

METECON
heavy duty connectors

HEAVY DUTY CONNECTORS INSERTS

INSERTS	A Series	E Series	HSB Series	K Series	EE Series	DD Series
Number of Contacts	2,3,4,1,16, 32P+E	6,10,16,24,32, 48P+E	6, 12P+E	4/0, 4/2, 4/8	10P+E	40, 64P+E
Current	10A	16A	35A	80A, 80/16A	16A	10A
Voltage	250 V	500 V	400/690 V		500 V	250 V
Operating Voltage	4 kV	6 kV			4 kV	6 kV
Pollution Degree	3			3	3	3
Insulation Resistance	≥ 10 ¹⁰ Ω					
Material	PC %10 GF		PBT %30 GF	PC		
Temperature Range	-40 °C / +120 °C					
Flammability	V0					
Mating Cycles	≥500					

CONTACTS

Material	Brass
Silver Thickness	3 µm Ag
Contact Resistance	≤ 1 m Ω

SCREW CONNECTION

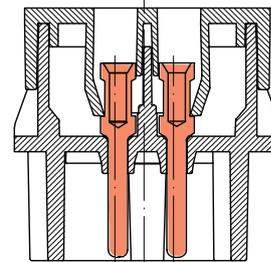
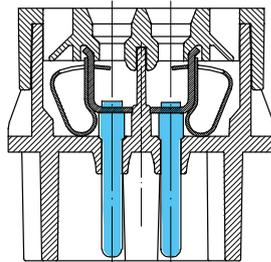
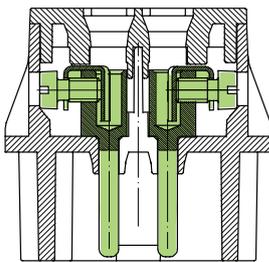
Cable Section	1.0 - 2.5 mm ²	6 mm ²	1.5 - 16 mm ²					
AWG	18 - 14	10	1,5	2,5	4	6	10	16
Tightening Torque	0.5 Nm	1.2 Nm	1,2	2	3	3	3	3
Stripping Length	7 mm							

SPRING CONNECTION

Cable Section	0.14 - 2.5 mm ²
Awg	26 - 14
Stripping Length	9... 11

CRIMP CONNECTION

Cable Section	0.14 - 4.0 mm ²	0.14 - 4.0 mm ²	0.14 - 425 mm ²
Awg	20 - 12	20 - 12	20 - 14
Stripping Length	7.5	7.5	7.5



METAL HOODS - HOUSINGS

Material	Aluminium
Surface	Powder - Coated
Gaskets	NBR
Temperature Range	-40 °C / +125 °C
Protection Degree (Acc. to DIN EN 60529 for coupled connectors)	IP 65

PLASTIC HOODS - HOUSINGS

Material	PC
Gaskets	NBR
Temperature Range	-40 °C / +125 °C
Protection Degree (Acc. to DIN EN 60529 for coupled connectors)	IP 65



INSERTS
p.10



HOODS
HOUSINGS
p.23

GENERAL CHARACTERISTICS

Multipole connectors for industrial purposes are used in electric and electronic machinery, robots, electric panels, control equipments and wherever connections are required for power, control and signal circuits. The connectors are designed for heavy duty industrial applications and are suitable for use with alternate or direct current. They facilitate production, installation and maintenance of sectional electric parts in complex machinery in conformity with European and US Standards.

STANDARDS

EN 61984 : Connectors safety requirements and tests

VDE 0627 : Connectors

UL 1977 : Component connectors for use in data, signal, control and power applications

ME connectors are in conformity with both European / International and American systems. This permits using them in wide range of applications worldwide.

Products comply with Low Voltage Directive 2006 / 95 / EC.

INSERTS

The inserts are made of self extinguishing thermoplastic resin according to UL 94 -V0, normally used in ambient temperature range of -40°C ... +125°C. The inserts are available in screw, crimp and spring type. Contacts are made of silver plated brass. All inserts are numbered by laser printing after injection moulding. They are:

- Suitable for use with alternate or direct current
- Leading protective ground
- Polarized for correct coupling
- Interchangeable male and female inserts in hoods and housings
- Captive screws
- Universal and can be used with all types of hoods and housings

HOOD & HOUSING

A large variety of Hood and Housings are available for specific industrial applications. The principal parts are made in die-cast aluminium alloy coated with electro-static powder paint. They are resistant to impact and strong mechanical stress.

Coupling stability and protection against accidental openings are assured by a single or double locking system comprised of monobloc metal latch made of galvanized steel.

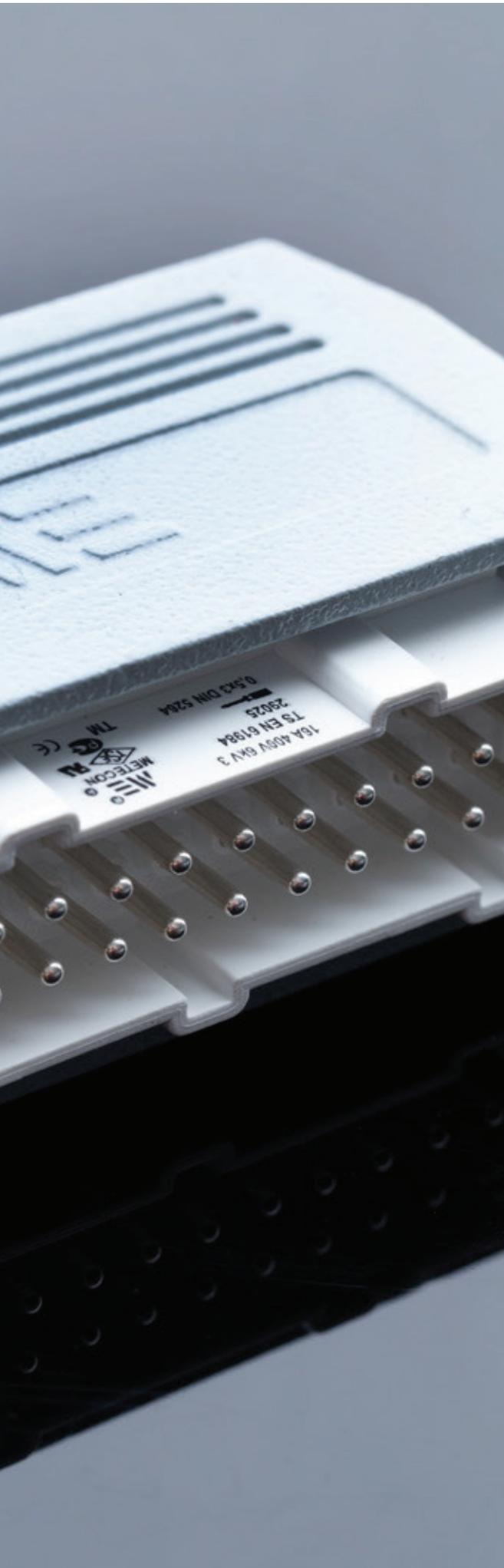
Sealing is assured by special gaskets that protect the inserts inside the hood and housings against dust, water and other aggressive agents.

- Innovative design
- Degree of protection IP65 when connected
- Electrical connection with protective ground
- High mechanical strength and vibration resistance ensured by locking levers

DESIGN AND TESTING

The connectors have been designed and tested to meet the international electrical and environmental standards.





TECHNICAL FEATURES

- 1) Wide range of accessories
- 2) Cable inlet in various PG, METRIC and NPT thread
- 3) Hoods and housings die casted from aluminium alloy and self extinguishing thermoplastic inserts
- 4) Aluminium hoods and housings are powder coated with high resistance to mechanical stress and external agents
- 5) Inserts are made of self-extinguishing thermoplastic material reinforced with glass fiber within an operation temperature range of -40 °C ... +125 °C
- 6) Inserts are designed by assymmetric guide rails for preventing incorrect coupling
- 7) Special seal gaskets provide an IP65 degree of protection for coupled connectors
- 8) Captive screws with anti-loosening flexible washers
- 9) Contact positions are molded and laser printed on the inserts
- 10) Contacts are coated by silver with connection to the conductors made via captive screws
- 11) Earth terminal with wide contact surface
- 12) Nickel plated screws and wire protector are made of brass

ELECTRICAL DATA

Overvoltage Category:

Overvoltage category is dependent on the mains voltage and the location at which the equipment is installed. It describes the maximum overvoltage resistance of a device in the event of a power supply system fault (i.e.in the event of a lightning strike).

The overvoltage category effects the dimensioning of components in that it determines the clearance air gap.

Pursuant to the relative standards there are 4 overvoltage categories:

Category I: Equipment for connection to circuits in which measurements are taken to limit transient overvoltage to an appropriately low level (i.e.protected electrical circuits).

Category II: Energy consuming equipment to be supplied from the fixed installation (i.e. appliances and household equipment with similar loads)

Category III: Equipment in fixed installations and for cases where the reliability and the availability of the equipment is subject to special requirements (i.e. equipment for industrial use with permanent connection to the fixed installation)

Category IV: Equipment for use at the origin of the installation (i.e. electricity meters). Overvoltage category III include equipment and components for industrial use like METECON MULTIPOLE CONNECTORS.

