type		**Y1**	
Contact type		NC NA	NO/NC
Break activation		Simultaneous	Break before main contacts
Rated current	250V	16A	16A
Rated operational current AC15	400V	6A	
	250V	8A	

ENCLOSED SWITCH-DISCONNECTORS IN METAL ENCLOSURE WITH HINGED DOOR



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	100A-125A-160A-200A-250A-315A 400A-500A-630A-800A-1000A 1250A–1600A
Polarity:	3P, 3P+SN, 3P+N, 6P, 8P
Rated voltage:	690Vac
Frequency:	50-60Hz
Insulating voltage:	690Vac - 600Vdc
Protection degree:	IP65
Installation temperature:	-25°C +60°C
Material:	Sheet steel
Finishing:	Painting by cathodic electrophoresis with epoxy resin and finishing with thermosetting epoxy polyester powders
Colour:	RAL 7035
Self extinguishing degree (GWT):	960°C (switch)
Impact resistance:	IK10
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF (3 padlocks)
Max diameter of the padlock arch:	8mm

3P+N and 8P versions with early make late break neutral pole.
3P+SN versions with unswithced neutral (solid neutral terminal block).
Earth conductor connection threaded bar.
Equipped with door locking with the switch in ON position.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES

3P, 3P+SN, 3P+N sheet steel enclosures with hinged door and top/bottom cable entries.

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
160-200-250	3P, 3P+SN, 3P+N	300x500x200	Top	Blank side
			Bottom	Gland plate
315-400	3P, 3P+SN, 3P+N	400x600x200	Top	Blank side
			Bottom	Gland plate
500-630	3P, 3P+SN, 3P+N	500x700x250	Top	Blank side
			Bottom	Gland plate
800-1000-1250-1600	3P, 3P+SN, 3P+N	600x1000x300	Top	Blank side
			Bottom	Gland plate

Special drillings on request.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES

3P, 3P+SN, 3P+N sheet steel enclosures with hinged door and bottom/bottom cable entries equipped with connection bar system.

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
160-200-250	3P, 3P+SN, 3P+N	300x500x200	Top	Blank side
			Bottom	Gland plate
315-400	3P, 3P+SN, 3P+N	400x600x200	Top	Blank side
			Bottom	Gland plate
500	3P, 3P+SN, 3P+N	500x700x250	Top	Blank side
			Bottom	Gland plate
630-800	3P, 3P+SN, 3P+N	800x800x300	Top	Blank side
			Bottom	Gland plate
1000-1250-1600	3P, 3P+SN, 3P+N	1000x1000x300	Top	Blank side
			Bottom	Gland plate

Special drillings on request.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES

6P and 8P sheet steel enclosures with hinged door and top/bottom cable entries.

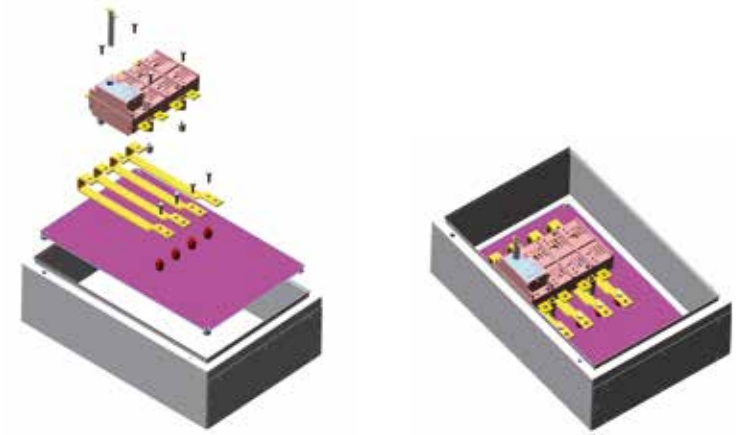
Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
100-125	6P, 8P	400x500x200	Top	Blank side
			Bottom	Gland plate
160	6P, 8P	500x700x250	Top	Blank side
			Bottom	Gland plate
200-250	6P, 8P	600x800x300	Top	Blank side
			Bottom	Gland plate
315-400-500	6P, 8P	800x800x300	Top	Blank side
			Bottom	Gland plate
630	6P, 8P	1000x1000x300	Top	Blank side
			Bottom	Gland plate

Special drillings on request.

BOTTOM/BOTTOM ENTRY VERSIONS

CONNECTION BAR SYSTEM FOR BOTTOM/BOTTOM ENTRIES

Insulated bar system wich allows the wiring of both incoming and outgoing cables from the bottom side only, without cable bending.



TECHNICAL CHARACTERISTICS 100A÷1600A 3P, 3P+SN, 3P+N, 6P, 8P

Switch size					K1		K2			K3			K4	K5			K6
Rated current In					**100**	**125**	**160**	**200**	**250**	**315**	**400**	**500**	**630**	**800**	**1000**	**1250**	**1600**[2]
Rated insulation voltage **Ui**				(V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage **Uimp**				(kV)	8	8	12	12	12	12	12	12	12	12	12	12	12
Rated thermal current **Ith/Ithe**				(A)	100	125	160	200	250	315	400	500	800	800	1000	1250	1600
Rated operational current Ie	**AC21A/B**	Resistive loads, including moderate overloads	415V	(A)	100	125	160	200	250	315	400	500	630/800	800	1000	1250	1600
			500V	(A)	100	125	160	200	250	315	400	500	630/800	800	1000	1250	1600
			690V	(A)	100	125	160	200	250	315	400	500	630/800	800	1000	1250	1250
	AC22A/B	Mixed resistive and inductive loads, including moderate overloads	415V	(A)	100	125	160	200	250	315	400	500	630/800	800	1000	1250	1600
			500V	(A)	100	125	160	200	250	315	400	400	630	800	1000	1250	1250
			690V	(A)	100	125	160	200	250	315	400	400	630	800	1000	1250	400
	AC23A/B	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	(A)	100	125	160	200	250	315	400	500	630	800	1000	1250	1250
			500V	(A)	80	100	125	160	200	250	315	315	500	800	800	800	800
			690V	(A)	63	80	100	125	160	200	250	250	400	400	400	400	400
	AC23A[1]	Rated operational power	415V	kW	52	65	85	105	130	165	200	210	330	420	525	600	630
Short circuit withstand current **Icw (1s)**				(kA)	5	5	8	8	8	13	13	13	26.5	35	35	35	60
Conditional short circuit current				(kA)	50	50	50	50	50	50	50	50	50	100	100	100	-
Associate fuse size for conditional short circuit current - type gG				(A)	100	125	160	200	250	315	400	400	630	800	1000	1000	-
Terminal bolt size				mm^2	M6	M6	M8	M8	M8	M10	M10	M10	M12	M16	M16	M16	2xM14
Palm width				mm	15	15	21	21	21	25	25	25	30	50	50	50	60

Full current neutral pole available on request.

[1] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

[2] *1250A rated neutral pole.*

AUXILIARY CONTACTS

Code		590.PL006011 590.PL006021	590.PL006012 590.PL006022	590.PL006013 590.PL006023
Switch type		**K1-K2**	**K3-K5-K6**	**K4**
Contact type		NO/NC	NO/NC	NO/NC
Break activation		Break before main contacts	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A

ENCLOSED FUSE SWITCH-DISCONNECTORS WITH HINGED DOOR



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	**100A-125A-160A-200A-250A 315A-400A-630A**
Polarity:	**3P, 3P+N**
Rated voltage:	**690Vac - 600Vdc**
Frequency:	**50/60Hz**
Insulating voltage:	**690Vac - 600Vdc**
Installation temperature:	**-25°C +60°C**
Material:	**Sheet steel**
Finishing:	**Painting by cathodic electrophoresis with epoxy resin and finishing with thermosetting epoxy polyester powders**
Colour:	**Grey RAL 7035**
Self extinguishing degree (GWT):	**960°C (switch)**
Protection degree:	**IP65**
Impact resistance (IK degree):	**IK10**
Handle lock (with padlock):	**OFF (3 padlocks)**
Auxiliary contacts:	**Max 2 auxiliary contacts**
Max diameter of the padlock arch:	**8mm**

3P+N versions with early make late break neutral pole.
Earth conductor connection threaded bar.
Equipped with door locking with the switch in ON position.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES 3P, 3P+N with top/bottom cable entries.

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
100-125-160	3P, 3P+N	300x500x200	Top	Gland plate
			Bottom	Blank side
200-250	3P, 3P+N	400x600x200	Top	Gland plate
			Bottom	Blank side
315-400	3P, 3P+N	500x700x250	Top	Gland plate
			Bottom	Blank side
630	3P, 3P+N	600x800x300	Top	Gland plate
			Bottom	Blank side

Special drillings on request.

CABLE ENTRIES 3P, 3P+N with bottom/bottom cable entries equipped with connection bar system

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
100-125-160	3P, 3P+N	300x500x200	Top	Gland plate
			Bottom	Blank side
200-250	3P, 3P+N	400x600x250	Top	Gland plate
			Bottom	Blank side

Special drillings on request.

TECHNICAL CHARACTERISTICS 100A÷630A 3P, 3P+N

Switch size					KF2			KF3		KF4		KF5
Rated current In					**100A**	**125A**	**160A**	**200A**	**250A**	**315A**	**400A**	**630A**
Rated insulation voltage	**Ui**			VAC	1000	1000	1000	1000	1000	1000	1000	1000
				VDC	1500	1500	1500	1500	1500	1500	1500	1500
Rated impulse withstand voltage	**Uimp**			kV	12	12	12	12	12	12	12	12
Rated thermal current	**Ith/Ithe**			A	100	125	160	200	250	315	400	630
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	100	125	160	200	250	315	400	630
			500V	A	100	125	160	200	250	315	400	630
			690V	A	100	125	160	200	250	315	400	630
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	100	125	160	200	250	315	400	630
			500V	A	100	125	160	200	250	315	400	630
			690V	A	100	125	160	200	250	315	400	630
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	100	125	160	200	250	315	400	630
			500V	A	80	100	125	160	200	250	315	500
			690V	A	63	80	100	125	160	200	250	400
	DC21A	Resistive loads, including moderate overloads	220V	A	100	125	160	200	250	315	400	630
			400V	A	100	125	160	200	250	315	400	630
			600V	A	-	-	-	-	-	315	400	630
Conditional short circuit current				kAeff	50	50	50	50	50	50	50	50
Associate fuse size for conditional short circuit current				A	100	125	160	200	250	315	400	630
Fuse type					DIN/BS	DIN/BS	DIN/BS	DIN/BS	DIN/BS	DIN/BS	DIN/BS	DIN/BS
Flexible wires				mm^2	-	-	-	-	-	-	-	-
Rigid wires				mm^2	-	-	-	-	-	-	-	-
Terminal bolt size				mm	M8	M8	M8	M10	M10	M12	M12	M16
Palm width				mm	21	21	21	25	25	30	30	50

FUSES TYPE

Rated current (A)	**100A**	**125A**	**160A**	**200A**	**250A**	**315A**	**400A**	**630A**
DIN type fuses	NH 00	NH 00	NH 00	NH 1	NH 1	NH 2	NH 2	NH 3
BS type fuses	A4	DEO	DEO	B1-B2	B1-B3	B1-B3	B1-B4	C2
Cylindrical fuses (gG)	-	-	-	-	-	-	-	-

AUXILIARY CONTACTS

Code		**590.PL006011 590.PL006021**	**590.PL006012 590.PL006022**	**590.PL006013 590.PL006023**
Switch type		**KF2**	**KF3-KF5**	**KF4**
Contact type		NO/NC	NO/NC	NO/NC
Break activation		Break before main contacts	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A

ENCLOSED CHANGE-OVER SWITCHES I-0-II IN METAL ENCLOSURE WITH HINGED DOOR



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use

TECHNICAL CHARACTERISTICS

Rated current:	100A-125A-160A-200A-250A 315A-400A-500A-630A
Polarity:	3P, 3P+N
Rated voltage:	690Vac
Frequency:	50/60Hz
Insulating voltage:	690Vac - 600Vdc
Protection degree:	IP65
Installation temperature:	-25°C +60°C
Material:	Sheet steel
Finishing:	Painting by cathodic electrophoresis with epoxy resin and finishing with thermosetting epoxy polyester powders
Colour:	Grey RAL 7035
Self extinguishing degree (GWT):	960°C (switch)
Impact resistance:	IK10
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF (3 padlocks)
Max diameter of the padlock arch:	8mm

3P+N versions with early make late break neutral pole.
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES 100A÷160A 3P, 3P+N

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
100-125	3P, 3P+N	400x500x200	Top	Blank side
			Bottom	Gland plate
160	3P, 3P+N	500x700x250	Top	Blank side
			Bottom	Gland plate
200-250	3P, 3P+N	600x800x300	Top	Blank side
			Bottom	Gland plate
315-400-500	3P, 3P+N	800x800x300	Top	Blank side
			Bottom	Gland plate
630	3P, 3P+N	1000x1000x300	Top	Blank side
			Bottom	Gland plate

Special drillings on request.

TECHNICAL CHARACTERISTICS 100A÷630A 3P, 3P+N

Switch size					**KA1**		**KA2**			**KA3**			**KA4**
Rated current In					**100**	**125**	**160**	**200**	**250**	**315**	**400**	**500**	**630**
Rated insulation voltage		**Ui**		(V)	1000	1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage		**Uimp**		kV)	8	8	12	12	12	12	12	12	12
Thermal current		**Ithe**		(A)	100	125	160	200	250	315	400	500	800
Rated operational current Ie	**AC21A/B**	Resistive loads, including moderate overloads	415V	(A)	100	125	160	200	250	315	400	500	630/800
			500V	(A)	100	125	160	200	250	315	400	500	630/800
			690V	(A)	100	125	160	200	250	315	400	500	630/800
	AC22A/B	Mixed resistive and inductive loads, including moderate overloads	415V	(A)	100	125	160	200	250	315	400	500	630/800
			500V	(A)	100	125	160	200	250	315	400	400	630
			690V	(A)	100	125	160	200	250	315	400	400	630
	AC23A/B	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	(A)	100	125	160	200	250	315	400	500	630
			500V	(A)	80	100	125	160	200	250	315	315	500
			690V	(A)	63	80	100	125	160	200	250	250	400
	AC23A[1)]	Rated operational power	415V	kW	52	65	85	105	130	165	200	210	330
Short circuit withstand current		**Icw (1s)**		(kA)	5	5	8	8	8	13	13	13	26.5
Conditional short circuit current				(kA)	50	50	50	50	50	50	50	50	50
Associate fuse size for conditional short circuit current - type gG				(A)	100	125	160	200	250	315	400	400	630
Terminal bolt size				mm^2	M6	M6	M8	M8	M8	M10	M10	M10	M12
Palm width				mm	15	15	21	21	21	25	25	25	30

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		**590.PL006011 590.PL006021**	**590.PL006012 590.PL006022**	**590.PL006013 590.PL006023**
Switch type		**KA1-KA2**	**KA3**	**KA4**
Contact type		NO/NC	NO/NC	NO/NC
Break activation		Break before main contacts	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A

ENCLOSED SWITCH-DISCONNECTORS IN STAINLESS STEEL ENCLOSURE



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	**16A[1]-20A-25A[1]-32A-40A-63A 80A-100A-125A-160A**
Polarity:	**1P+SN, 2P, 3P, 3P+SN, 3P+N, 6P, 8P**
Rated voltage:	**690Vac**
Frequency:	**50/60Hz**
Insulating voltage:	**690Vac - 600Vdc**
Protection degree:	**IP65**
Installation temperature:	**-25°C +60°C**
Material:	**Stainless steel AISI 304L[2]**
Surface finishing:	**Fine satin medium Scotch-Brite type**
Impact resistance:	**IK10**
Self extinguishing degree (GWT):	**960°C (switch)**
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF (3 padlocks) ON (1 padlock)**
Max diameter of the padlock arch:	**20A÷40A 6mm 63A÷160A 8mm**

2P, 3P+N and 8P versions with early make late break neutral pole.
1P+SN and 3P+SN versions with unswithced neutral (solid neutral terminal block).
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

[1] *Only for 6 and 8 poles.*
[2] *Special versions in stainless steel AISI 316L on request.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES 1P+SN, 2P, 3P, 3P+SN, 3P+N

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
20-32-40	1P+SN, 2P, 3P, 3P+SN, 3P+N	100x160x90	Top/bottom	Blank side
			Rear	Blank side
20-32-40 High wiring capacity	3P, 3P+N	150x160x90	Top/bottom	Blank side
			Rear	Blank side
63-80-100	1P+SN, 2P, 3P, 3P+SN, 3P+N	150x220x120	Top/bottom	Blank side
			Rear	Blank side
125-160	3P, 3P+SN, 3P+N	300x400x150	Top/bottom	Blank side
			Rear	Blank side

Special drillings on request.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES 6P, 8P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
16-25-32-40 63-80-100	6P, 8P	250x280x120	Top/Bottom	Blank side
			Rear	Blank side
125-160	6P, 8P	300x400x150	Top/Bottom	Blank side
			Rear	Blank side

Special drillings on request.

TECHNICAL CHARACTERISTICS 20A÷160A 1P+SN 2P, 3P, 3P+N

Switch size					Y1			Y2			Y5	
Rated current In					**20A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage	**Ui**			VAC	690	690	690	800	800	800	800	800
Rated impulse withstand voltage	**Uimp**			kV	4	4	4	8	8	8	8	8
Rated thermal current	**Ith/Ithe**			A	20	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
			500V	A	20	32	32	63	80	100	125	160
			690V	A	20	32	32	63	80	100	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
			500V	A	20	32	32	63	80	100	125	160
			690V	A	20	32	32	63	80	100	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	20	32	35	63	80	100	125	160
			500V	A	20	25	25	63	63	63	125	125
			690V	A	20	25	25	32	32	32	100	100
	AC23A[1)]	Rated operational power	415V	Kw	9	15	18.5	35	37	46	55	69
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	415V	A	18	25	28.5	-	-	-	-	-
			690V	A	12	18	20	-	-	-	-	-
Short circuit withstand current	**Icw (1s)**			A	400	400	400	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	10	10	10	30	30	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	20	32	40	63	80	100	125	125
Flexible wires				mm^2	1.5-10	1.5-10	1.5-10	10-50	10-50	10-50	10-70	10-70
Rigid wires				mm^2	1.5-16	1.5-16	1.5-16	10-50	10-50	10-50	10-70	10-70

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

TECHNICAL CHARACTERISTICS 16A÷160A 6P, 8P

Switch size					Y3				Y4			Y5	
Rated current In					**16A**	**25A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage		**Ui**		VAC	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage		**Uimp**		kV	8	8	8	8	8	8	8	8	8
Thermal current		**Ithe**		A	16	25	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	63	160	80	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	40	40	40	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	63	63	125	125
			690V	A	16	25	25	25	32	32	32	100	100
	AC23A[1)]	Rated operational power	415V	kW	7,5	11	15	18,5	35	37	46	55	69
Short circuit withstand current		**Icw (1s)**		A	1100	1100	1100	1100	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	50	50	50	50	30	30	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	16	25	32	40	63	80	100	125	125
Flexible wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70
Rigid wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		590.PL004001 590.PL004002	590.PL004005	590.PL005
Switch type		**Y1**		**Y3-Y4-Y5**
Contact type		NC NA	NO/NC	NO/NC
Break activation		Simultaneous	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A
Rated operational current AC15	400V	6A	-	-
	250V	8A	-	-

ENCLOSED CHANGE-OVER SWITCHES I-0-II IN STAINLESS STEEL ENCLOSURE



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use

TECHNICAL CHARACTERISTICS

Rated current:	**16A-25A- 32A-40A-63A-80A 100A-125A -160A**
Polarity:	**3P, 3P+N**
Rated voltage:	**690Vac**
Frequency:	**50/60Hz**
Insulating voltage:	**690Vac - 600Vdc**
Protection degree:	**IP65**
Installation temperature:	**-25°C +60°C**
Material:	**Stainless steel AISI 304L**[1)]
Surface finishing:	**Fine satin medium Scotch-Brite type**
Impact resistance:	**IK10**
Self extinguishing degree (GWT):	**960°C (switch)**
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF (3 padlocks) ON (1 padlock)**
Max diameter of the padlock arch:	**8mm**

3P+N versions with early make late break neutral pole.
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

[1)] *Special versions in stainless steel AISI 316L on request.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES 3P, 3P+N

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
16-25-32-40 63-80-100	3P,3P+N	250x280x120	Top/bottom	Blank side
			Rear	Blank side
125-160	3P,3P+N	300x400x150	Top/bottom	Blank side
			Rear	Blank side

Special drillings on request.

TECHNICAL CHARACTERISTICS 16A÷160A 3P, 3P+N

Switch size					C1				C2			C3	
Rated current In					16A	25A	32A	40A	63A	80A	100A	125A	160A
Rated insulation voltage		Ui		VAC	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage		Uimp		kV	8	8	8	8	8	8	8	8	8
Thermal current		Ithe		A	16	25	32	40	63	80	100	125	160
Rated operational current Ie	AC21A	Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	63	160	80	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	40	40	40	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	63	63	125	125
			690V	A	16	25	25	25	32	32	32	100	100
	AC23A[1)]	Rated operational power	415V	kW	7,5	11	15	18,5	35	37	46	55	69
Short circuit withstand current		Icw		A	1100	1100	1100	1100	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	50	50	50	50	50	50	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	16	25	32	40	63	80	100	125	125
Flexible wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70
Rigid wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		590.PL005
Switch type		C1-C2-C3
Contact type		NO/NC
Break activation		Break before main contacts
Rated current	250V	16A

ENCLOSED SWITCH-DISCONNECTORS IN MILD STEEL ENCLOSURE



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	**16A[1)]-20A-25A[1)]-32A-40A-63A-80A-100A-125A**
Polarity:	**1P+SN, 2P, 3P, 3P+SN, 3P+N, 6P, 8P**
Rated voltage:	**690Vac - 600Vdc**
Frequency	**50/60Hz, d.c.**
Insulating voltage:	**690Vac - 600Vdc**
Protection degree:	**IP65**
Installation temperature:	**-25°C +60°C**
Material:	**Sheet steel**
Finishing:	**Painting by cathodic electrophoresis with epoxy resin and finishing with thermosetting epoxy polyester powders**
Colour:	**RAL 7035**
Self extinguishing degree (GWT):	**960°C (switch)**
Impact resistance:	**IK10**
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF (3 padlocks) ON (1 padlock)**
Max diameter of the padlock arch:	**16A ÷ 40A 6mm 63A ÷ 80A 8mm**

2P, 3P+N and 8P versions with early make late break neutral pole.
1P+SN and 3P+SN versions with unswithced neutral (solid neutral terminal block).
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

[1)] *Only for 6 and 8 poles.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES 1P+SN, 2P, 3P, 3P+SN, 3P+N

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
20-32-40-63-80	1P+SN, 2P, 3P, 3P+SN,3P+N	150x210x107	Top/Bottom	Blank side
			Rear	Blank side
100-125	3P, 3P+SN,3P+N	200x300x120	Top/Bottom	Blank side
			Rear	Blank side

Special drillings on request.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES 6P, 8P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
16-25-32-40	6P, 8P	150x210x107	Top/Bottom	Blank side
			Rear	Blank side
63-80	6P, 8P	200x300x120	Top/Bottom	Blank side
			Rear	Blank side
100-125	6P, 8P	300x400x120	Top/Bottom	Blank side
			Rear	Blank side

Special drillings on request.

TECHNICAL CHARACTERISTICS 20A-125A 1P+SN, 2P, 3P, 3P+SN, 3P+N

Switch size					Y1			Y2		Y4	Y5
Rated current In					**20A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**
Rated insulation voltage	**Ui**			VAC	690	690	690	690	690	800	800
Rated impulse withstand voltage	**Uimp**			kV	4	4	4	4	4	8	8
Rated thermal current	**Ithe**			A	20	32	40	63	80	100	125
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125
			500V	A	20	32	32	63	80	100	125
			690V	A	20	32	32	63	80	100	125
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125
			500V	A	20	32	32	63	80	100	125
			690V	A	20	32	32	63	80	100	125
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	20	32	35	63	67	100	125
			500V	A	20	25	25	40	67	-	125
			690V	A	20	25	25	30	38	-	100
	AC23A[1]	Rated operational power	415V	Kw	9	15	18.5	33	37	46	55
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	415V	A	18	25	28.5	40	55	-	-
			690V	A	12	18	20	25	32	-	-
Short circuit withstand current	**Icw (1s)**			A	400	400	400	1500	1500	1500	3000
Conditional short circuit current				kAeff	10	10	10	10	10	30	50
Associate fuse size for conditional short circuit current - type gG				A	20	32	40	63	80	100	125
Flexible wires				mm^2	1.5-10	1.5-10	1.5-10	10-35	10-35	10-50	10-70
Rigid wires				mm^2	1.5-16	1.5-16	1.5-16	10-35	10-35	10-50	10-70

[1] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

TECHNICAL CHARACTERISTICS 16A-125A 6P, 8P

Switch size					Y3				Y4			Y5
Rated current In					**16A**	**25A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**
Rated insulation voltage	**Ui**			VAC	800	800	800	800	800	800	800	800
Rated impulse withstand voltage	**Uimp**			kV	8	8	8	8	8	8	8	8
Rated thermal current	**Ithe**			A	16	25	32	40	63	80	100	125
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125
			500V	A	16	25	32	40	63	160	80	125
			690V	A	16	25	32	40	63	160	80	125
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125
			500V	A	16	25	32	40	63	160	80	125
			690V	A	16	25	32	40	40	40	40	125
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	25	32	40	63	80	100	125
			500V	A	16	25	32	40	63	63	63	125
			690V	A	16	25	25	25	32	32	32	100
	AC23A[1)]	Rated operational power	415V	Kw	7,5	11	15	18,5	35	37	46	55
Short circuit withstand current	**Icw (1s)**			A	1100	1100	1100	1100	1500	1500	1500	3000
Conditional short circuit current				kAeff	50	50	50	50	50	50	30	50
Associate fuse size for conditional short circuit current - type gG				A	16	25	32	40	63	80	100	125
Flexible wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70
Rigid wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		590.PL004001 590.PL004002	590.PL004005	590.PL004003 590.PL004004	590.PL004006	590.PL005
Switch type		**Y1**		**Y2**		**Y3-Y4-Y5**
Contact type		NC NO	NO/NC	NC NO	NO/NC	NO/NC
Break activation		Simultaneous	Break before main contacts	Simultaneous	Break before main contacts	Simultaneous
Rated thermal current	400V	16A	10A	16A	10A	10A
	250V	16A	16A	16A	16A	16A
Rated operational current AC15	400V	4.5A	-	4.5A	-	-
	250V	6A	-	6A	-	-

ENCLOSED SWITCH-DISCONNECTORS IN DIRECT CURRENT FOR PHOTOVOLTAIC APPLICATION



REFERENCE STANDARDS

IEC EN 60947-3

IEC 60364-7-712

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use

TECHNICAL CHARACTERISTICS

Rated current:	**12A-16A-20A-30A-40A**
Polarity:	**2P (single string)** **4P (double string)**
Rated operational current at 1000Vdc in PV1 utilization category:	**12A-16A-20A-30A-40A**
Protection degree:	**IP66/IP69**
Installation temperature:	**-25°C +60°C**
Material:	**Thermoplastic**
Colour:	**Grey RAL 7035**
Insulation class:	**Class II (double insulation)** ⧈
Self extinguishing degree (GWT):	**650°C (body)** **960°C (switch)**
Impact resistance:	**IK09**
Handle lock (with padlock):	**OFF (3 padlocks)** **ON (1 padlock)**
Padlock arch diameter to be used:	**Single string 6mm** **Double string 8mm**

Equipped with door locking with the switch in ON position.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES

Poles (number of strings)	Enclosure dimensions (mm)	Cable entries		
2P single string	110x150x86	Top/bottom	2xM25	Knock-outs/Blank side
		Rear	1xM25	Knock-outs/Blank side
4P double string	160x220x115	Top/bottom	2xM32	Knock-outs/Blank side
		Rear	1xM32	Knock-outs/Blank side

Special drillings on request.
Reversible base, blank sides with drilling point marks.