Pollution Degree:

The dimensions of operating equipment is dependent on environmental conditions. Any pollution or contamination may increase conductivity together with moisture, may affect isolation.

The pollution degree influences the design of the components in terms of creepage distance.

Pollution degree 1: In air conditioned or clean, dry rooms such as computer and measuring instrument rooms. No pollution or only dry, non-conductive pollution occurs.

Pollution degree 2: In residential areas and other business premises, precision engineering workshop, laboratories, testing bays, rooms for medical purposes. Only non-conductive pollution occurs except that occasionally a temporary conductivity caused by condensation is to be accepted.

Pollution degree 3: In industrial, commercial and agricultural premises, unheated storage premises, workshops or boiler rooms, machinery and for industrial automation. Conductive pollution occurs or dry non-conductive pollution occurs which becomes conductive due to condensation which is to be expected.

Pollution degree 4: In outdoor or exterior areas such as equipment mounted on the roofs of locomotives or tramcars, elevators and machinery operating outdoor for building. The pollution generates persistent conductivity caused by conductive dust or by rain or snow. METECON multipole connectors are designed as standard for pollution degree 3 and 2.



Hood

Aluminium hoods:

- Narrow and high construction hoods
- Three different locking mechanisms
- IP65
- Cable entry options:
 - └ PG
 - └ Metric
 - └ NPT

Male Insert and Contacts

- Silver plated
- Screw, spring and crimp connection
- Numbering with laser marking for right connection

Female Insert and Contacts

- Silver plated
- Screw, spring and crimp connection
- Numbering with laser marking for right connection

Bulkhead Mounting Housing

Aluminium hoods:

- Three different locking mechanisms
- NBR Gasket
- IP65

A - SERIES



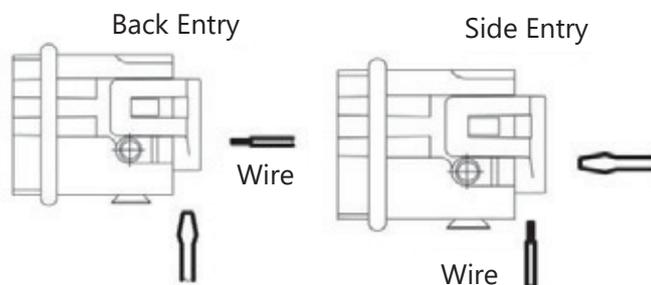
10A / 250 V (2P+E)			Size 3A
Product Code	Type	Terminal	Box Qty.
29007	Male Insert (Side Entry Wiring)	Screw	200
29006	Female Insert (Side Entry Wiring)	Screw	200
29005	Male Insert (Back Entry Wiring)	Screw	200
29004	Female Insert (Back Entry Wiring)	Screw	200



10A / 250 V (3P+E)			Size 3A
Product Code	Type	Terminal	Box Qty.
29009	Male Insert (Side Entry Wiring)	Screw	200
29008	Female Insert (Side Entry Wiring)	Screw	200
29003	Male Insert (Back Entry Wiring)	Screw	200
29002	Female Insert (Back Entry Wiring)	Screw	200



10A / 250 V (4P+E)			Size 3A
Product Code	Type	Terminal	Box Qty.
29011	Male Insert (Side Entry Wiring)	Screw	200
29010	Female Insert (Side Entry Wiring)	Screw	200
29016	Male Insert (Back Entry Wiring)	Screw	200
29012	Female Insert (Back Entry Wiring)	Screw	200



A - SERIES



16A / 250 V (10P+E)			Size 10A
Product Code	Type	Terminal	Box Qty.
29421	Male Insert	Screw	80
29420	Female Insert	Screw	80



16A / 250 V (16P+E)			Size 16A
Product Code	Type	Terminal	Box Qty.
29423	Male Insert (1-16)	Screw	60
29422	Female Insert (1-16)	Screw	60



16A / 250 V (24P+E)			Size 24A
Product Code	Type	Terminal	Box Qty.
29425	Male Insert (1-24)	Screw	40
29424	Female Insert (1-24)	Screw	40



16A / 250 V (32P+E)			Size 32A
Product Code	Type	Terminal	Box Qty.
29423	Male Insert (1-16)	Screw	60
29422	Female Insert (1-16)	Screw	60
29427	Male Insert (17-32)	Screw	60
29426	Female Insert (17-32)	Screw	60



D - SERIES



CE EAC

10A / 250 V (7P+E)			Size 3A
Product Code	Type	Terminal	Box Qty.
290113007	Male Insert (1-7)	Crimp	
290103007	Female Insert (1-7)	Crimp	



CE EAC

10A / 250 V (15P+E)			Size 10A
Product Code	Type	Terminal	Box Qty.
294213015	Male Insert (1-15)	Crimp	
294203015	Female Insert (1-15)	Crimp	



CE EAC

10A / 250 V (25P+E)			Size 16A
Product Code	Type	Terminal	Box Qty.
294233025	Male Insert (1-25)	Crimp	
294223025	Female Insert (1-25)	Crimp	

CE EAC

10A / 250 V (40P+E)			Size 16 - 32B
Product Code	Type	Terminal	Box Qty.
290233040	Male Insert (1-40)	Crimp	30
290223040	Female Insert (1-40)	Crimp	30

CE EAC

10A / 250 V (64P+E)			Size 24 - 48B
Product Code	Type	Terminal	Box Qty.
290243064	Male Insert (1-64)	Crimp	25
290253064	Female Insert (1-64)	Crimp	25



DD - SERIES



CE EAC

10A / 250 V (24P+E)

Size 6B

Product Code	Type	Terminal	Box Qty.
291213024	Male Insert (1-24)	Crimp	
291203024	Female Insert (1-24)	Crimp	



CE EAC

10A / 250 V (42P+E)

Size 10B

Product Code	Type	Terminal	Box Qty.
290213042	Male Insert (1-42)	Crimp	
290203042	Female Insert (1-42)	Crimp	



CE EAC

10A / 250 V (72P+E)

Size 16B

Product Code	Type	Terminal	Box Qty.
290233072	Male Insert (1-72)	Crimp	
290223072	Female Insert (1-72)	Crimp	



CE EAC

10A / 250 V (108P+E)

Size 24B

Product Code	Type	Terminal	Box Qty.
290253108	Male Insert (1-108)	Crimp	
290243108	Female Insert (1-108)	Crimp	



E - SERIES



16A / 500 V (6P+E)			Size 6B
Product Code	Type	Terminal	Box Qty.
29121	Male Insert	Screw	50
29120	Female Insert	Screw	50
291212006	Male Insert	Spring	50
291202006	Female Insert	Spring	50
291213006	Male Insert	Crimp	50
291203006	Female Insert	Crimp	50



16A / 500 V (10P+E)			Size 10B
Product Code	Type	Terminal	Box Qty.
29021	Male Insert	Screw	50
29020	Female Insert	Screw	50
290212010	Male Insert	Spring	50
290202010	Female Insert	Spring	50
290213010	Male Insert	Crimp	50
290203010	Female Insert	Crimp	50



E - SERIES

16A / 500 V (16P+E)			Size 16B
Product Code	Type	Terminal	Box Qty.
29023	Male Insert	Screw	30
29022	Female Insert	Screw	30
290232016	Male Insert	Spring	30
290222016	Female Insert	Spring	30
290233016	Male Insert	Crimp	30
290223016	Female Insert	Crimp	30



16A / 500 V (24P+E)			Size 24B
Product Code	Type	Terminal	Box Qty.
29025	Male Insert	Screw	25
29024	Female Insert	Screw	25
290252024	Male Insert	Spring	25
290242024	Female Insert	Spring	25
290253024	Male Insert	Crimp	25
290243024	Female Insert	Crimp	25



E - SERIES



16A / 500 V (32P+E)			Size 32B
Product Code	Type	Terminal	Box Qty.
29023	Male Insert (1-16)	Screw	30
29022	Female Insert (1-16)	Screw	30
29027	Male Insert (17-32)	Screw	30
29026	Female Insert (17-32)	Screw	30
290232016	Male Insert (1-16)	Spring	30
290222016	Female Insert (1-16)	Spring	30
290272032	Male Insert (17-32)	Spring	30
290262032	Female Insert (17-32)	Spring	30
290233016	Male Insert (1-16)	Crimp	30
290223016	Female Insert (1-16)	Crimp	30
290273032	Male Insert (17-32)	Crimp	30
290263032	Female Insert (17-32)	Crimp	30



16A / 500 V (48P+E)			Size 48B
Product Code	Type	Terminal	Box Qty.
29025	Male Insert (1-24)	Screw	25
29024	Female Insert (1-24)	Screw	25
29029	Male Insert (25-48)	Screw	25
29028	Female Insert (25-48)	Screw	25
290252024	Male Insert (1-24)	Spring	25
290242024	Female Insert (1-24)	Spring	25
290282048	Male Insert (25-48)	Spring	25
290292048	Female Insert (25-48)	Spring	25
290253024	Male Insert (1-24)	Crimp	25
290243024	Female Insert (1-24)	Crimp	25
290293048	Male Insert (25-48)	Crimp	25
290283048	Female Insert (25-48)	Crimp	25



EE - SERIES

CE

16A / 500 V (10P+E)			Size 6B
Product Code	Type	Terminal	Box Qty.
291213010	Male Insert	Crimp	30
291203010	Female Insert	Crimp	30



CE

16A / 500 V (18P+E)			Size 10B
Product Code	Type	Terminal	Box Qty.
290213018	Male Insert (1-18)	Crimp	
290203018	Female Insert (1-18)	Crimp	



CE

16A / 500 V (32P+E)			Size 16B
Product Code	Type	Terminal	Box Qty.
290233032	Male Insert (1-32)	Crimp	
290223032	Female Insert (1-32)	Crimp	



CE

16A / 500 V (46P+E)			Size 24B
Product Code	Type	Terminal	Box Qty.
290253046	Male Insert (1-46)	Crimp	
290243046	Female Insert (1-46)	Crimp	

HSB - SERIES



35A / 400-690 V (6P+E)			Size 16B
Product Code	Type	Terminal	Box Qty.
29125	Male Insert (1-6)	Screw	30
29124	Female Insert (1-6)	Screw	30



29125



29124



35A / 400-690 V (12P+E)			Size 32B
Product Code	Type	Terminal	Box Qty.
29125	Male Insert (1-6)	Screw	30
29124	Female Insert (1-6)	Screw	30
29129	Male Insert (7-12)	Screw	30
29128	Female Insert (7-12)	Screw	30



29125



29124



29125-29129



29124-29128



K - SERIES



80A 400-690 V (4P+E)			Size 16B
Product Code	Type	Terminal	Box Qty.
29115	Male Insert	Screw	30
29114	Female Insert	Screw	30



80A / 16A 400-690 V (4P+2P+E)			(Signal & Power combination) Size 16B
Product Code	Type	Terminal	Box Qty.
29117	Male Insert	Screw	30
29116	Female Insert	Screw	30



80A / 16A 400-690 V (4P+8P+E)			(Signal & Power combination) Size 24B
Product Code	Type	Terminal	Box Qty.
29113	Male Insert	Screw	25
29112	Female Insert	Screw	25



40A/10A 250-690V (12P+2P+E)			(Signal & Power combination) Size 16B
Product Code	Type	Terminal	
29101301202	Male Insert	Crimp	
29100301202	Female Insert	Crimp	



CODING PINS



1102660

- Coding Pin
- 5x12 m



1109660

- Guide Pin
- 5x12 m



1109760

- Guide Bushing
- 5x12 m



1109860

- Single Coding Pin
- 5x12 m

16A CRIMP CONTACTS

SILVER PLATED (FOR E SERIES)



MALE CRIMP CONTACTS

Product Code	Cable Section
14106164	0,14 mm ² - 0,37 mm ²
14106264	0,50 mm ²
14106364	0,75 mm ²
14106464	1,00 mm ²
14106564	1,50 mm ²
14106664	2,50 mm ²
14106764	3,00 mm ²
14106864	4,00 mm ²



FEMALE CRIMP CONTACTS

Product Code	Cable Section
14105164	0,14 mm ² - 0,37 mm ²
14105264	0,50 mm ²
14105364	0,75 mm ²
14105464	1,00 mm ²
14105564	1,50 mm ²
14105664	2,50 mm ²
14105764	3,00 mm ²
14105864	4,00 mm ²

10A CRIMP CONTACTS

SILVER PLATED (FOR D SERIES)



MALE CRIMP CONTACTS

Product Code	Cable Section
14104164	0,14 mm ² - 0,37 mm ²
14104264	0,50 mm ²
14104364	0,75 mm ²
14104464	1,00 mm ²
14104564	1,50 mm ²
14104664	2,50 mm ²



FEMALE CRIMP CONTACTS

Product Code	Cable Section
14103164	0,14 mm ² - 0,37 mm ²
14103264	0,50 mm ²
14103364	0,75 mm ²
14103464	1,00 mm ²
14103564	1,50 mm ²
14103664	2,50 mm ²



29940

- Crimping Tool without Locator
- 0,14 to 4,0 mm



29942

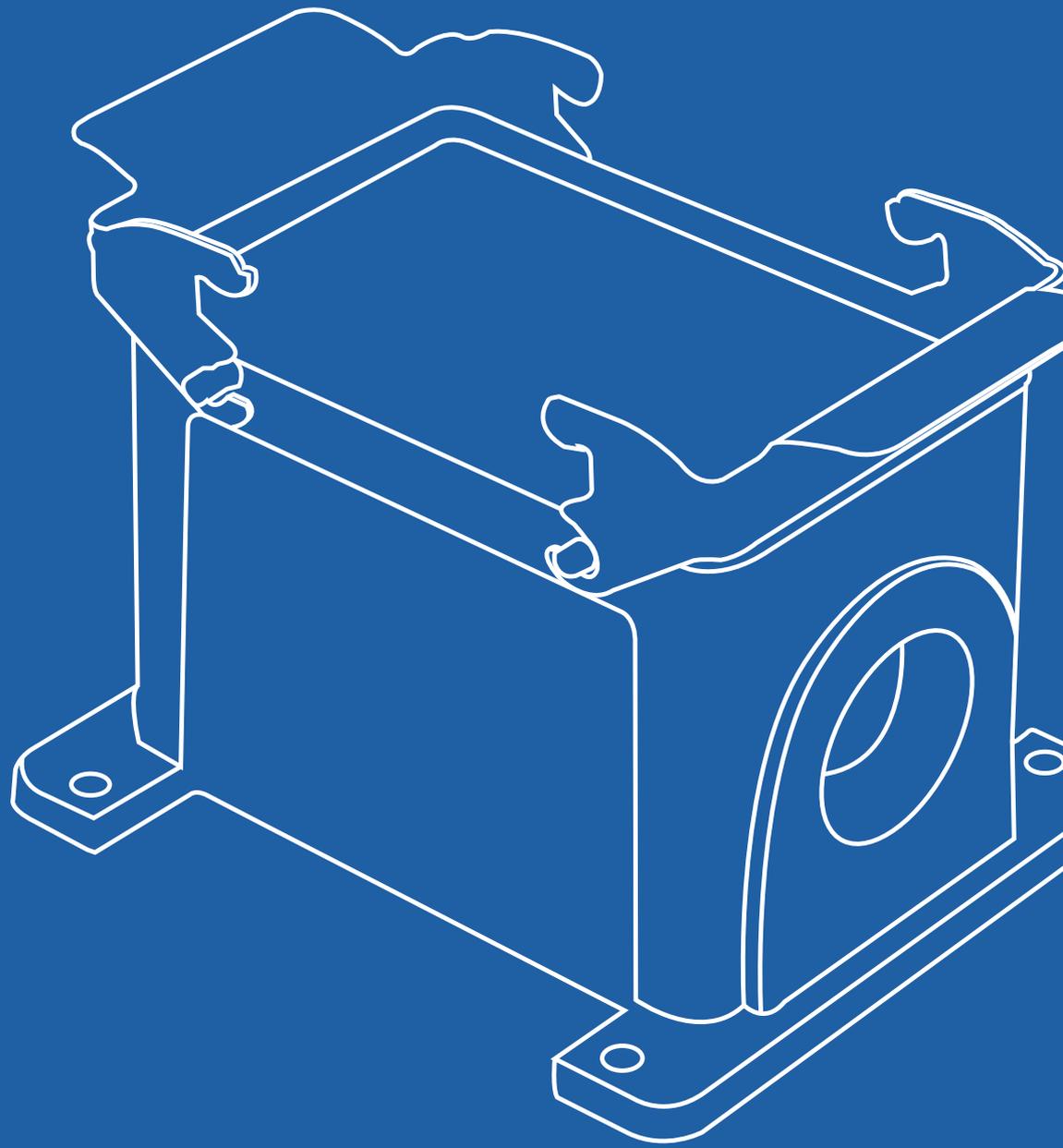
- Removal Tool
- 10A Crimp Contacts



29941

- Removal Tool
- 16A Crimp Contacts





METECON
heavy duty connectors

***HEAVY DUTY
CONNECTORS
HOODS & HOUSINGS***

SIZE 3A



PLASTIC HOODS & HOUSINGS - SINGLE LEVER - PG11				Size 3A
Product Code	Description	Lever	Entry Type	Box Qty.
29080	Hood For Male Insert		Top	100
29079	Hood For Female Insert	●	Top	100
29075	Housing With Lever			100
29077	Housing (Angled)	●		100
29640	Cover For Female Insert			250
29642	Cover For Male Insert	●		125



ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG11				Size 3A
Product Code	Description	Lever	Entry Type	Box Qty.
29017	Hood For Male Insert		Top	100
29019	Hood For Female Insert (Angled)		Side	100
29015S	Hood For Female Insert	●	Top	100
29013S	Housing For Female Insert	●		100
29014S	Housing For Female Insert (Angled)	●		100
29018S	Housing For Female Insert (Angled - Double Entry)	●		100
29640	Cover For Female Insert			250
29642	Cover For Male Insert	●		125



Thread	Colour	Material	Diameter	Thread	Colour	Material	Diameter
-0405		Aluminium Grey	PG 13,5	-0404		Aluminium Black	PG 13,5
-2205		Aluminium Grey	M 20	-2204		Aluminium Black	M 20
-3105		Aluminium Grey	N 3/8	-3104		Aluminium Black	N 3/8
-0304		Aluminium Black	PG 11				

For different colour and / or different threads please prefix the standart product code from above table. For the products ending with "S" please add it at the end of newly created code. (E.g.: 29015-0405S)

ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER Size 3A - HIGH CONSTRUCTION

Product Code	Description	Lever	Entry Type	Box Qty.
29071	Hood For Male Insert - (h:60 mm)		Top	100
290712	Hood For Female Insert - (h:60 mm)		Top	100
29070S	Hood For Female Insert - (h:57mm) - Metal Latch	●	Top	100
290702S	Housing For Female Insert - (h:60mm) - Metal Latch	●	Top	100
29070	Housing For Female Insert - (h:57mm) - Plastic Latch	●	Top	100
290702	Housing For Female Insert - (h:60mm) - Plastic Latch	●	Top	100
29640	Cover For Female Insert			250
29642	Cover For Male Insert	●		125

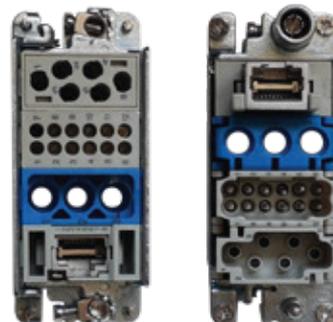


Thread	Colour	Material	Diameter	Thread	Colour	Material	Diameter
-0305		Aluminium Grey	PG 11	-0304		Aluminium Black	PG 11
-405		Aluminium Grey	PG 13,5	-0404		Aluminium Black	PG 13,5
-2205		Aluminium Grey	M 20	-2204		Aluminium Black	M 20
-2305		Aluminium Grey	M 25	-2304		Aluminium Black	M 25

For different colour and / or different threads please prefix the standart product code from above table. For the products ending with "S" please add it at the end of newly created code. (E.g.: 29015-0405S)

MODULAR METAL FRAME Size 16B

Product Code	Description
29250160361	Modular Frame For 4 Modules A-D
29250160371	Modular Frame For 4 Modules a-d



SIZE 10A



ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG16					Size 10A
Product Code	Description	Lever	Gasket	Entry Type	Box Qty.
293532	Hood		●	Side	40
293542	Hood		●	Top	30
293522	Housing (Surface Mounting - Double Entry)	●		Side	20
293512	Housing (Surface Mounting)	●		Side	20
293502	Housing (Bulkhead Mounting)	●			20



SIZE 16A



ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG16					Size 16A
Product Code	Description	Lever	Gasket	Entry Type	Box Qty.
293632	Hood		●	Side	30
293642	Hood		●	Top	25
293602	Housing (Bulkhead Mounting)	●			30
293612	Housing (Surface Mounting)	●		Side	18
293622	Housing (Surface Mounting - Double Entry)	●		Side	18



SIZE 24A



ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG21					Size 24A
Product Code	Description	Lever	Gasket	Entry Type	Box Qty.
293732	Hood		●	Side	40
293702	Housing (Surface Mounting)	●			30



HIGH CONSTRUCTION HOODS CODE SYSTEM

First 5 digit	6th digit	7th&8th digit	9th&10th digit
Main Code	A,B,C,D Surfaces	Cable Entry Size	Colour

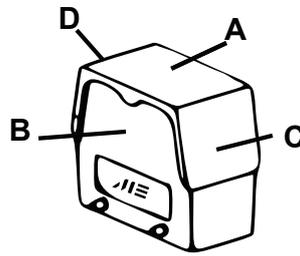
Hoods without Lever		
Hoods Type	Main Code Single Lever	Main Code Double Lever
68	29172	
108	29357	29174
168	29367	29176
248	29377	29178

A Side	0
C Side	2
B Side	4
AA Side	1
BB Side	5
CC Side	3

PG 11	03
PG 13,5	04
PG 16	05
PG 21	06
PG 29	07
PG 36	08
PG 42	09
PG 48	10
M 12	20
M 16	21
M 20	22
M 25	23
M 32	24
M 40	25
M 50	26
M 63	27
N 1	28
N 3/4	29
N 1/2	30

04	Black
05	Grey

Hoods with Lever		
Hoods Type	Main Code Single Lever	Main Code Double Lever
68	29173S	
108	29358S	29175S
168	29368S	29177S
248	29378S	29179S



Example: **29178 2 07 05**

(24B H80 Hood double lever PG29 Side cable entry)



SIZE 32A



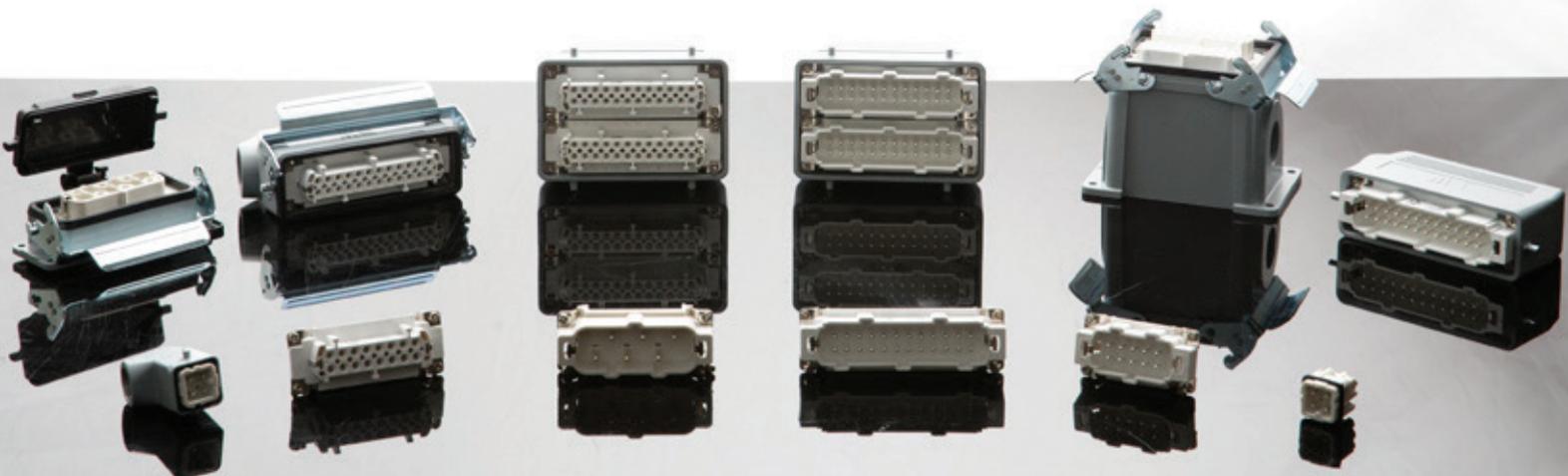
ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG16 Size 32A

Product Code	Description	Lever/Gasket	Entry Type	Box Qty.
290602	Hood		Top	20
290612	Hood		Side	20
290462	Housing (Bulkhead Mounting)	●		40
290812	Housing (Surface Mounting)	●	Side	40
290822	Housing (Surface Mounting - Double Entry)	●	Side	30



Thread	Colour	Material	Diameter	Thread	Colour	Material	Diameter
-2405		Aluminium Grey	M 32	-0704		Aluminium Black	PG 29
-2505		Aluminium Grey	M 40	-2404		Aluminium Black	M 32
-2805		Aluminium Grey	N 1	-2504		Aluminium Black	M 40
-2905		Aluminium Grey	N 3/4	-2804		Aluminium Black	N 1
-0604		Aluminium Black	PG 21	-2904		Aluminium Black	N 3/4

For different colour and / or different threads please prefix the standard product code from above table. (E.g.: 290612-2405)



SIZE 6B



ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG16				Size 6B
Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29135	Hood		Top	20
29131	Hood		Side	20
29140S	Hood	●	Top	10
29132S	Hood	●	Side	10
29130S	Housing (Bulkhead Mounting)	●		20
29133S	Housing (Surface Mounting)	●		10
29134S	Housing (Surface Mounting - Double Entry)	●		10
29400S	Housing (Bulkhead Mounting With Cover)	●		20
29401S	Housing (Surface Mounting With Cover)	●		10
29402S	Housing (Surface Mounting With Cover - Double Entry)	●		10
29172	Hood - (h:72 mm)			
29173S	Hood - (h:72 mm)	●		
29644	Cover For Housing			100
29646S	Cover For Hood	●		50



Thread	Colour	Material	Diameter	Thread	Colour	Material	Diameter
-0405		Aluminium Grey	PG 13,5	-0404		Aluminium Black	PG 13,5
-0505		Aluminium Grey	PG 16	-0504		Aluminium Black	PG 16
-2205		Aluminium Grey	M 20	-2204		Aluminium Black	M 20
-2305		Aluminium Grey	M 25	-2304		Aluminium Black	M 25
-3005		Aluminium Grey	N 1/2	-3004		Aluminium Black	N 1/2

For different colour and / or different threads please prefix the standart product code from above table. For the products ending with "S" please add it at the end of newly created code. (E.g.: 29133-0405S)

* Please contact us for cable entry and colour options.