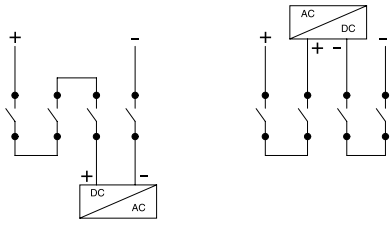
TECHNICAL CHARACTERISTICS 450V DC SWITCH

Switch size				**D1**
Rated current In				**16A**
Rated insulation voltage	**Ui**		VAC	690
Rated impulse withstand voltage	**Uimp**		kV	4
Rated thermal current	**Ithe**		A	30
Nr of poles in series				4
Rated operational current Ie	**AC21A/B** Resistive loads, including moderate overloads	300V DC	A	32
		450V DC	A	16
Short circuit withstand current	**Icw (1s)**		A	400
Flexible wires			mm^2	1.5-10
Rigid wires			mm^2	1.5-10

SWITCH LINKING

In order to make easier the work of the installer, it is possible to choose the manner of wiring of the poles in series.
In this way the incoming and the outgoing can be varied both on the top side and on the bottom side.
In the packaging jumpers are supplied to cover the chosen configuration.

590.DCGE0416 - (4 POLES IN SERIES) - 3 JUMPERS SUPPLIED



TECHNICAL CHARACTERISTIC 1000V DC SWITCH

Switch size						D2				
Rated operational current at 1000V in PV1 utilization category In						**12A**	**16A**	**20A**	**30A**	**40A**
Rated insulation voltage		**Ui**		V		1500	1500	1500	1500	1500
Rated impulse withstand voltage		**Uimp**		kV		8	8	8	8	8
Rated thermal current		**Ithe**		A		50	50	50	50	50
Rated operational current Ie	**PV1** Connecting and disconnecting single PV string(s) where reverse currents and significant overcurrent cannot occur		500Vdc	A	PV1-DC21B		50	50		
					PV2					
			600Vdc	A	PV1-DC21B	32				
					PV2	16				
			700Vdc	A	PV1-DC21B			40		
					PV2		16	20	25	
	PV2 Connecting and disconnecting PV circuits where significant overcurrents may prevail and where current flow can be in both directions; for example, where several strings are connected in parallel and to the same inverter, or one or more strings with a battery		750Vdc	A	PV1-DC21B	25	32	32		
					PV2	10	12	18		
			800Vdc	A	PV1-DC21B				45	
					PV2				17	
			1000Vdc	A	PV1-DC21B	12	16	20	30	40
					PV2	4	6	10	12	16
			1100Vdc	A	PV1-DC21B			12		
					PV2			5		
			1200Vdc	A	PV1-DC21B		8			
					PV2					
			1250Vdc	A	PV1-DC21B				20	25
					PV2				8	10
	DC21A Switching of resistive loads, including moderate overloads		1500Vdc	A	PV1-DC21B				10	15
					PV2				5	6
Short circuit withstand current		**Icw (1s)**			A	780	780	780	780	780
Conditional short-circuit current					kA	5	5	5	5	5
Short-circuit making capacity		Icm			kA	1.4	1.4	1.4	1.4	1.4
Flexible and rigid wires		Max			mm^2	2x6	2x6	2x6	2x6	2x6
Terminal capacity with fork terminals		Max			mm^2	1x16	1x16	1x16	1x16	1x16
Screw tightening torque					Nm	1,7 ±10%	1,7 ±10%	1,7 ±10%	1,7 ±10%	1,7 ±10%

The standard configuration supplied is 1+1 poles.
It is possible to get higher rating wiring more poles in series, contact the technical assistance for further information

ENCLOSED SWITCH-DISCONNECTORS IN THERMOPLASTIC ENCLOSURE





REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	16A[1]-20A-25A[1]-32A-40A-63A 80A-100A-125A-160A
Polarity:	1P+SN, 2P, 3P, 3P+SN, 3P+N, 4P, 6P, 8P
Rated voltage:	690Vac - 600Vdc
Insulating voltage:	690Vac - 600Vdc
Frequency:	50/60Hz-c.c.
Protection degree:	Surface mounting version IP66/IP69 125A-160A 6-8P IP55 Flush mounting version 20A–40A IP55
Installation temperature:	-25°C +60°C
Material:	Thermoplastic
Colour:	Grey RAL 7035
Insulation class:	Class II (double insulation) ⧈
Self extinguishing degree (GWT):	650°C (body) 960°C (switch)
Impact resistance:	20A÷100A IK09 125A÷160A IK08 Flush mounting version 20A-40A IK08
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF (3 padlocks) ON (1 padlock)[2]
Max diameter of the padlock arch:	20A÷40A 6mm 63A÷160A 8mm

2P, 3P+N and 8P versions with early make late break neutral pole.
1P+SN and 3P+SN versions with unswithced neutral (solid neutral terminal block).
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

[1] *Only for 6 and 8 poles.*
[2] *Only general use versions.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES
Enclosure in thermoplastic insulation material 1P+SN, 2P, 3P, 3P+SN, 3P+N, 4P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries		
20-32-40	1P+SN	82x120x69	Top/bottom	1xM20+1xM25	Knock-outs
			Rear	2xM20	Knock-outs
20-32-40	1P+SN, 2P, 3P, 3P+SN,3P+N, 4P	110x150x86	Top/bottom	2xM25	Knock-outs/Blank side[1)]
			Rear	2xM25	Knock-outs/Blank side
63-80-100	1P+SN, 2P, 3P, 3P+SN,3P+N, 4P	160x220x114	Top/bottom	2xM32	Knock-outs/Blank side[1)]
			Rear	2xM32	Knock-outs/Blank side[1)]
100-125-160	3P, 3P+SN, 3P+N	240x340x137	Top	2xm50+1xm16	Knock-outs/Blank side[1)]
			Bottom	2xm50+1xm16	Knock-outs/Blank side[1)]
			Rear	-	Blank side

Special drillings on request.

[1)] *Reversible base, blank sides with drilling point marks.*

CABLE ENTRIES
Enclosure in thermoplastic insulation material 6P, 8P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries		
16-25-32-40	6P-8P	160x220x114	Top/bottom	2xM32	Knock-outs o Blank side[1)]
			Rear	2xM32	Knock-outs o Blank side[1)]
63-80-100-125	6P-8P	240x340x137	Top	-	Blank side
			Bottom	-	Blank side
			Rear	-	Blank side
125-160	6P-8P	308x338x128	Top	-	Blank side
			Bottom	-	Blank side
			Rear	-	Blank side

Special drillings on request.

[1)] *Reversible base, blank sides with drilling point marks.*

TECHNICAL CHARACTERISTICS 20A-32A 1P+SN

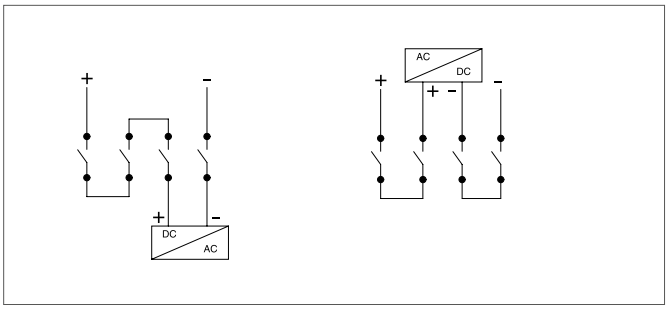
Switch size					Y01		
Rated current		**In**			**20A**	**32A**	**40A**
Rated insulation voltage		**Ui**		VAC	250	250	250
Rated impulse withstand voltage		**Uimp**		kV	4	4	4
Rated thermal current		**Ith/Ithe**		A	20	32	40
Rated operational current Ie	**AC22A**	Mixed resistive and inductive loads, including moderate overloads	250V	A	20	32	40
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	250V	A	20	22	25
Short circuit withstand current		**Icw (1s)**		A	480	480	480
Conditional short circuit current				kAeff	10	10	10
Associate fuse size for conditional short circuit current - type gG				A	20	32	40
Flexible wires				mm^2	1.5 - 6	1.5 - 6	1.5 - 6
Rigid wires				mm^2	1.5 - 6	1.5 - 6	1.5 - 6

TECHNICAL CHARACTERISTICS 20A÷160A 1P+SN 2P, 3P, 3P+SN, 3P+N, 4P

Switch size					Y1			Y2		Y4	Y5	
Rated current		**In**			**20A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage		**Ui**		VAC	690	690	690	690	690	800	800	800
Rated impulse withstand voltage		**Uimp**		kV	4	4	4	4	4	8	8	8
Thermal current				A	20	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
			500V	A	20	32	32	63	80	100	125	160
			690V	A	20	32	32	63	80	100	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
			500V	A	20	32	32	63	80	100	125	160
			690V	A	20	32	32	63	80	100	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	20	32	35	63	67	100	125	160
			500V	A	20	25	25	40	67	-	125	125
			690V	A	20	25	25	30	38	-	100	100
	AC23A[1]	Rated operational power	415V	Kw	9	15	18.5	33	37	46	55	69
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	415V	A	18	25	28.5	40	55	-	-	-
			690V	A	12	18	20	25	32	-	-	-
	DC22A[2]	Mixed resistive and inductive loads, including moderate overloads	250V	A	25	32	32	63	-	-	-	-
			600V	A	10	10	10	-	-	-	-	-
Short circuit withstand current		**Icw (1s)**		A	400	400	400	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	10	10	10	10	10	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	20	32	40	63	80	100	125	125
Flexible wires				mm^2	1.5-10	1.5-10	1.5-10	10-35	10-35	10-50	10-70	10-70
Rigid wires				mm^2	1.5-16	1.5-16	1.5-16	10-35	10-35	10-50	10-70	10-70

[1] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*
[2] *4P versions with poles in series.*

4P VERSIONS POLES CONNECTION IN SERIES FOR USE IN DC



TECHNICAL CHARACTERISTICS 16A÷160A 6P, 8P

Switch size					Y3				Y4			Y5	
Rated current		**In**			**16A**	**25A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage		**Ui**		VAC	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage		**Uimp**		kV	8	8	8	8	8	8	8	8	8
Rated thermal current		**Ith/Ithe**		A	16	25	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	63	160	80	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	40	40	40	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	63	63	125	125
			690V	A	16	25	25	25	32	32	32	100	100
	AC23A[1)]	Rated operational power	415V	kW	7,5	11	15	18,5	35	37	46	55	69
Short circuit withstand current		**Icw (1s)**		A	1100	1100	1100	1100	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	50	50	50	50	50	50	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	16	25	32	40	63	80	100	125	125
Flexible wires				mm^2	2.5-16	2.5-16	2.5-16	2.5-16	10-50	10-50	10-50	10-70	10-70
Rigid wires				mm^2	2.5-16	2.5-16	2.5-16	2.5-16	10-50	10-50	10-50	10-70	10-70

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		590.PL004001 590.PL004002	590.PL004005	590.PL004003 590.PL004004	590.PL004006	590.PL005
Switch type		**Y1**		**Y2**		**Y3-Y4-Y5**
Contact type		NC NA	NO/NC	NC NA	NO/NC	NO/NC
Break activation		Simultaneous	Break before main contacts	Simultaneous	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A	16A	16A
Rated operational current AC15	400V	6A	-	6A	-	-
	250V	8A	-	8A	-	-

ENCLOSED SWITCH-DISCONNECTORS IN THERMOPLASTIC ENCLOSURE WITH HINGED DOOR



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	**160A-200A-250A**
Polarity:	**3P, 3P+SN, 3P+N**
Rated voltage:	**690Vac**
Frequency:	**50/60Hz**
Insulating voltage:	**690Vac - 600Vdc**
Protection degree:	**IP65**
Installation temperature:	**-25°C +60°C**
Material:	**Thermoplastic**
Colour:	**Grey RAL 7035**
Insulation class:	**Class II (double insulation)** ⧈
Self extinguishing degree (GWT):	**650°C (body)** **960°C (switch)**
Impact resistance:	**IK10**
Auxiliary contacts:	**Max 2 auxiliary contacts**
Handle lock (with padlock):	**OFF (3 padlocks)**
Max diameter of the padlock arch:	**8mm**

3P+N versions with early make late break neutral pole.
3P+SN versions with unswithced neutral (solid neutral terminal block).
Earth conductor connection threaded bar.
Equipped with door locking with the switch in ON position.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

ENCLOSURE DIMENSIONS AND CABLE ENTRIES

Thermoplastic enclosures 3P, 3P+SN, 3P+N with hinged door and top/bottom cable entries.

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
160-200-250	3P, 3P+SN, 3P+N	464x519x245	Top/bottom	Blank side

Special drillings on request.

TECHNICAL CHARACTERISTICS 160A÷250A 3P, 3P+SN, 3P+N

Switch size					**K2**		
Rated current In					**160**	**200**	**250**
Rated insulation voltage		**Ui**		(V)	1000	1000	1000
Rated impulse withstand voltage		**Uimp**		kV)	12	12	12
Thermal current		**Ithe**		(A)	160	200	250
Rated operational current Ie	**AC21A/B**	Resistive loads, including moderate overloads	415V	(A)	160	200	250
			500V	(A)	160	200	250
			690V	(A)	160	200	250
	AC22A/B	Mixed resistive and inductive loads, including moderate overloads	415V	(A)	160	200	250
			500V	(A)	160	200	250
			690V	(A)	160	200	250
	AC23A/B	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	(A)	160	200	250
			500V	(A)	125	160	200
			690V	(A)	100	125	160
	AC23A[1)]	Rated operational power	415V	kW	85	105	130
Short circuit withstand current 1sec				(kA)	8	8	8
Conditional short circuit current				(kA)	50	50	50
Associate fuse size for conditional short circuit current - type gG				(A)	160	200	250
Terminal bolt size				mm^2	M8	M8	M8
Palm width				mm	21	21	21

[1)] *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		**590.PL006011 590.PL006021**
Switch type		**K2**
Contact type		NO/NC
Break activation		Break before main contacts
Rated current	250V	16A

ENCLOSED FUSE SWITCH-DISCONNECTORS IN THERMOPLASTIC ENCLOSURE



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use



Emergency use

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A-80A 100A-125A-160A**
Polarity:	**2P, 3P, 3P+N-4P[1)]**
Rated voltage:	**690Vac - 600Vdc**
Insulating voltage:	**690Vac - 600Vdc**
Frequency:	**50/60Hz**
Installation temperature:	**-25°C +60°C**
Material:	**Thermoplastic**
Colour:	**Grey RAL 7035**
Insulation class:	**Class II (double insulation)** ⧈
Self extinguishing degree (GWT):	**650°C (body) 960°C (switch)**
Impact resistance:	**IK08**
Protection degree:	**16A-32A IP65 63A÷160A IP55**
Handle lock (with padlock):	**OFF (3 padlocks) ON (1 padlock)**
Max diameter of the padlock arch:	**20A÷40A 6mm 63A÷160A 8mm**

2P e 3P+N versions with early make late break neutral pole.
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

[1)] *Only 16A and 32A rated currents.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Resistant**	**Limited resistance**	**Not resistant**	**Not resistant**	**Limited resistance**	**Limited resistance**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES 2P, 3P, 3P+N, 4P

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries	
16-32	2P, 3P,3P+N, 4P	240x190x125	Top/bottom	Blank side
			Rear	Blank side
63-80	3P, 3P+N	380x300x170	Top/bottom	Blank side
			Rear	Blank side
100-125-160	3P, 3P+N	450x370x180	Top/bottom	Blank side
			Rear	Blank side

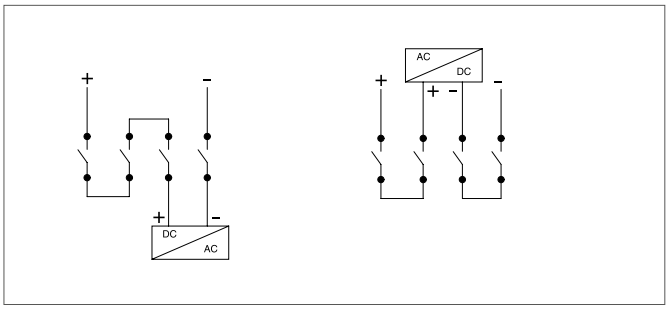
Special drillings on request.

TECHNICAL CHARACTERISTICS 16A÷160A 2P, 3P, 3P+N, 4P

Switch size					**F1**		**KF1**		**KF2**		
Rated current In					**16A**	**32A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage **Ui**				VAC	690	690	1000	1000	1000	1000	1000
				VDC	400	400	1500	1500	1500	1500	1500
Rated impulse withstand voltage **Uimp**				kV	4	4	8	8	12	12	12
Rated thermal current **Ith/Ithe**				A	16	32	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	32	63	80	100	125	160
			500V	A	16	32	63	80	100	125	160
			690V	A	16	32	63	80	100	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	32	63	80	100	125	160
			500V	A	16	32	63	80	100	125	160
			690V	A	16	32	63	80	100	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	32	63	80	100	125	160
			500V	A	16	32	45	63	80	100	125
			690V	A	16	25	32	45	63	80	100
	DC21A	Resistive loads, including moderate overloads	220V	A	25	32	63	80	100	125	160
			400V	A	-	-	-	-	100	125	160
			600V	A	-	-	-	-	-	-	-
Conditional short circuit current				kAeff	10	10	100	100	50	50	50
Associate fuse size for conditional short circuit current				A	16	32	63	80	100	125	160
Fuse type					gG	gG	DIN/BS	DIN/BS	DIN/BS	DIN/BS	DIN/BS
Flexible wires				mm^2	1,5-10	1,5-10	-	-	-	-	-
Rigid wires				mm^2	1,5-16	1,5-16	-	-	-	-	-
Terminal bolt size				mm			M6	M6	M8	M8	M8
Palm width				mm			15	15	21	21	21

[1] *4P versions with poles in series (16A-32A).*
This value is provided as an indication considering the most critical inductive loadcondition and may vary according to the specifications provided by the motor manufacturer.

4P VERSIONS POLES CONNECTION IN SERIES FOR USE IN DC



FUSES TYPE

Rated current (A)	16A	32A	63A	80A	100A	125A	160A
DIN type fuses	-	-	NH C00	NH C00	NH 00	NH 00	NH 00
BS type fuses	-	-	A2-A3	OSD	A4	DEO	DEO
Cylindrical fuses (gG)	10X38	10X38	-	-	-	-	-

AUXILIARY CONTACTS

Code		590.PL004001 590.PL004002	590.PL004005	590.PL0060011 590.PL0060021
Switch type		**YF1**	**YF1**	**KF2**
Contact type		NA NC	NO/NC	NO/NC
Break activation		Simultaneous	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A
Rated operational current AC15	400V	6A	-	-
	250V	8A	-	-

ENCLOSED CHANGE-OVER SWITCHES I-0-II IN THERMOPLASTIC ENCLOSURE



REFERENCE STANDARDS

IEC EN 60947-3

EN 60529

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



General use I-0-II

TECHNICAL CHARACTERISTICS

Rated current:	16A-25A-32A-40A-63A-80A 100A-125A-160A
Polarity:	3P, 3P+N
Rated voltage:	690Vac - 600Vdc
Insulating voltage:	690Vac - 600Vdc
Frequency:	50/60Hz
Protection degree:	16A÷40A IP66/IP69 63A÷160A IP55
Installation temperature:	-25°C +60°C
Material:	Thermoplastic
Colour:	Grey RAL 7035
Insulation class:	Class II (double insulation) ⧈
Self extinguishing degree (GWT):	650°C (body) 960°C (switch)
Impact resistance:	20A÷40A IK09 63A÷160A IK08
Auxiliary contacts:	Max 2 auxiliary contacts
Handle lock (with padlock):	OFF (3 padlocks)
Max diameter of the padlock arch:	20A÷40A 8mm

3P+N versions with early make late break neutral pole.
Terminal/threaded bar earth conductor connection.
Equipped with door locking with the switch in ON position.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE ENTRIES 16A÷160A 3P, 3P+N

Rated current (A)	Nr of poles	Enclosure dimensions (mm)	Cable entries		
16-25-32-40	3P, 3P+N	155x210x107	Top/bottom	-	Blank side[1)]
			Rear	2xM32	Knock-outs
63-80-100	3P, 3P+N	228x308x128	Top/bottom	-	Blank side
			Rear	-	Blank side
125-160	3P, 3P+N	308x338x128	Top/bottom	-	Blank side
			Rear	-	Blank side

Special drillings on request.

1) *Blank side with drilling point marks.*

TECHNICAL CHARACTERISTICS 16A÷160A 3P, 3P+N

Switch size					**C1**				**C2**			**C3**	
Rated current		**In**			**16A**	**25A**	**32A**	**40A**	**63A**	**80A**	**100A**	**125A**	**160A**
Rated insulation voltage		**Ui**		VAC	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage		**Uimp**		kV	8	8	8	8	8	8	8	8	8
Rated thermal current		**Ithe**		A	16	25	32	40	63	80	100	125	160
Rated operational current Ie	**AC21A**	Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	63	160	80	125	160
	AC22A	Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125	160
			500V	A	16	25	32	40	63	160	80	125	160
			690V	A	16	25	32	40	40	40	40	125	160
	AC23A	Switching of motor loads or other highly inductive loads (3 phase/3 pole)	415V	A	16	25	32	40	63	80	100	125	160
			500V	A	16	25	32	40	63	63	63	125	125
			690V	A	16	25	25	25	32	32	32	100	100
	AC23A	Rated operational power[1)]	415V	kW	7,5	11	15	18,5	35	37	46	55	69
Short circuit withstand current		**Icw**		A	1100	1100	1100	1100	1500	1500	1500	3000	3000
Conditional short circuit current				kAeff	50	50	50	50	50	50	30	50	50
Associate fuse size for conditional short circuit current - type gG				A	16	25	32	40	63	80	100	125	125
Flexible wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70
Rigid wires				mm^2	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	10-70

1) *This value is provided as an indication considering the most critical inductive load condition and may vary according to the specifications provided by the motor manufacturer.*

AUXILIARY CONTACTS

Code		**590.PL005**
Switch type		**C1-C2-C3**
Contact type		In scambio
Break activation		Break before main contacts
Rated thermal current	400V	10A
	250V	16A

COMMAND AND CONTROL DEVICES



REFERENCE STANDARDS

IEC EN 60947-5-1

MARKINGS AND DIRECTIVES

VERSIONS



Control stations



Push buttons



Selectors



Enbloc pilot lamp



Contact blocks

TECHNICAL CHARACTERISTICS

Protection degree:	**IP65**
Installation temperature:	**-25°C +70°C**
Material:	**Thermoplastic**
Self extinguishing degree (GWT):	**960°C (switches)** **850°C (front operators)**
NO-NC contacts:	**3 contacts max.**

AUXILIARY CONTACTS

Code		**590.PL004001** **590.PL004002**	**590.PL004005**	**590.PL0060011** **590.PL0060021**
Contact type		NA NC	NO/NC	NO/NC
Break activation		Simultaneous	Break before main contacts	Break before main contacts
Rated current	250V	16A	16A	16A
Rated operational current AC15	400V	6A	-	-
	250V	8A	-	-

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	**Acids**		**Bases**		**Solvents**				**Mineral oil**	**UV rays**
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Resistant**	**Limited resistance**	**Not resistant**	**Not resistant**	**Limited resistance**	**Limited resistance**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SURFACE MOUNTING JUNCTION BOXES IN DIE-CAST ALUMINIUM



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-22

MARKINGS AND DIRECTIVES

VERSIONS



Junction boxes

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66/IP67/IP69 IP66 (size 7)**
Installation temperature:	**-25°C +90°C**
Material:	**Alluminium alloy**
Impact resistance (IK degree):	**IK08**
Cable entries:	**Blank side**
DIN rail fixing:	**Yes**
Colour:	**Grey RAL 7040 with metallic pigments**

Heavy duty appliance for internal industrial applications.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Limited resistance	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SURFACE MOUNTING ENCLOSURE FOR DEVICES FIXING



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-22

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Single module



Double module



Quadruple module

TECHNICAL CHARACTERISTICS

Protection degree:	**IP41**
Installation temperature:	**-15°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic (Halogen Free)**
Impact resistance (IK degree):	**IK08**
Insulation class:	**Class II (double insulation)**
Colour:	**Grey RAL 7035**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

EMPTY ENCLOSURES FOR COMPACT DISTRIBUTION ASSEMBLIES



VERSIONS



BLOCK1 (4 DIN)



BLOCK3 (6 DIN)



BLOCK4 (11 DIN)



BLOCK5 (14 DIN)

REFERENCE STANDARDS

IEC EN 62208

IEC EN 60670-1

IEC EN 60670-24

IEC EN 61439-3

IEC EN 61439-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic**
Impact resistance (IK degree):	**IK08**
Cable inlets:	**Blank side**
Insulation class:	**Class II (double insulation)** ⧈
Dissipable power:	**9W (BLOCK3)** **14W (BLOCK4)** **15W (BLOCK5)**
Colour:	**Grey RAL 7035**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Not resistant	Not resistant	Not resistant	Limited resistance	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SURFACE MOUNTING JUNCTION BOXES GW 960°C



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-22

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



With cable sleeves:
- Clip-in cover
- Screw-down cover with 1/4 turn screws



With blank sides:
- Screw-down cover with 1/4 turn screws

TECHNICAL CHARACTERISTICS

Protection degree:	**IP55**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**960°C**
Material:	**Thermoplastic**
Impact resistance (IK degree):	**IK07**
Insulation class:	**Class II (double insulation)**
DIN rail fixing:	**Yes**
Colour:	**Grey RAL 7035** **Red RAL 3001**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Resistant	Resistant	Not resistant	Not resistant	Not resistant	Limited resistance	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SURFACE OR FLUSH MOUNTING CONSUMER UNITS



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Surface mounting
With window (8-24 DIN)



Surface mounting
Without window (2-54 DIN)



Surface mounting
With window (4-54 DIN)

TECHNICAL CHARACTERISTICS

Protection degree:	**IP40**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic (Halogen Free)**
Impact resistance (IK degree):	**IK06**
Cable entries:	**Blank side**
Dissipable power:	**9÷140W**
Colour:	**Grey RAL 7035** **White RAL 9003**
Terminal blocks fixing possibility:	**Yes**
Insulation class:	**Class II (double insulation)** ⧈

CONNECTION CAPACITY

Nominal size mm²	Rated current (A)	Type of conductor	DOMINO terminal blocks Conductors section (mm²)										
			0,75	1	1,5	2,5	4	6	10	16	25	35	50
10	57	rigid	-	-	1÷4	1÷3	1÷2	1	1	-			
		flexible	-	-	1÷4	1÷3	1÷2	1	-	-			
16	76	rigid	-	-	-	1÷4	1÷3	1÷2	1	1			
		flexible	-	-	-	1÷4	1÷3	1÷2	1	-			



BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Not resistant	Not resistant	Resistant	Not resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SURFACE MOUNTING WATERTIGHT CONSUMER UNITS



REFERENCE STANDARDS

IEC EN 62208

IEC EN 60670-1

IEC EN 60670-24

IEC EN 61439-3

IEC EN 61439-4

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Consumer units



Distribution assemblies

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic**
Impact resistance (IK degree):	**IK08**
Cable entries:	**Blank side**
Dissipable power according to CEI 23-49 Standard:	**6÷60W**
Colour:	**Grey RAL 7035**
Terminal blocks fixing possibility:	**Yes**
Insulation class:	**Class II (double insulation)** ⧈

CONNECTION CAPACITY

Nominal size mm²	Rated current (A)	Type of conductor	DOMINO terminal blocks Conductors section (mm²)										
			0,75	1	1,5	2,5	4	6	10	16	25	35	50
10	57	rigid	-	-	1÷4	1÷3	1÷2	1	1	-			
		flexible	-	-	1÷4	1÷3	1÷2	1	-	-			
16	76	rigid	-	-	-	1÷4	1÷3	1÷2	1	1			
		flexible	-	-	-	1÷4	1÷3	1÷2	1	-			



BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Not resistant	Not resistant	Resistant	Not resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SURFACE MOUNTING WATERPROOF MODULAR CABINETS FOR DISTRIBUTION



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-24

IEC EN 62208

MARKINGS AND DIRECTIVES

CE UKCA

QUALITY MARKS

VERSIONS



LT cabinets (24-80 DIN)
High resistance thermoplastic enclosure



MV cabinets (24-80 DIN)
15/10 metal enclosure painted with epoxy resin, for indoor use only



AI cabinets (24-80 DIN)
Stainless steel enclosure

TECHNICAL CHARACTERISTICS

Protection degree:	**IP65**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**High resistance thermoplastic (Halogen Free) / Metal / Stainless steel**
Impact resistance (IK degree):	**IK08 (Door with window) IK10 (Blank door)**
Cable entries:	**Blank side (thermoplastic versions) Plate (metal versions)**
Insulation class:	**Class II (double insulation)** ⧈
Colour:	**Grey RAL 7035**

TYPES

	Dimensions (mm)	DIN modules	DIN modules per row
Type 1	320x370x210	24 DIN	12 DIN
Type 2	460x370x245	40 DIN	20 DIN
Type 3	460x520x245	60 DIN	20 DIN
Type 4	460x670x245	80 DIN	20 DIN

There are 4 cabinets available in the EASYBOX Series, each with three different variations (LT, MV and AI).