ALUMINIUM HOODS & HOUSINGS - DOUBLE LEVER - PG16 Size 10B

Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29145	Hood		Top	15
29041	Hood		Side	15
29150S	Hood	●	Top	10
29049S	Hood	●	Side	10
29040S	Housing (Bulkhead Mounting)	●		15
29054S	Housing (Surface Mounting)	●		10
29055S	Housing (Surface Mounting - Double Entry)	●		10
29174	Hood (h:70mm)*			10
29175S	Hood (h:70mm)*	●		10
29650	Cover for Housing			75
29653S	Cover for Housing with Latch	●		30
29950	Set Cable Gland PG16			

ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG16 Size 10B

Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29354	Hood		Top	15
29353	Hood		Side	15
29356S	Hood	●	Top	10
29355S	Hood	●	Side	10
29350S	Housing (Bulkhead Mounting)	●		15
29351S	Housing (Surface Mounting)	●		10
29352S	Housing (Surface Mounting - Double Entry)	●		10
29357	Hood (h:70mm)*			10
29358S	Hood (h:70mm)*	●		10
29405S	Housing (Bulkhead Mounting With Cover)	●		15
29406S	Housing (Surface Mounting With Cover)	●		10
29407S	Housing (Surface Mounting With Cover - Double Entry)	●		10



Thread	Colour	Material	Diameter	Thread	Colour	Material	Diameter
-0405		Aluminium Grey	PG 13,5	-0404		Aluminium Black	PG 13,5
-2205		Aluminium Grey	M 20	-2204		Aluminium Black	M 20
-2305		Aluminium Grey	M 25	-2304		Aluminium Black	M 25
-3005		Aluminium Grey	N 1/2	-3004		Aluminium Black	N 1/2
-0504		Aluminium Black	PG 16				

For different colour and / or different threads please prefix the standart product code from above table.
For the products ending with "S" please add it at the end of newly created code. (E.g.: 29145-0405S)

* Please contact us for cable entry and colour options.
* h: Height of high construction hoods.

SIZE 16B



ALUMINIUM HOODS & HOUSINGS - DOUBLE LEVER - PG21 Size 16B

Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29155	Hood		Top	12
29043	Hood		Side	12
29160S	Hood	●	Top	10
29050S	Hood	●	Side	10
29042S	Housing (Bulkhead Mounting)	●		12
29056S	Housing (Surface Mounting)	●		10
29057S	Housing (Surface Mounting - Double Entry)	●		10
29176	Hood (h:80mm)*			10
29177S	Hood (h:80mm)*	●		8
29651	Cover For Housing			50
29654S	Cover For Hood	●		20

ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG21 Size 16B

Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29364	Hood		Top	12
29363	Hood		Side	12
29366S	Hood	●	Top	10
29365S	Hood	●	Side	10
29360S	Housing (Bulkhead Mounting)	●		12
29361S	Housing (Surface Mounting)	●		10
29362S	Housing (Surface Mounting - Double Entry)	●		10
29367	Hood (h:80mm)*			10
29368S	Hood (h:80mm)*	●		
29410S	Housing (Bulkhead Mounting With Cover)	●		12
29411S	Housing (Surface Mounting With Cover)	●		10
29412S	Housing (Surface Mounting With Cover - Double Entry)	●		10



Thread	Colour	Material	Diameter
-2305		Aluminium Grey	M 25
-2905		Aluminium Grey	N 3/4
-0604		Aluminium Black	PG 21
-2304		Aluminium Black	M 25
-2904		Aluminium Black	N 3/4

For different colour and / or different threads please prefix the standart product code from above table.
For the products ending with "S" please add it at the end of newly created code. (E.g.: 29362-2305S)

* Please contact us for cable entry and colour options.
* h: Height of high construction hoods.

ALUMINIUM HOODS & HOUSINGS - DOUBLE LEVER - PG21 Size 24B

Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29165	Hood		Top	10
29045	Hood		Side	10
29170S	Hood	●	Top	6
29051S	Hood	●	Side	8
29044S	Housing (Bulkhead Mounting)	●		10
29058S	Housing (Surface Mounting)	●		8
29059S	Housing (Surface Mounting - Double Entry)	●		8
29178	Hood (h:80mm)*			10
29179S	Hood (h:80mm)*	●		6
29652	Cover For Housing			40
29655S	Cover For Hood	●		20

ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG21 Size 24B

Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29374	Hood		Top	10
29373	Hood		Side	10
29376S	Hood	●	Top	6
29375S	Hood	●	Side	8
29370S	Housing (Bulkhead Mounting)	●		10
29371S	Housing (Surface Mounting)	●		8
29372S	Housing (Surface Mounting - Double Entry)	●		8
29377	Hood (h:80mm)*			10
29378S	Hood (h:80mm)*	●		6
29415S	Housing (Bulkhead Mounting With Cover)	●		10
29416S	Housing (Surface Mounting With Cover)	●		8
29417S	Housing (Surface Mounting With Cover - Double Entry)	●		8



Thread	Colour	Material	Diameter
-2305		Aluminium Grey	M 25
-2905		Aluminium Grey	N 3/4
-2405		Aluminium Grey	M 32
-0604		Aluminium Black	PG 21
-2304		Aluminium Black	M 25
-2404		Aluminium Black	M 32
-2904		Aluminium Black	N 3/4

For different colour and / or different threads please prefix the standart product code from above table.
For the products ending with "S" please add it at the end of newly created code. (E.g.: 29058-2305S)

* Please contact us for cable entry and colour options.
* h: Height of high construction hoods.

SIZE 32B



ALUMINIUM HOODS & HOUSINGS - DOUBLE LEVER - PG21				Size 32B
Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29060	Hood		Top	6
29061	Hood		Side	6
29062S	Hood	●	Top	4
29063S	Hood	●	Side	4
29046S	Housing (Bulkhead Mounting)	●		8
29081S	Housing (Surface Mounting)	●		4
29082S	Housing (Surface Mounting - Double Entry)	●		4
29660	Cover For Housing			30
29662S	Cover For Hood	●		10



Thread	Colour	Material	Diameter	Thread	Colour	Material	Diameter
-2405		Aluminium Grey	M 32	-0704		Aluminium Black	PG 29
-2505		Aluminium Grey	M 40	-2404		Aluminium Black	M 32
-2805		Aluminium Grey	N 1	-2504		Aluminium Black	M 40
-2905		Aluminium Grey	N 3/4	-2804		Aluminium Black	N 1
-0604		Aluminium Black	PG 21	-2904		Aluminium Black	N 3/4

For different colour and / or different threads please prefix the standart product code from above table.
For the products ending with "S" please add it at the end of newly created code. (E.g.: 29081-2405S)

* Please contact us for cable entry and colour options.

SIZE 24B



PLASTIC HOODS & HOUSINGS - DOUBLE LEVER - PG29				Size 24B
Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
2900045	Hood		Side	
2900044	Housing (Bulkhead Mounting)	●		



SIZE 48B



ALUMINIUM HOODS & HOUSINGS - DOUBLE LEVER - PG29 Size 48B

Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29065	Hood		Top	4
29066	Hood		Side	4
29067S	Hood	●	Top	4
29068S	Hood	●	Side	4
29048S	Housing (Bulkhead Mounting)	●		8
29083S	Housing (Surface Mounting)	●		3
29084S	Housing (Surface Mounting - Double Entry)	●		3
29661	Cover For Housing			20
29663	Cover For Hood	●		20

ALUMINIUM HOODS & HOUSINGS - SINGLE LEVER - PG29 Size 48B

Product Code	Description	Lever / Gasket	Entry Type	Box Qty.
29094	Hood		Top	4
29093	Hood		Side	4
29096S	Hood	●	Top	4
29095S	Hood	●	Side	4
29090S	Housing (Bulkhead Mounting)	●		8
29091S	Housing (Surface Mounting)	●		3
29092S	Housing (Surface Mounting - Double Entry)	●		3



Thread	Colour	Material	Diameter	Thread	Colour	Material	Diameter
-0605		Aluminium Grey	PG 21	-0604		Aluminium Black	PG 21
-0805		Aluminium Grey	PG 36	-0804		Aluminium Black	PG 36
-2405		Aluminium Grey	M 32	-2404		Aluminium Black	M 32
-2505		Aluminium Grey	M 40	-2504		Aluminium Black	M 40
-2605		Aluminium Grey	M 50	-2604		Aluminium Black	M 50
-2805		Aluminium Grey	N 1	-2804		Aluminium Black	N 1
-0704		Aluminium Black	PG 29				

For different colour and / or different threads please prefix the standart product code from above table.
 For the products ending with "S" please add it at the end of newly created code. (E.g.: 29083-0605S)

* Please contact us for cable entry and colour options.