DISSIPABLE POWER

Enclosures	DIN modules	Set-up with frame and DIN rail or base plate and internal door (W)			Set-up with base plate in L3 position (W)		
		LT	MV	AI	LT	MV	AI
Type 1	24 DIN	35	45	30	40	65	40
Type 2	40 DIN	50	60	42	84	105	62
Type 3	60 DIN	58	73	47	100	125	78
Type 4	80 DIN	85	98	63	125	150	94

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - THERMOPLASTIC ALLOY

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Not resistant	Not resistant	Resistant	Not resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

EMERGENCY CONSUMER UNITS



REFERENCE STANDARDS

IEC EN 60947-5-1

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

CE UKCA

VERSIONS



Flush mounting with emergency illuminated push button



Surface mounting with emergency illuminated push button



Surface mounting with DIN rail or mounting plate

TECHNICAL CHARACTERISTICS

Protection degree:	**IP55 (push button version)** **IP65 (DIN rail version)**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic (Halogen Free)**
Insulation class:	**Class II (double insulation)** ⧈
Colour:	**Red RAL 3000**

TECHNICAL CHARACTERISTICS FOR EMERGENCY PUSH BUTTON DEVICES

Rated operational voltage Ue:	**250V**
Utilization category:	**AC12**
Rated operational current Ie:	**2A**
Rated insultation voltage Ui:	**250V**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Not resistant**	**Not resistant**	**Resistant**	**Resistant**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

EMPTY ENCLOSURES FOR DISTRIBUTION ASSEMBLIES WITH FRONT AND SIDE SOCKETS



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

CE UK CA

VERSIONS



6 DIN



11 DIN



Side cut-outs on right and left sides for DOMO Series (50x60mm flange)

TECHNICAL CHARACTERISTICS

Protection degree:	**IP55**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic (Halogen Free)**
Impact resistance (IK degree):	**IK08**
Cable entries:	**PG16-PG21-PG29**
Insulation class:	**Class II (double insulation)** ⧈
Dissipable power according to CEI 23-49 Standard:	**Size 6 DIN 9W** **Size 11 DIN 15W**
Colour:	**Grey RAL7035**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Resistant**	**Resistant**	**Not resistant**	**Not resistant**	**Resistant**	**Not resistant**	**Limited resistance**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

FLUSH MOUNTING CONSUMER UNITS WITH FLAT DOOR





REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

CE UK CA

QUALITY MARKS

EAC

VERSIONS



Flush mounting for brick walls or plasterboard (12-60 DIN)

TECHNICAL CHARACTERISTICS

Rated voltage:	**400V~**
Protection degree:	**IP40**
Installation temperature:	**-15°C +60°C**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (enclosure for plasterboard)** **960°C (terminal blocks)**
Material:	**Thermoplastic Halogen Free (enclosure and terminal boards)** **Painted steel (door)**
Insulation class:	**Class II (double insulation)** ⧈
Power dissipation:	**25W÷75W**
Colour:	**White**
Terminal blocks:	**Yes**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Limited resistance	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SHOCKPROOF DISTRIBUTION ASSEMBLIES



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 61439-3

IEC EN 61439-4

MARKINGS AND DIRECTIVES

CE UKCA

QUALITY MARKS

EAC

VERSIONS



Empty rubber enclosures for distribution assemblies



Distribution assemblies with rubber enclosure



Distribution assemblies with LLDPE enclosure

TECHNICAL CHARACTERISTICS

Protection degree:	**IP44 - IP65**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**960°C**
Impact resistance (IK degree):	**IK09 (Distribution assemblies) IK10 (Empty enclosure)**
Terminal blocks fixing possibility:	**Yes**
Material:	**Rubber / LLDPE**
Colour:	**Black**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - EMPTY RUBBER ENCLOSURES

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - DISTRIBUTION ASSEMBLIES WITH LLDPE ENCLOSURE

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Limited resistance	Limited resistance	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

EMPTY SURFACE MOUNTING CONSUMER UNITS



REFERENCE STANDARDS

IEC EN 62208

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

VERSIONS



2-4-6-8-12-18-24-36-54-72 DIN

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic**
Impact resistance (IK degree):	**IK09**
Cable entries:	**Blank side**
Dissipable power:	**15÷89W**
Colour:	**Grey RAL 7035**
Terminal blocks fixing possibility:	**Yes**
Insulation class:	**Class II (double insulation)** ⧈

IKONA Series consumer units make it easier for the installer to certify panels for photovoltaic installations (PVA) according to IEC EN 61439-2 annex DD.

ADDITIONAL TERMINAL BLOCK CONNECTION CAPACITY (5x10mmq+5x16mmq)

Nominal size mm²	Rated current (A)	Type of conductor	Conductors section (mm²)										
			0,75	1	1,5	2,5	4	6	10	16	25	35	50
10	57	rigid	-	-	1÷4	1÷3	1÷2	1	1	-			
		flexible	-	-	1÷4	1÷3	1÷2	1	-	-			
16	76	rigid	-	-	-	1÷4	1÷3	1÷2	1	1			
		flexible	-	-	-	1÷4	1÷3	1÷2	1	-			



BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Not resistant	Not resistant	Resistant	Not resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

THERMOPLASTIC PEDESTALS FOR ENERGY DISTRIBUTION IN PUBLIC AREAS



REFERENCE STANDARDS

CEI 64-8/7 sez. 708/711
IEC 60364-7-709
IEC 60364-7-711
IEC 60364-7-740
Electrical installations.

IEC EN 61439-1
IEC EN 61439-7
Assembled equipment.

MARKINGS AND DIRECTIVES

CE UKCA

QUALITY MARKS

EAC

VERSIONS

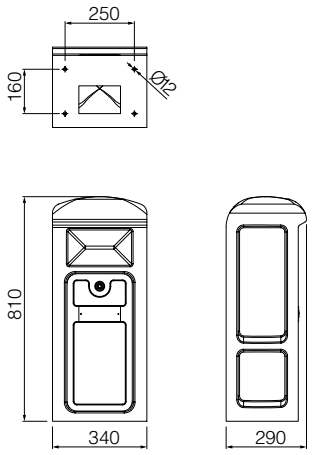


Distribution pedestals terminals in thermoplastic materials (SMART-K - SMART-C - SMART-X)

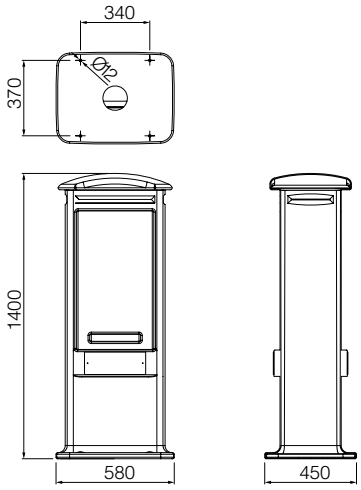
TECHNICAL CHARACTERISTICS

Protection degree:	**IP56**
Installation temperature:	**-25°C +60°C**
Insulation class:	**Class II (double insulation)** ⧈
Material:	**Thermoplastic**
Impact resistance (IK degree):	**IK10**
Plastic colour:	**Blue**
Power supply terminal board:	**Upon request**
Water service:	**Upon request**
Circuit breakers:	**6A supplied (other sizes upon request)**

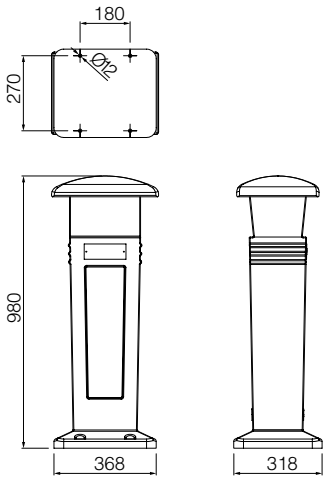
Smart K



Smart C



Smart X



BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Not resistant	Not resistant	Resistant	Not resistant	Resistant

POLE MOUNTING DISTRIBUTION PEDESTALS TERMINAL



REFERENCE STANDARDS

CEI 64-8/7 sez. 708/711
IEC 60364-7-709
IEC 60364-7-711
IEC 60364-7-740
Electrical installations.

IEC EN 61439-1
IEC EN 61439-3
IEC EN 61439-7
Assembled equipment.

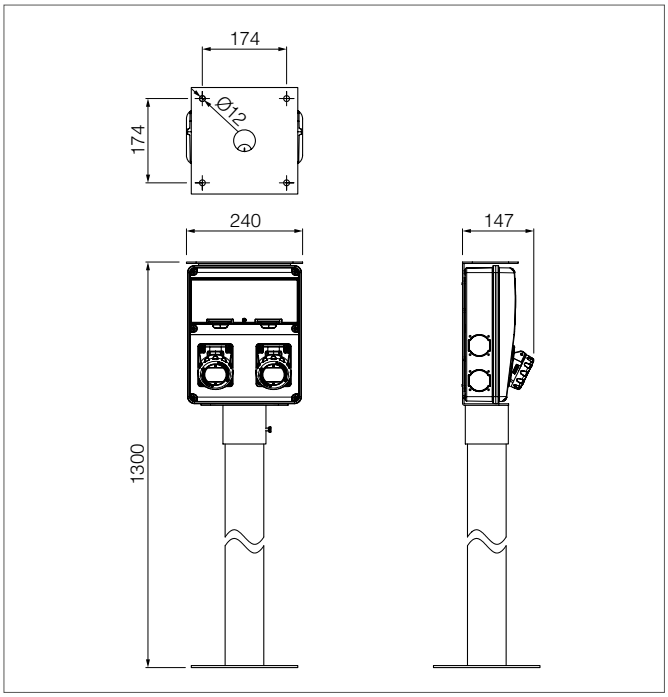
MARKINGS AND DIRECTIVES

CE UK CA

VERSIONS



Pole mounting distribution pedestals terminal:
- Single sided
- Double sided



TECHNICAL CHARACTERISTICS

Protection degree:	**IP55/IP66**
Installation temperature:	**-25°C +60°C**
Insulation class:	**Class II (double insulation)** ⧈
Material:	**Painted galvanized steel (pole and roof) Thermoplastic (body)**
Impact resistance (IK degree):	**IK08**
Power supply terminal block:	**On request**
Circuit brakers:	**6A supplied (other sizes on request)**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Resistant**	**Resistant**	**Not resistant**	**Not resistant**	**Resistant**	**Not resistant**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

METAL PEDESTALS FOR ENERGY DISTRIBUTION IN PUBLIC AREAS



REFERENCE STANDARDS

CEI 64-8/7 sez. 708/711
IEC 60364-7-709
IEC 60364-7-711
IEC 60364-7-740
Electrical installations.

IEC EN 61439-1
IEC EN 61439-3
IEC EN 61439-7
Assembled equipment.

MARKINGS AND DIRECTIVES

CE UK CA

VERSIONS



enclosure in painted galvanized sheet steel / stainless steel



enclosure in painted sheet steel

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66**
Installation temperature:	**-25°C +60°C**
Insulation class:	**Class II (double insulation)** ⧈
Material:	**Painted galvanized sheet steel / stainless steel**
Impact resistance (IK degree):	**IK10**
Power supply terminal block:	**On request**
Circuit brakers:	**6A supplied (other sizes on request)**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Resistant**	**Resistant**	**Not resistant**	**Not resistant**	**Not resistant**	**Limited resistance**	**Resistant**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

EMPTY ENCLOSURES FOR DISTRIBUTION ASSEMBLIES FOR CONSTRUCTION SITE



REFERENCE STANDARDS

IEC EN 62208

IEC EN 61439-3

IEC EN 61439-4

MARKINGS AND DIRECTIVES

CE UKCA

QUALITY MARKS

VERSIONS



MBOX2 (16 DIN)



MBOX3 (39 DIN)



MBOX5 (52 DIN)

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66** **IP65 (versions with emergency push button)**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Impact resistance (IK degree):	**IK08 (Distribution asssemblies)** **IK09 (Empy enclosures for distribution assemblies)**
Material:	**Thermoplastic**
Insulation class:	**Class II (double insulation)** ⧈

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Not resistant	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SURFACE MOUNTING JUNCTION BOXES



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-22

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



With cable sleeves
- Press-fit cover
- Screw-down cover
- Screw-down cover with 1/4 turn screws



With blank sides
- Screw-down cover
- Screw-down cover with 1/4 turn screws

TECHNICAL CHARACTERISTICS

Protection degree:	**IP55 (versions with cable sleeves) IP56 (versions with blank sides)**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic (Halogen Free)**
Impact resistance (IK degree):	**IK04: Fam. 680 press-fit cover IK07: Fam. 685 with cable sleeves IK08: Fam. 686 with blank sides**
Insulation class:	**Class II (double insulation)** ⧈
DIN rail fixing:	**Yes**
Colour:	**Grey RAL 7035**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Not resistant	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

FLUSH MOUNTING JUNCTION BOXES



REFERENCE STANDARDS

IEC EN 60670-1

IEC EN 60670-22

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Flush mounting box
- Round
- Rectangular

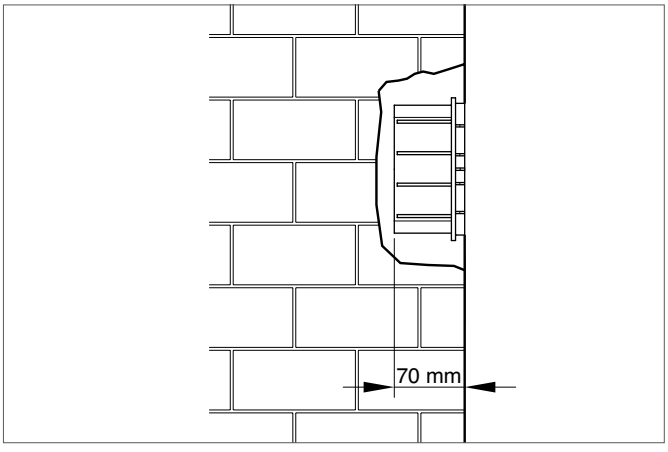


Covers for flush mounting boxes

TECHNICAL CHARACTERISTICS

Protection degree:	**IP40**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Whire**
DIN rail fixing:	**Yes**
Impact resistance (IK degree):	**IK04 (box)** **IK07 (cover)**

FLUSH MOUNTING INSTALLATION



BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Not resistant	Not resistant	Limited resistance	Resistant	Not resistant	Not resistant	Not resistant	Limited resistance	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

INDUSTRIAL ADAPTORS



REFERENCE STANDARDS

EN 50250

IEC EN 60309-1

IEC EN 60309-2

IEC EN 60670-1

IEC EN 60670-24

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Simple adaptors



Phase sequence adaptors
Configuration 5P-4P adaptors



Two-way adaptors



Three ways adaptors



Five-ways adaptors

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Protection degree:	**IP20 (Simple adaptors) IP44/IP54 - IP66/IP67/IP69 (Other adaptors versions)**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C/750°C (body) 850°C (contact carrier)**
Material:	**Thermoplastic**
Impact resistance (IK degree):	**IK08**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Not resistant	Limited resistance	Limited resistance	Not resistant	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

AUTOMATIC CABLE REELS FOR INDUSTRIAL USE



REFERENCE STANDARDS

EN 61242

IEC 1242

MARKINGS AND DIRECTIVES

CE UKCA

QUALITY MARKS

EAC

VERSIONS



Cable reel with supply cable to be wired and German standard domestic socket outlet



Cable reel with supply cable to be wired and CEE 2P+E industrial socket outlet

TECHNICAL CHARACTERISTICS

Rated current:	**16A**
Rated voltage:	**230V~**
Insulating voltage:	**250V~**
Protection degree:	**IP42**
Installation temperature:	**-5°C +50°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic**
Impact resistance (IK degree):	**IK08**
Cable:	**H05VV-F**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Not resistant	Not resistant	Limited resistance	Resistant	Not resistant	Not resistant	Not resistant	Limited resistance	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE REELS FOR INDUSTRIAL USE



REFERENCE STANDARDS

EN 61242

IEC 1242

IEC EN 61316

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



ROLLER 330 Series
- For domestic and industrial applications



ROLLER-BLOCK 330 Series
- With mobile stand for distribution assembly



ROLLER 450 Series
- For industrial applications



ROLLER-BLOCK 450 Series
- With mobile stand with wheels for distribution assembly

TECHNICAL CHARACTERISTICS

Rated voltage:	**230÷400V~**
Frequency:	**50/60Hz**
Protection degree:	**IP20-IP44-IP55 (according to socket outlets type)**
Installation temperature:	**-25°C +60°C**
Self extinguishing degree (GWT):	**650°C (body) 850°C (contact carrier)**
Material:	**Thermoplastic/metal (stand)**
Impact resistance (IK degree):	**Roller 300: IK07 Roller 450: IK08**
Cable for industrial versions:	**Type H07RN-F**
Cable for domestic versions:	**Type H05VV-F**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Not resistant	Not resistant	Limited resistance	Resistant	Not resistant	Not resistant	Not resistant	Limited resistance	Not resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WARNING DEVICES FOR FIXED PLACEMENT ON CONSTRUCTION SITE



REFERENCE STANDARDS

IEC EN 60598-1

IEC EN 60598-2-1

MARKINGS AND DIRECTIVES

CE UKCA

QUALITY MARKS

VERSIONS



Incandescent lamp - 60W 250V
- Polypropylene diffuser
- Polycarbonate diffuser



LED lamp
- Automatic lighting by twilight sensor

TECHNICAL CHARACTERISTICS

Rated voltage:	**6 V ⎓ - 250V~**
Protection degree:	**IP44 (fam. 780-781)** **IP55 (fam. 786)**
Installation temperature:	**Polypropylene diffuser:** **-5°C +35°C** **Polycarbonate diffuser:** **-15°C +35°C (red version)**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic**
Impact resistance (IK degree):	**IK07**
Cable entries:	**PG11-PG13**
Insulation class:	**Class II (double insulation)** ⧈
Lampholder type:	**E27**
Installation on inflammable surface:	**Yes**
Colour:	**Red** **Transparent**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Limited resistance**	**Limited resistance**	**Not resistant**	**Not resistant**	**Resistant**	**Limited resistance**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

PORTABLE LIGHTING DEVICES



REFERENCE STANDARDS

IEC EN 60598-1

IEC EN 60598-2-8

QUALITY MARKS

VERSIONS



IP20
- Stadard version
- Heavy Duty version



IP65

TECHNICAL CHARACTERISTICS

Protection degree:	**IP20-IP65**
Installation temperature:	**-5°C +35°C**
Rated wattage:	**60W**
Self extinguishing degree (GWT):	**650°C**
Impact resistance (IK degree):	**IK08 (IP65 version)** **IK09 (IP20 version)**
Cable entries:	**8-13mm** **(version without cable)**
Insulation class:	**Class II (double insulation)** ⧈
Lampholder type:	**E27**
Material:	**Thermoplastic**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Limited resistance	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SELF-LOCKING PLASTIC TIES



REFERENCE STANDARDS

IEC EN 62275

MARKINGS AND DIRECTIVES

CE UKCA

VERSIONS

Cable ties
- for indoor wiring



Cable ties
- for outdoor wiring

Fixing accessories for cable ties

TECHNICAL CHARACTERISTICS

Installation temperature:	**-10°C +60°C** **Versions for indoor wiring** **-30°C +60°C** **Versions for outdoor wiring**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Black** **Natural**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Not resistant	Not resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

DIMENSIONS
Cable ties for outdoor wiring

Dimensions (mm)	Tightening Ø MIN ÷ MAX (mm)	Tensile strenght (kg)
6x115	5 ÷ 25	28
6x180	9 ÷ 45	28
9x132	8 ÷ 27	40
9x180	10 ÷ 38	40
9x260	25 ÷ 63	57
9x360	25 ÷ 93	57

DIMENSIONS
Cable ties for indoor wiring

Dimensions (mm)	Tightening Ø MIN ÷ MAX (mm)	Tensile strenght (kg)
2.5x98	1 ÷ 21	8.16
2.5x135	1 ÷ 32	8.16
2.6x160	1 ÷ 40	8.16
2.6x200	1 ÷ 52	8.16
3.5x140	2 ÷ 32	18.36
3.5x200	3 ÷ 50	18.36
3.5x290	2 ÷ 80	18.36
3.5x370	2 ÷ 103	18
4.8x178	2 ÷ 45	22.44
4.5x200	3 ÷ 50	22.44
4.8x250	3 ÷ 68	22.44
4.5x290	4 ÷ 78	22.44
4.5x360	4 ÷ 100	22.44
4.5x430	4 ÷ 115	22.44
7.8x180	4 ÷ 45	55.08
7.8x300	4 ÷ 80	55
7.5x365	8 ÷ 100	55.08
9x780	32 ÷ 233	71.4

CABLE GLANDS AND ACCESSORIES FOR CABLING (LIGHT)



REFERENCE STANDARDS

IEC EN 62444

MARKINGS AND DIRECTIVES

VERSIONS



Cable glands with nut
- PG thread
- METRIC thread



Cable glands with nut
- PG thread
- METRIC thread

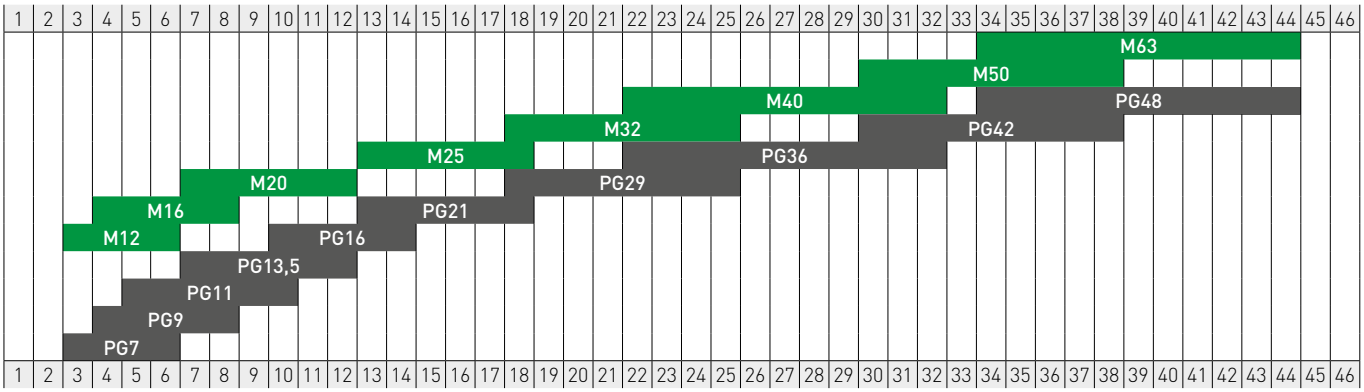


Couplers with nut and seal

TECHNICAL CHARACTERISTICS

Protection degree:	**IP68 - IP66 (couplers)**
Installation temperature:	**-5°C +60°C**
Self extinguishing degree (GWT):	**750°C**
Material:	**Thermoplastic (Halogen Free)**
Impact resistance (IK degree):	**IK05**
Colour:	**Grey RAL 7035**

CABLE GLAND SELECTION TABLE: METRIC/PG



BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Resistant	Resistant	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE GLANDS AND ACCESSORIES FOR CABLING (HEAVY DUTY)



REFERENCE STANDARDS

IEC EN 62444

MARKINGS AND DIRECTIVES

VERSIONS

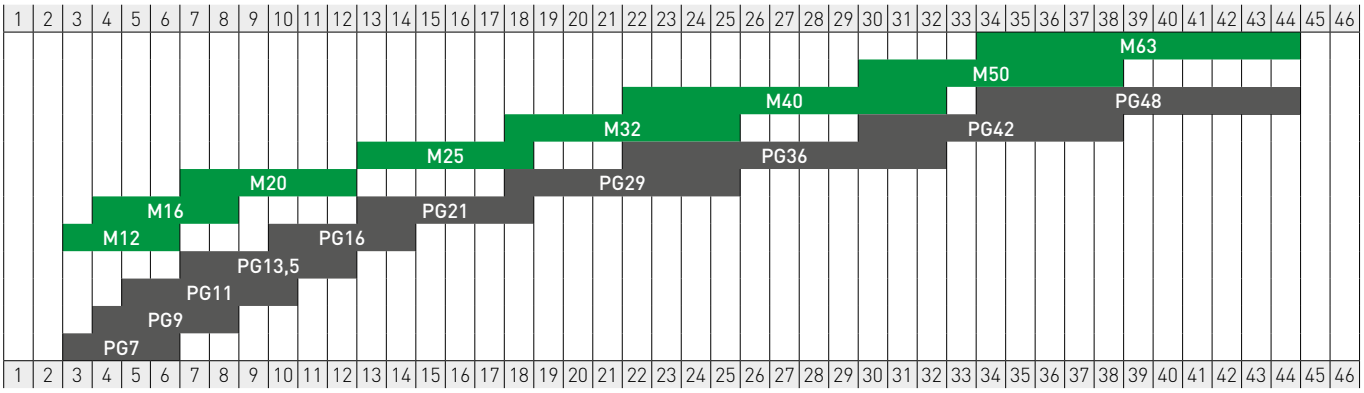


Cable glands with nut and seal
- PG thread
- METRIC thread

TECHNICAL CHARACTERISTICS

Protection degree:	**IP68/IP69**
Installation temperature:	**-20°C +60°C**
Self extinguishing degree (GWT):	**750°C**
Material:	**Thermoplastic (Halogen Free)**
Impact resistance (IK degree):	**IK06**
Colour:	**Grey RAL 7035**

CABLE GLAND SELECTION TABLE: METRIC/PG



BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Not resistant	Not resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

TERMINALS AND TERMINAL BLOCKS FOR ELECTRICAL CONNECTIONS



REFERENCE STANDARDS

IEC 60998-1

IEC 60998-2-1

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Insulated wire connectors T85



Multi ways insulated wire connectors T85



Terminal strips T85

Terminal strips T140

TECHNICAL CHARACTERISTICS

Rated current:	17,5A÷125A
Rated voltage:	250V~ - 450V~ - 750V~
T marking:	T85 - T140
Installation temperature:	-5°C +60°C (insulated wire connectors and multi ways insulated wire connectors) -15°C +60°C (Terminal strips T85) -25°C +60°C (Terminal strips T140)
Self extinguishing degree (GWT):	850°C T85 - 960°C T140
Material:	Thermoplastic (Halogen Free)
Impact resistance (IK degree):	IK07 (Insulated wire connectors and Terminal strips T85) IK08 (Multi ways insulated wire connectors) IK09 (Terminal strips T140)
Colour:	Transparent White Black Natural