HOT RUNNER BOXES - NEW



- 117010103**
- Hot Runner Box For 10B - 16B - 24B Size
 - 2mm Metal Sheet



- 117010203**
- Hot Runner Box For 2x 10B - 16B - 24B Size
 - 2mm Metal Sheet

PLASTIC & METAL LEVERS

A Size Enclosures



- 20066**
- Plastic Single Lever
 - Size 3A



- 29605**
- Metal Single Lever
 - Size 3A



- 20476**
- Plastic Single Lever
 - Size 10A



- 20486**
- Plastic Single Lever
 - Size 16A



- 20477**
- Plastic Double Lever
 - Size 32A

B Size Enclosures



- 29606**
- Metal Single Lever
 - Size 6B



- 29602**
- Plastic Single Lever
 - Size 6B



- 29601**
- Plastic Single Lever
 - Size 10B



- 29609**
- Metal Single Lever
 - Size 16B



- 29610**
- Plastic Single Lever
 - Size 24B



- 2103954**
- Metal Single Lever
 - Size 48B



- 29607**
- Metal Double Lever
 - Size 10B-16B-24B



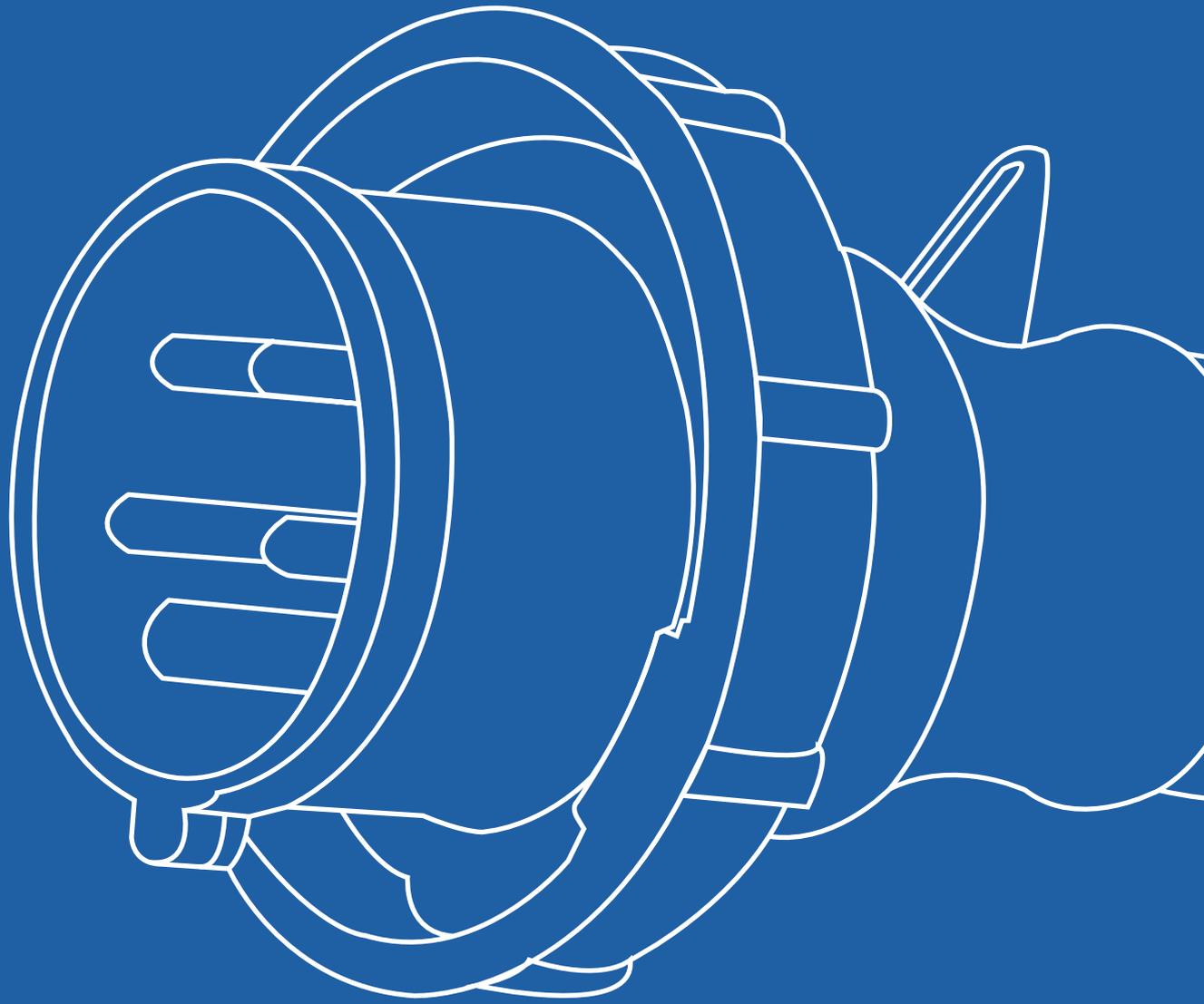
- 29600**
- Plastic Double Lever
 - Size 10B-16B-24B



- 29608**
- Metal Double Lever
 - Size 32B-48B



- 29601**
- Plastic Double Lever
 - Size 32B-48B



MECEE[®]
industrial plugs and sockets

INDUSTRIAL IEC PLUGS & SOCKETS

CEE and IEC

The term CEE generally refers to Industrial Plugs and Sockets that comply with International Standard IEC 60309. CEE is the abbreviation of International Commission on rules for the approval of Electrical Equipment.

CONFORMITY TO STANDARDS

CEE plugs and sockets are internationally normalized by IEC 60309-1 and IEC 60309-2 equivalent to the European Norms EN 60309 part 1 and EN 60309 part 2.

IEC is the International Electrotechnical Commission - which is the world organization for international standardization of electrical equipment:

CENELEC

European Committee for Electrotechnical Normalization - members are the national electrotechnical committees from Austria, Belgium, Bulgaria, Czech Republic, Croatia, Cyprus, Denmark, Germany, Estonia, Finland, France, Greece, Hungary, Ireland, Iceland, Italy, Latvia, Lithuania, Luxemburg, Malta, North Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Slovakia, Sweden, Switzerland, Spain, Türkiye and the United Kingdom.

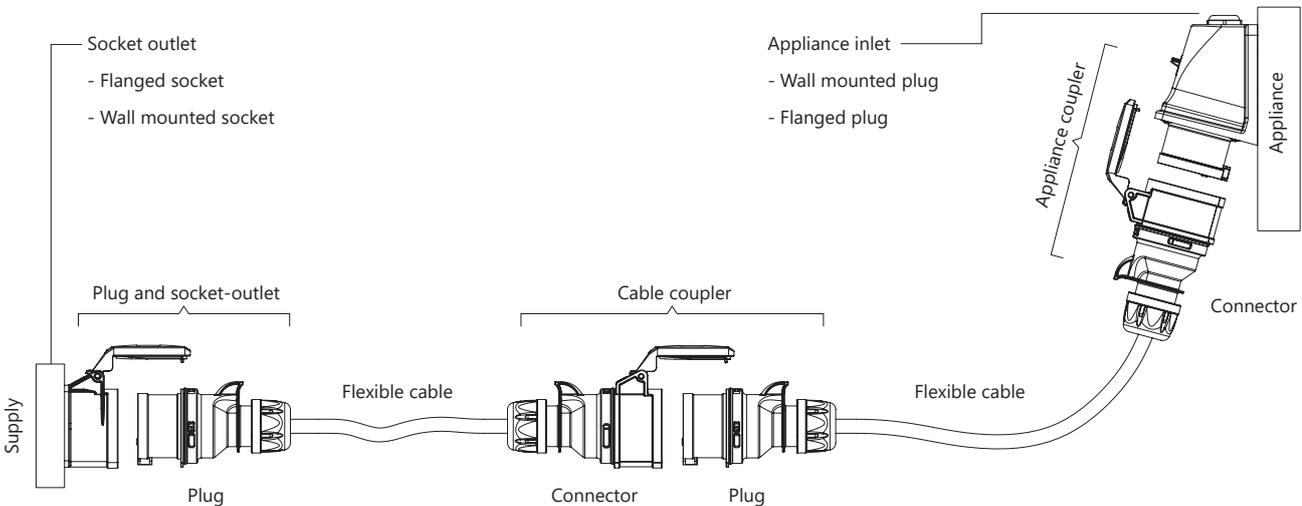
SYSTEM

The standard CEE plugs and sockets according to EN 60309 respectively IEC 60309 are designed in their main dimensions in a way that plugs and sockets with the same rated currents, nominal working voltage ranges, the same number of poles and frequency of different producers are compatible.