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - INSULATED WIRE CONNECTORS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - T85 TERMINAL STRIPS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Resistant	Resistant	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS - T140 TERMINAL STRIPS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Not resistant	Not resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CONNECTION CAPACITY

Nominal size mm²	Cable entry Ø mm (•)	Rated current A	Type of conductor	Insulated wire connectors - single and in strips - T85 Conductors section (mm²)										
				0,75	1	1,5	2,5	4	6	10	16	25	35	50
1,5	3	17,5	rigid	2÷4	1÷3	1÷2	1							
			flexible	2÷4	1÷3	1÷2	1							
2,5	4	24	rigid		3÷5	2÷3	1÷2	1						
			flexible		2÷4	2÷3	1÷2	1						
4	4,6	32	rigid			3÷4	2÷3	1÷2	1					
			flexible			3÷4	2÷3	1÷2	1					
6	6	41	rigid			3÷5	2÷3	1÷2	1÷2	1				
			flexible			3÷4	2÷3	1÷2	1÷2	1				
10	8	57	rigid					3÷5	2÷4	1÷2	1			
			flexible					3÷4	2÷3	1÷2	1			
16	10	76	rigid						3÷5	2÷3	1÷2	1		
			flexible						3÷4	2÷3	1÷2	1		
25	12	101	rigid							2÷3	2÷3	2	1	
			flexible						3÷5	2÷3	2÷3	2	1	
35	14	125	rigid								2÷4	1÷3	1÷2	1
			flexible								2÷4	1÷3	1÷2	1



Nominal size mm²	Cable entry Ø mm (•)	Rated current A	Type of conductor	Terminal blocks T85 e T140 Conductors section (mm²)									
				0,75	1	1,5	2,5	4	6	10	16	25	35
2,5	2,7	24	rigid	1÷3	1÷2	1	1						
			flexible	1÷2	1÷2	1	1						
4	3	32	rigid	2÷4	1÷3	1÷2	1	1					
			flexible	1÷2	1÷2	1	1	1					
6	3,5	41	rigid			1÷3	1÷2	1	1				
			flexible			1÷3	1÷2	1					
10	4,4	57	rigid			1÷2	1÷2	1	1	1			
			flexible			1÷2	1÷2	1	1				
16	5,5	76	rigid				2÷3	1÷2	1	1	1		
			flexible				2	1÷2	1	1			
25	7,4	101	rigid					2÷4	2÷3	1	1	1	
			flexible					2÷3	1÷2	1	1		
35	9	125	rigid						2÷4	1÷2	1	1	1
			flexible						2÷3	1÷2	1	1	



The table refers to a dsingle terminal and to connections from one side only.

Nominal size mm²	Rated current A	Type of conductor	Multi ways wire connectors - T85 Conductors section (mm²)									
			1	1,5	2,5	4	6	10	16	25	35	50
6	41	rigid		1÷6	1÷4	1÷3	1÷2					
	41	flexible	1÷7	1÷5	1÷4	1÷3	1÷2					
16	76	rigid					1	1	1			
	76	flexible					1÷4	1÷2	1			
35	125	rigid							1	1	1	
	125	flexible							1÷2	1	1	



FASTENERS FOR CABLE CONDUITS



REFERENCE STANDARDS

IEC EN 61386-1

IEC EN 61386-25

MARKINGS AND DIRECTIVES

CE

TECHNICAL CHARACTERISTICS

Per tubo Ø (mm):	**16-20-25-32-40-50**
Installation temperature:	**-15°C +60°C**
Self extinguishing degree (GWT):	**850°C**
Material:	**Thermoplastic (Halogen Free)** **Galvanized steel**
Colour:	**Grey RAL 7035** **Brass**

THERMOPLASTIC VERSIONS



Snap clips



Snap clips with plug and screw



Collar clips



Ties



Pressure clips

GALVANIZED STEEL VERSIONS



Spacer bracket with M6 threaded base



Half saddle standard tyoe



Half saddle Heavy Duty type



Saddle

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS (THERMOPLASTIC VERSIONS)

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Limited resistance	Limited resistance	Limited resistance	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CONNECTING ELEMENTS WITH COINJECTED GASKET FOR CABLE CONDUITS



REFERENCE STANDARDS

IEC EN 61386-1

IEC EN 61386-21

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



90° bends



Counduit couplings



Conduit-to-box coupling



Conduit-to-sheath couplings (same diameter)



Box-to-sheath couplings

TECHNICAL CHARACTERISTICS

Protection degree:	**IP65 (flexible couplings - box to sheath coupling) IP66 (conduit-to-sheath couplings, conduit-to-conduit flexible couplings) IP66/IP67 (90° bends, conduit couplings, conduit-to-box couplings)**
Installation ambient temperature:	**-5°C +60°C**
Self extinguishing degree (GWT):	**750°C**
Impact resistance (IK degree):	**IK08**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL 7035**



Conduit-to-box flexible coupling



Conduit-to-conduit flexible couplings

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Resistant	Resistant	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CONNECTING ELEMENTS FOR CABLE CONDUITS - IP40



REFERENCE STANDARDS

IEC EN 61386-1

IEC EN 61386-21

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Inspection elbow



Flat tee inspection



90° bends



Conduit coupling



Corrugated conduit couplings

TECHNICAL CHARACTERISTICS

Protection degree:	**IP40**
Installation temperature:	**-5°C +60°C**
Self extinguishing degree (GWT):	**750°C**
Impact resistance (IK degree):	**IK06 (Inspection version)** **IK07**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL 7035** **Transparent**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Resistant**	**Resistant**	**Limited resistance**	**Limited resistance**	**Resistant**	**Resistant**	**Resistant**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

SLOTTED CABLE TRUNKING SYSTEM



REFERENCE STANDARDS

EN 50085-1

EN 50085-2-3

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Slotted cable trunkings
- Short pitch 4/6/4

TECHNICAL CHARACTERISTICS

Installation temperature:	**-5°C +60°C**
Self extinguishing degree (GWT):	**960°C**
Impact resistance (IK degree):	**IK06**
Material:	**Thermoplastic**
Colour:	**Grey RAL 7030**
Self extinguishing (UL94):	**V0**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Resistant	Resistant	Limited resistance	Resistant	Not resistant	Not resistant	Limited resistance	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CABLE TRUNKING SYSTEM



REFERENCE STANDARDS

EN 50085-1

EN 50085-2-1

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



With standard lid
(removable without tool)



With enveloping lid
(removable with tool)



With hinged lid
(adhesive bottom)



Accessories

TECHNICAL CHARACTERISTICS

Protection degree:	**IP40**
Installation temperature:	**-20°C +60°C**
Self extinguishing degree (GWT):	**750°C**
Impact resistance (IK degree):	**IK06**
Material:	**Thermoplastic**
Colour:	**White RAL 9003**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Resistant	Resistant	Limited resistance	Resistant	Not resistant	Not resistant	Limited resistance	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

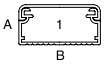
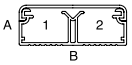
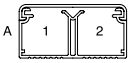
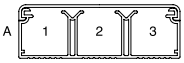
TECHNICAL DATA FOR THE CHOICE OF SCAME WADO SERIES MINI TRUNKINGS

Note: the maximum number of conductors that can be installed takes into account the regulatory provisions by CEI 64-8 Reference Standard which requires the application of a filling coefficient of 50% for the compartments intended to house energy cables

STANDARD LID



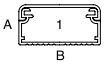
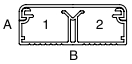
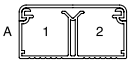
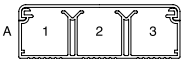
removable:
without tools

	Dimensions b x h (mm)	N° of compartments	A (mm)	B (mm)	Compartments	Compartment section (mm²)	Total section (mm²)	Capacity Maximum number of conductors that can be installed cable H07V-U / R / K Sect. (mm²)			
								1,5	2,5	4	6
	**20x10**	1	10	20	1	129	129	5	4	3	2
	**20x15**	1	15	20	1	170	170	7	5	4	3
	**30x15**	1	15	30	1	288	288	12	9	7	5
	**40x10**	2	10	40	1	126	252	5	3	3	2
					2	126		5	3	3	2
	**40x15**	2	15	40	1	173	346	8	5	4	3
					2	173		8	5	4	3
	**40x20**	2	20	40	1	259	518	11	8	6	5
					2	259		11	8	6	5
	**60x20**	3	20	60	1	254	774	11	8	6	5
					2	266		11	8	6	5
					3	254		11	8	6	5

ENVELOPING LID



removable:
with tool

	Dimensions b x h (mm)	N° of compartments	A (mm)	B (mm)	Compartments	Compartment section (mm²)	Total section (mm²)	Capacity Maximum number of conductors that can be installed cable H07V-U / R / K Sect. (mm²)			
								1,5	2,5	4	6
	**20x15**	1	15	20	1	160	160	8	5	4	3
	**30x15**	1	15	30	1	278	278	13	9	7	5
	**40x15**	2	15	40	1	168	336	7	5	4	3
					2	168		7	5	4	3
	**40x20**	2	20	40	1	259	518	11	8	6	5
					2	259		11	8	6	5
	**60x20**	2	20	60	1	254	774	12	7	6	5
					2	266		12	8	6	5
					3	254		12	7	6	5

MOBILE DOMESTIC PLUGS AND SOCKETS



REFERENCE STANDARDS

CEI 23-50

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Plugs with axial cable outlet



Flat Plugs with 90° angled cable outlet



Sockets with axial cable outlet

TECHNICAL CHARACTERISTICS

Rated current:	**10A-16A**
Rated voltage:	**250V~**
Frequency:	**50Hz**
Protection degree:	**IP20D**
Installation temperature:	**-15°C +60°C**
Cabling capacity of the terminals:	**0,75mm² ÷ 1,5mm² (10A)** **0,75mm² ÷ 2,5mm² (16A)**
Self extinguishing degree (GWT):	**750°C**
Material:	**Thermoplastic**
Colour:	**White RAL 9010** **Black RAL 9011**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

MOBILE DOMESTIC PLUGS AND SOCKETS WITH EXTERNAL CABLE SLEEVE





REFERENCE STANDARDS

CEI 23-50

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Plug with axial cable outlet / 90° adjustable pins



Plug with axial cable outlet



Flat Plugs with 90° angled cable outlet



Sockets with axial cable outlet

TECHNICAL CHARACTERISTICS

Rated current:	**10A-16A**
Rated voltage:	**250V~**
Frequency:	**50Hz**
Protection degree:	**IP20D**
Installation temperature:	**-15°C +60°C**
Cabling capacity of the terminals:	**0,75mm² ÷ 1,5mm² (10A)** **0,75mm² ÷ 2,5mm² (16A)**
Self extinguishing degree (GWT):	**750°C**
Material:	**Thermoplastic**
Colour:	**White RAL 9010** **Black RAL 9011**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

DOMESTIC PLUGS AND CONNECTORS WITH RUBBER BODY



REFERENCE STANDARDS

CEI 23-124

IEC 60884-1

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Plug



Connectors



Multiple sockets with switch

TECHNICAL CHARACTERISTICS

Rated current:	**16A**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP44**
Installation temperature:	**-15°C +60°C**
Cabling capacity of the terminals:	**0,75mm² ÷ 2,5mm²**
Self extinguishing degree (GWT):	**650°C (body)** **750°C (contact carrier)**
Material:	**Thermoplastic - Rubber**
Colour:	**Black**

MOBILE DOMESTIC PLUGS AND SOCKETS WITH SIDE EARTH



REFERENCE STANDARDS

CEI 23-50

IEC 60884-1

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Plugs with straight cable outlet



Plugs with 90° angled cable outlet



Flat Plugs with 90° angled cable outlet



Plugs with straight cable outlet

TECHNICAL CHARACTERISTICS

Rated current:	**16A**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP20D**
Installation temperature:	**-15°C +60°C**
Cabling capacity of the terminals:	**0,75mm² ÷ 2,5mm² (16A)**
Self extinguishing degree (GWT):	**750°C**
Material:	**Thermoplastic**
Colour:	**White RAL 9010** **Black RAL 9011**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Not resistant**	**Not resistant**	**Limited resistance**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

DOMESTIC ADAPTORS



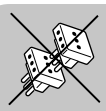
REFERENCE STANDARDS

CEI 23-50

CEI 23-57

MARKINGS AND DIRECTIVES

QUALITY MARKS



VERSIONS



One-way adaptors



Multi-ways adaptors

TECHNICAL CHARACTERISTICS

Rated current:	**10A-16A**
Rated voltage:	**250V~**
Frequency:	**50Hz**
Protection degree:	**IP20D**
Installation temperature:	**-15°C +60°C**
Self extinguishing degree (GWT):	**750°C**
Material:	**Thermoplastic**
Colour:	**White RAL 9010** **Black RAL 9011**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Limited resistance**	**Resistant**	**Not resistant**	**Not resistant**	**Resistant**	**Limited resistance**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

DOMESTIC MULTIPLE SOCKETS



REFERENCE STANDARDS

CEI 23-50

CEI 23-124

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Multiple sockets



Space saver multiple sockets



Multiple sockets with lightning protection



Desk multiple sockets

TECHNICAL CHARACTERISTICS

Rated current:	**10A-16A**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP20D**
Installation temperature:	**-15°C +60°C**
Cabling capacity of the terminals (senza cavo):	**0,75mm² ÷ 2,5mm²**
Self extinguishing degree (GWT):	**750°C**
Material:	**Thermoplastic**
Colour:	**White RAL 9010** **Black RAL 9011**

LIGHTNING PROTECTION

Lightning protection devices are equipped with an electronic device which in case of overvoltage (> 300V ~ - Max 21J) beyond the transient time of 8/20 microseconds lowers its resistance and generates a short circuit (1.2kA discharge power).
This short circuit triggers the protection fuse, which protects when opening the load downstream. It should be noted that the device always allows power even if the indicator light is off, but in this case the lightning protection device no longer guarantees any type of protection.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