In order to prevent the insertion of plugs and sockets of different voltages and frequencies, 12 positions of the earthing contact are assigned to the polarizing slot of the skirt of a socket.

The number with the following letter h indicates the position of the earth contact tube, comparing the frontside of the socket or connector with the face of a clock. The keyway is situated at 6 o'clock (see page 11).

TERMINOLOGY



PILOT CONTACT

The pilot contact for levels of current from 63A to 125A is an auxiliary contact – with delayed close when inserted and leading open when pulled – and is used as an electrical interlock. An interlock prevents inserting and pulling under load. CEE connectors and socket-outlets with pilot contact have longer phase contacts and do not guarantee safety from finger-touch. This must be done by an interlock.

Technical Data

Connection Type:	Screw Terminals
Wire flexible (mm ²)	1 - 2,5
Solid (mm ²)	1 - 4
Contact screws (Ncm)	100 Ncm
Rated current	2 A

As METE CEE plugs and sockets have sufficient switching capacity the CEE couplings and socket-outlets are supplied as standard without a pilot contact and shorter phase contact with protection from finger-touch.

PCS (PILOT CONTACT SYSTEM):

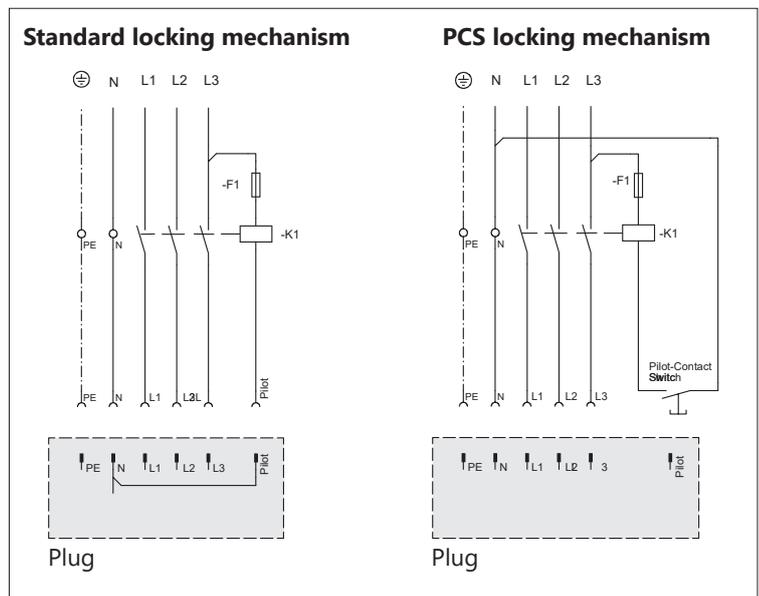
The PCS is a built-in auxiliary contact, used only for 63A and 125A connectors and socket-outlets, for protective electrical interlocking or for additional control purposes, with isolated connection in the socket-outlet. CEE connectors and sockets have longer phase contacts and guarantee no finger protection; this must be fulfilled by a locking.

The PCS provides the following advantages:

- No special cable required for the plug
- Isolated inserting and pulling

Technical Data:

- Contacts: Silver-coated
- Wires: 2x YF 1.5qmm 450mm
- Rated current: 2A



TERMINAL CROSS-SECTION, DISMANTLING AND STRIPPING LENGTH

Recommended datas for METE products

Rated Current	Terminal cross-section		Dismantling length (mm)	Stripping length (mm)
	wire flexible (mm ²)	wire solid (single or stranded) (mm ²)		
16A - CEE	1 - 2,5	1 - 4	50	10 - 12
32A - CEE	2,5 - 6	2,5 - 4	50	12 - 14
63A - CEE	6 - 16	6 - 25	100	15 - 18
125A - CEE	16 - 50	16 - 70	100	24 - 27

POSITION OF THE EARTHING CONTACT ACC. TO IEC 60309-2 – SERIE I

Voltage	Frequency	2P+E		3P+E		3P+N+E	
		16+32A	63+125A	16+32A	63+125A	16+32A	63+125A
57/100 to 75/130	50 and 60					4	4
100 to 130	50 and 60	4	4	4	4		
120/208 to 144/250	50 and 60					9	9
200 to 250	50 and 60	6	6	9	9		
200/346 to 240/415	50 and 60					6	6
220/380 250/440	50 60					3	3
250/440 to 265/460	60					11	11
277/480 to 288/500	50 and 60					7	7
347/600 to 400/690	50 and 60					5	5
380 to 415	50 and 60	9	9	6	6		
380 440	50 60			3	3		
440 to 460	60			11	11		
480 to 500	50 and 60						
600 to 690	50 and 60	7	7	7	7		
1000	50 and 60			5	5		
> 50	100 to 300	10	10	10	10	10	10
> 50	>300 to 500	2	2	2	2	2	2
> 50 to 250	DC	3	3				
> 250	DC	8	8				
supply by isolating transformer	50 and 60	12	12	12	12	12	12
All rated operating voltage and/or frequencies not covered by other configurations.		1	1	1	1	1	1

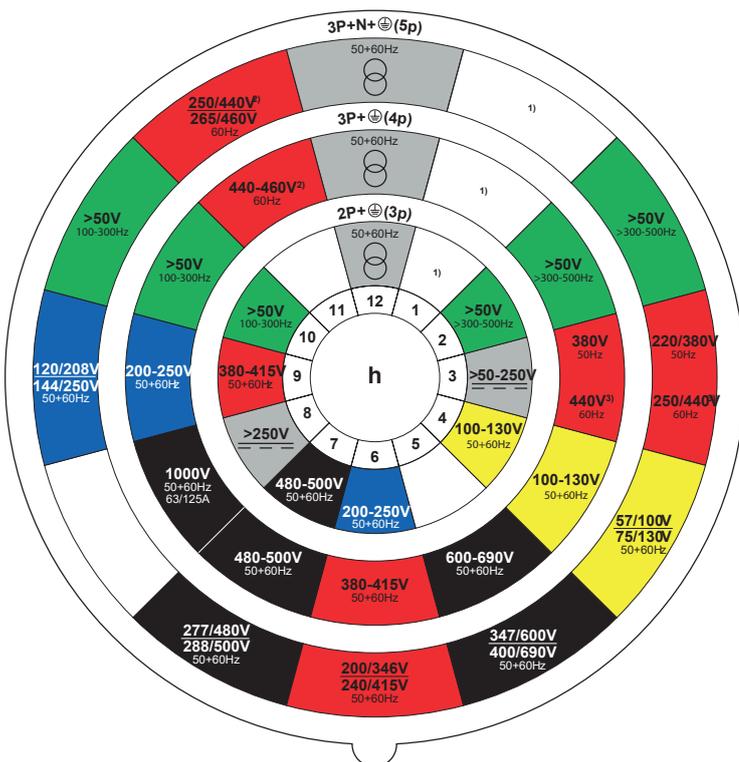
COLOUR CODES

For ease of identification of the various voltages and frequencies all CEE plugs and sockets are colour coded:

Rated operating voltage:	Colour Code
20 - 25V	Violet
40-50V	White
100-130V	Yellow
200-250V	Blue
380-480V	Red
500-1000V	Black
> 60-500Hz	Green
no colour code	Grey

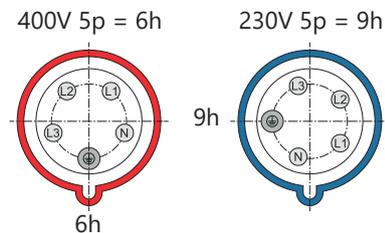
INTERNATIONAL RATING – SERIE I

For appliances >50V – details see table above



Position of the earthing contact
View: Frontside socket or connector

Example:



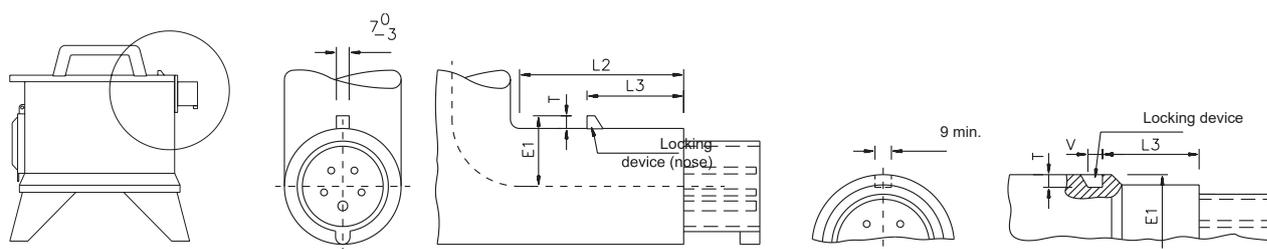
- 1) Clock position not standardized and free for use for special applications
- 2) Mainly for ship installations
- 3) Only for refrigerated containers

LOCKING DEVICE

A locking device prevents unintended withdrawal by locking the hinged lid in a lug/cavity or a bayonet system with a bayonet ring. According to IEC/EN 60309 the following locking devices have to be provided:

rated current	protection degree	sockets and connectors	plugs and appliance plugs
16A and 32A	IP44	hinged lid	lug/cavity
16A and 32A	IP67	bayonet system	lug/cavity and bayonet ring
63A and 125A	IP67	bayonet system	bayonet ring