DOMESTIC MULTIPLE SOCKETS WITH PLURISTANDARD SOCKET OUTLETS



REFERENCE STANDARDS

CEI 23-124

CEI 23-50

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

EAC

VERSIONS



Multiple sockets



Multiple sockets with lightning protection

TECHNICAL CHARACTERISTICS

Rated current:	**16A**
Rated voltage:	**250V~**
Frequency:	**50Hz**
Protection degree:	**IP20D**
Installation temperature:	**-15°C +60°C**
Self extinguishing degree (GWT):	**750°C**
Cabling capacity of the terminals:	**0,75mm²÷2,5mm²**
Material:	**Thermoplastic**
Colour:	**Random**[1)] **Anthracite RAL 7021**

[1)] *Random color is to be understood as randomly "white base - gray cover" or "gray base - white cover".*

LIGHTNING PROTECTION
Lightning protection devices are equipped with an electronic device which in case of overvoltage (> 300V ~ - Max 21J) beyond the transient time of 8/20 microseconds lowers its resistance and generates a short circuit (1.2kA discharge power).
This short circuit triggers the protection fuse, which protects when opening the load downstream. It should be noted that the device always allows power even if the indicator light is off, but in this case the lightning protection device no longer guarantees any type of protection.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Limited resistance	Limited resistance	Resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

DOMESTIC MULTIPLE SOCKETS WITH SIDE SOCKET OUTLETS



REFERENCE STANDARDS

CEI 23-124

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Multiple sockets



Multiple sockets with lightning protection

TECHNICAL CHARACTERISTICS

Rated current:	**16A**
Rated voltage:	**250V~**
Frequency:	**50Hz**
Protection degree:	**IP20D**
Installation temperature:	**-15°C +60°C**
Self extinguishing degree (GWT):	**750°C**
Material:	**Thermoplastic**
Colour:	**Random** [1] **Anthracite RAL 7021**

[1] *Random color is to be understood as randomly "white base - gray cover" or "gray base - white cover".*

LIGHTNING PROTECTION

Lightning protection devices are equipped with an electronic device which in case of overvoltage (> 300V ~ - Max 21J) beyond the transient time of 8/20 microseconds lowers its resistance and generates a short circuit (1.2kA discharge power).
This short circuit triggers the protection fuse, which protects when opening the load downstream. It should be noted that the device always allows power even if the indicator light is off, but in this case the lightning protection device no longer guarantees any type of protection.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Resistant	Resistant	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

DOMESTIC CABLE REELS



REFERENCE STANDARDS

EN 61242

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



TRIS 150:
- Italian standard plug



TRIS 230:
- Italian standard plug
- French/German standard plug



TRIS PLURISTANDARD:
- Italian standard plug

TECHNICAL CHARACTERISTICS

Rated current:	**10A-16A**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP20D**
Installation temperature:	**-5°C +40°C**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (contact carrier)**
Material:	**Thermoplastic**
Colour:	**Dark grey/red**

THERMAL OVERLOAD SWITCH

Thermal overload switch: a bimetal device is placed at close contact with the supply cable and protects it from excessive overheating due to the Joule effect. In case of intervention, the device opens the circuit to the sockets interrupting the supply of electricity. Reactivation is only possible manually and if temperature is below the intervention threshold.
ATTENTION: The thermal overload switch is not a switch disconnector, therefore maintenance operations must be carried out after having disconnected the circuit. The thermal overload switch does not protect the load from overcurrents (overload and short-circuit).

WARNINGS FOR THE CORRECT USE OF SCAME CABLE REELS

- Do not use them in places with danger of explosion or fire.
- During use, the cable must be laid out on the ground o floor avoiding that it is worn and damaged (eg crushing caused by the passage of heavy loads, vehicles etc.); if necessary, adequate provision must be made mechanical protection.
- After use, carefully rewind the cable on the reel.
- Periodically check the good condition of the conductor (it must not show signs of wear, crushing and cracks) and check the electrical continuity of both phase and protective conductors.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Limited resistance**	**Not resistant**	**Not resistant**	**Not resistant**	**Limited resistance**	**Resistant**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

LAMPHOLDERS, SWITCHES AND CEILING PENDELS



REFERENCE STANDARDS

EN 60238

EN 60838-1

EN 61058-1

MARKINGS AND DIRECTIVES

CE

QUALITY MARKS

VERSIONS



Pre-wired lampholders:
- For incandescent lamps (E27)



Lampholders:
- For incandescent lamps (E14-E27-E40)
- For halogen lamps



Accessories for pendel:
- Ceiling rose
- Decoration



Switches:
- Push switches
- Pull switches
- Slide in-line switches
- Foot switches

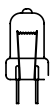
TECHNICAL CHARACTERISTICS

Rated current:	**2A-4A**
Rated voltage:	**250V~**
T marking:	**T190 - T210 - T300**
Cabling capacity of the terminals:	**0,75mm² (2A)** **0,5mm² ÷ 2,5mm² (4A)**
Self extinguishing degree (GWT):	**750°C**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**White, Black, Gold**

TYPE OF COUPLING



E14
E27
E40



G4
GZ4
GX5,3
GY6,35



R7s



Rx7s
Rx7s-24
Rx7s-26
Rx7s-32

COMPONENTS FOR TELEPHONE SYSTEMS AND DATA TRANSMISSION



VERSIONS



TEL/DATA plugs



TEL sockets



TEL/DATA couplers/multipliers



TEL cords



Plug pincers



Boxes and covers

REFERENCE STANDARDS

ANSI/TIA/EIA-568

ISO/IEC 11801

EN 50173

EN 60670-1

MARKINGS AND DIRECTIVES

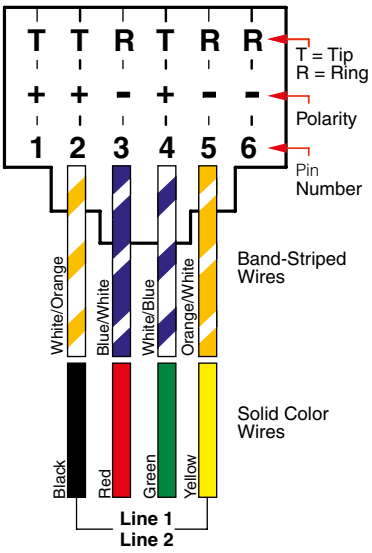
CE

QUALITY MARKS

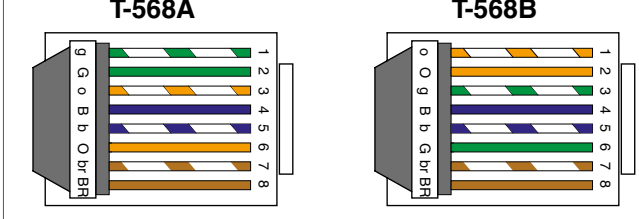
TECHNICAL CHARACTERISTICS

Installation temperature:	-15°C +60°C
Material:	Thermoplastic
Colour:	White Ivory Black Transparent

RJ11 SCHEME



RJ45 SCHEME



COMPONENTS FOR TV AND SAT SYTEMS



REFERENCE STANDARDS

CEI EN 50083

IEC 60169

VERSIONS



TV plugs



TV connectors



TV couplers



TV splitters



TV extension cords



Type F SAT connectors

TECHNICAL CHARACTERISTICS

Diameter:	**9,5mm**
Utilization frequency:	**≤ 862 Mhz - ≤ 2400 Mhz**
Impendance:	**75Ω**

CONTROL DEVICES



REFERENCE STANDARDS

EN 60669-1

EN 61009

EN 61543

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS

Single pole and double pole switches

Single pole and double pole push buttons

Two way swtiches



Intermediate switches



MCB
RCBO

TECHNICAL CHARACTERISTICS

Rated current:	6A-10A-16A-16AX[1]-20AX[1]
Rated voltage:	250V~
Frequency:	50/60Hz
Protection degree:	IP20D
Installation temperature:	-15°C +60°C
Cabling capacity of the terminals:	0,75mm² ÷ 1,5mm² (6A) 1mm² ÷ 2,5mm² (10A) 1,5mm² ÷ 4mm² (16A) 2,5mm² ÷ 6mm² (20A)
Self extinguishing degree (GWT):	650°C (body) 850°C (contact carrier)
Material:	Thermoplastic (Halogen Free)
Colour:	Anthracite Pantone 432 Grey RAL 7035 Red RAL 3001

[1] *Devices suitable for controlling fluorescent lamps with power factor correction.*



Blank cover, cable outlet, fuse holder

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

DOMESTIC SOCKET OUTLETS



REFERENCE STANDARDS

CEI 23-50
IEC 60884-1
SANS 164-1
BS 1363
BS 546
NF C61-303

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Italian standard socket outlets
- P11
- P17/11
- P30
- P40



European standards socket outlets
- German
- French
- English
- Swiss



International standards socket outlets
- Argentinian
- Neozelander
- South African
- Indian
- Brazilian

TECHNICAL CHARACTERISTICS

Rated current:	**10A-13A-15A-16A-20A**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP20D**
Installation temperature:	**-15°C +60°C**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (contact carrier)**
Material:	**Thermoplastic (Halogen Free)**
Cabling capacity of the terminals:	**1mm² ÷ 2,5mm² (10A)** **1,5mm² ÷ 2,5mm² (13A-15A)** **1,5mm² ÷ 4mm² (16A)** **2,5mm² ÷ 6mm² (20A)**
Colour:	**Anthracite Pantone 432** **Grey RAL 7035** **Red RAL 3001**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

TV/SAT/DATA OUTLETS



REFERENCE STANDARDS

EN 50083

EN 50173

IEC 60169

ANSI/TIA/EIA-568

MARKINGS AND DIRECTIVES

CE UK CA

QUALITY MARKS

EAC

VERSIONS



TV male socket outlet
- Direct/Derived
- Terminal 75Ω
- Attenuation10dB



Coax/sat/cat. F socket outlet
- Direct



Telephone socket outlet (RJ11)



Data socket outlet (RJ45)

TECHNICAL CHARACTERISTICS

Utilization frequency:	**5÷862 Mhz (TV) 950÷2400 Mhz (SAT)**
Protection degree:	**IP20D**
TV socket outlets diameter:	**9,5mm**
Installation temperature:	**-15°C +60°C**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Anthracite Pantone 432 Grey RAL 7035**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

CONTROL DEVICES



REFERENCE STANDARDS

EN 60669-1

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



One way switches single pole and double pole
- flush mounting
- surface mounting



Two way switches single pole
- flush mounting
- surface mounting



Intermediate switch
- flush mounting
- surface mounting



Push button single pole
- flush mounting
- surface mounting



Spur units
- flush mounting

TECHNICAL CHARACTERISTICS

Rated current:	**10A-10AX[1]-20A-20AX[1]**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP66**
Cable entries:	**Blank side**
Installation temperature:	**-20°C +60°C**
Cabling capacity of the terminals:	**1mm² ÷ 2,5mm² (10A)** **1,5mm² ÷ 4mm² (16A)**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (contact carrier)**
Impact resistance (IK degree):	**IK07**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL 7035**
LED colour:	**Orange**

[1] *Devices suitable for controlling fluorescent lamps with power factor correction.*

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Limited resistance**	**Limited resistance**	**Resistant**	**Not resistant**	**Not resistant**	**Resistant**	**Limited resistance**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

WATERTIGHT SOCKET OUTLETS



VERSIONS



Modular socket outlets



BS socket outlets

REFERENCE STANDARDS

CEI 23-50
IEC 60884-1
IRAM 2071
SANS 164-1
BS 1363
BS 546
NF C61-303

MARKINGS AND DIRECTIVES

CE UKCA

QUALITY MARKS

EAC IRAM

TECHNICAL CHARACTERISTICS

Rated current:	**10A-13A-15A-16A**
Rated voltage:	**250V~**
Frequency:	**50/60Hz**
Protection degree:	**IP66**
Cable entries:	**Blank side**
Installation temperature:	**-20°C +60°C**
Cabling capacity of the terminals:	**1mm² ÷ 2,5mm² (10A)** **1,5mm² ÷ 2,5mm² (13A-15A)** **1,5mm² ÷ 4mm² (16A)**
Self extinguishing degree (GWT):	**650°C (body)** **850°C (contact carrier)**
Impact resistance (IK degree):	**IK07**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL 7035 (base)** **Smoke-tinted transparent (cover)**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

ENCLOSURES AND FLANGE ADAPTORS



REFERENCE STANDARDS

EN 60670-1

EN 60670-22

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



1 gang flush mounting cover



2 gangs flush mounting cover



2 gang flush mounting cover with tilting frame



Flush mounting boxes



Surface mounting boxes

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66**[1)]
Cable entries:	**Blank side**
Installation temperature:	**-20°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Material:	**Thermoplastic (Halogen Free)**
Impact resistance (IK degree):	**IK07**
Colour:	**Grey RAL 7035 (base) Smoke-tinted transparent (cover)**

[1)] *IP55 for 3-module flush-mounting box adapter flange.*



Top pole mounting box
Side-by-side pole mounting box



3 gangs flush-mounting box adaptor IP55



Flange adaptor 70x87mm

Enclosures accept EVOLUTION Series modules.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Resistant	Not resistant	Not resistant	Resistant	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

MODULAR ENCLOSURES FOR DOMESTIC SWITCHES AND SOCKET OUTLETS





REFERENCE STANDARDS

EN 60670-1

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS



Surface mounting enclosure - IP40



Surface mounting enclosure - IP55



Flush mounting enclosure - IP55

Enclosures accept EVOLUTION Series modules.

TECHNICAL CHARACTERISTICS

Protection degree:	**IP40-IP55**
Installation temperature:	**-5°C +60°C**
Self extinguishing degree (GWT):	**650°C**
Impact resistance (IK degree):	**IK06**
Material:	**Thermoplastic (Halogen Free)**
Colour:	**Grey RAL 7035 Anthracite RAL 7021 (flush mounting version)**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	**Limited resistance**	**Resistant**	**Resistant**	**Resistant**	**Not resistant**	**Not resistant**	**Not resistant**	**Limited resistance**	**Resistant**	**Resistant**

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

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E-MOBILITY CATALOGUE

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