Extract from the standard EN60309 for plugs and flanged plugs



Positioning table (in mm):

		E1	L2	L3 (IP44)	L3 (IP67)	T	V
16	3	29-31	≥75	40-41	37-38	≥4	≥8
16	4	33-35	≥80	46-47	43-44	≥5	≥8
16	5	37-39	≥90	52-53	49-50	≥7	≥8
32	3	39-41	≥90	53-54	50-51	≥7	≥8
32	4	39-41	≥90	53-54	50-51	≥7	≥8
32	5	44-46	≥105	58,5-60	55,5-57	≥8	≥9

CONTACTS

The contacts are made of a copper-zinc alloy. The most important features are:

- High electric conducting capacity 15 MS/m / (m/Ω mm²);
- High resistance to extension up to 500 N/mm² (MPa);
- High corrosion resistance in areas of: industrial atmosphere, agriculture, . . .
- With nickel-plated contacts increased corrosion resistance in areas of: seawater, steam, sulphur hydrides, agriculture, dairies.
- Conform to RoHS-directiv 2011/65/EU
- METE sockets 63A and 125A have a CuBe lamellar spring for a well contacting and anti-corrosion contacts.

TEMPERATURE

Ambient temperature: IEC/EN 60309 applies to CEE plugs and sockets which are used at an ambient temperature that does not normally exceed the range from -25°C to +40°C.

Temperature resistance: METE CEE plugs and sockets themselves have a temperature resistance of -25°C to +80°C (100°C for 1 hour)

IK-CODE:

The IK code is a coding system according to IEC/EN 50102 respectively IEC/EN 62262, which defines the degree of protection provided by an enclosure against damaging mechanical loads.

Each characteristic numerical group of the IK Code represents a load energy value as per the table:

IK-Code	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Load energy in joule	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20

PLASTIC MATERIAL

Our plugs and sockets are produced from POLYAMIDE 6 as well as PC/ABS. The main characteristics of these materials are:

- Excellent impact resistance combined with high rigidity and solidity,
- High thermal stability (self-extinguishing),
- Very good insulating qualities,
- High disruptive strength,
- High abrasion resistance,
- High weathering resistance,
- Very good chemical resistance to various chemicals,
- Free from cadmium and halogen (fluorine, chlorine, bromine, iodine, astatine)
- Conform to ROHS Directive 2011/65/EU

Overview chemical resistance:

Chemicals	Concentration	Resistance		Chemicals	Concentration	Resistance	
		PA6	PC/ABS			PA6	PC/ABS
acetone		+	-	potassium hydroxide	50%	o	-
aldehyde		o	-	ketone		+	-
alcohols		-	+	fuels		+	o
formic acid	4-5%	+	o	methane		+	x
amine		+	-	petroleums		+	+
ammonia	5%	+	o/-	sodium chloride		+	+
ammonium chloride	35%	+	-	sodium hydroxide	10%	+	x
inorganic salts		+	o	sodium hydroxide	2-8%	+	-
benzine		+	+	nitrobenzene		+	-
benzol		+	o	oils		+	+
chlorine		o	o	phosphoric acid	10%	-	o
acetic acid	5%	o	+	propanol		+	o
ester		+	o	nitric acid	2%	-	+
ethyl aether		+	o	hydrochloric acid	2%	-	o
fats		+	+	sulfuric acid	50%	-	+
hydrofluoric acid		-	o	propellants (propane - butane mixture)		x	-
formaldehyde	5%	+	-	water		+	+
formalin	3-4%	+	-	hydrogen peroxide	30%	o	+
glycol		o	o	citric acid	20%	o	+
glycerin		+	o				

- + resistant
- o conditionally resistant
- not resistant
- x not specified

The information about the resistance is valid with ambient temperature and can lead in coincidence of different medias to different resistances.

These indications do not exempt from own tests to determine the actual suitability of the products for the intended use.

Source: Saechtling Kunststoff pocket book; Carl Hanser Verlag Munich, Vienna; DSM Engineering plastics; METE internal tests

IP (INGRESS PROTECTION)-RATINGS

CEE-plugs and sockets with rated currents 16A, 32A and 63A must meet the system of protection IP44 or IP67; 125A protection degree IP66/67 according to EN 60529.

The degree of protection is tested on sockets and connectors, with and without inserted plug or appliance plug and on plugs and appliance plugs, when fully inserted into the socket or connector.

1st digit	Protection against ingress of solid objects	2nd digit	Protection against penetration of water
2	Ø 12,5 mm	0	non protection
3	Ø 2,5 mm	3	spraying water at an angle up to 60° from the vertical
4	Ø 1 mm	4	splashing water from any direction
5	dustproof	5	water jets from any direction
6	dust-tight	6	strong water jets from any direction
		7	temporary immersion in water under defined pressure and time
		8	continuous submersion in water under defined pressure and time

Example: IP44 = 1st digit = 4 . protection against solid objects larger than 1mm Ø
 2nd digit = . 4 protection against splashing water from any direction

If the system allows plugs of a certain IP rating to be introduced into socket-outlets having another IP rating, attention should be drawn to the fact that the resulting degree of protection of the combination plug/socket-outlet is the lower of the two.

Explanation for double marking IP66/67 and IP66/68:

According to IEC 60529, an accessory designated with second characteristic numeral 7 or 8 is only suitable for immersion. For protection against exposure to water jets, additional testing is required according to second characteristic numeral 5 or 6 and then the product should be marked accordingly.

16A/32A

LET'S TAKE **QUICK** - IT'S EASY, QUICK AND SAFE

■ ■ ■ QUICK CONNECTION

Contact screws

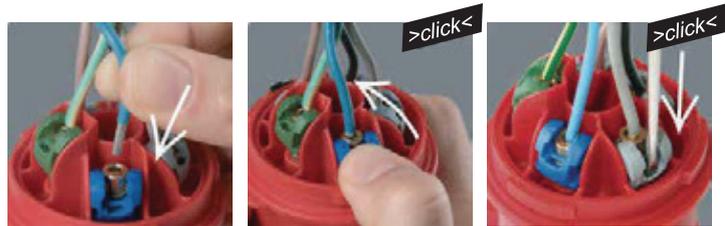
- Accessible from one direction
- Captive and open
- With multi-slot

No screws needed to assemble the plug

- Multi-ramp quick-lock system
- Easy fitting by twist-lock action ---> saves your time

Dismantling

- Simply unlock and twist to open



1) Insert wire

2) Close terminal

3) Reopen terminal

Screwless connection technology

- Time saving
- Screwless terminal
- Open contact terminals, ready for assembly
- Fast cable installation
- Simple closing and opening just by thumb pressure

For all standard cable diameters

- 16A: up to 2,5 mm² flexible, up to 4 mm² solid
- 32A: up to 6 mm² flexible, up to 10 mm² solid

Conductors (stripped)

- Flexible with or without end sleeve
- or solid wires

■ ■ ■ ADVANTAGES OF THE NEW CABLE LOCK GLAND

- Saves time
- Simply insertion of the cable in less time
- Strain relief and sealing of the cable by tightening the cable-lock gland
- Usable for all known cable types
- Self-adjusting gasket for different cable diameters
- Maximum cable security



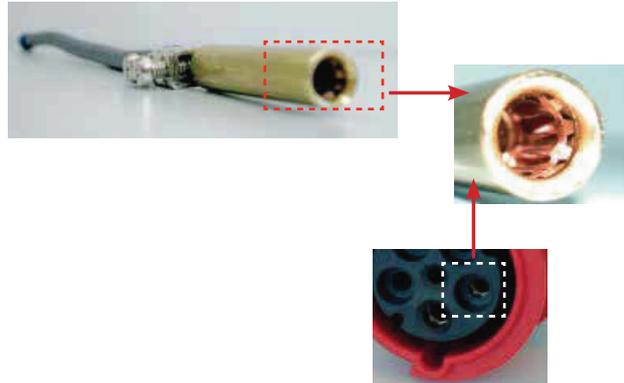
63A/125A

SAFETY HEAVY DUTY TIME SAVING

■■■ SAFETY

Lamellar spring

- Low insertion and extraction forces
- Minimum contact resistance
- Self-cleaning
- Optimum contact - at least 10 contact points



TWIST-cable gland

- Secures the cable firmly in position
- Protects from water and dust
- Safety screw locks the screw cap in position



■■■ HEAVY DUTY

For extreme environments
Exceptional high impact resistance
Extreme heat resistant contact carriers
Anti-corrosion contacts

- offer protection in aggressive atmospheres, e.g. in chemical plants

■■■ TIME SAVING

TWIST-cable gland
Optimum grip
Wide connection space

- fast cable installation

Open contact terminals,
ready for assembly

3x16A (2P+E) - 200-250 V 6h 50-60 Hz

IP44 - Quick Connection

Product Code	Description	Box Qty.
406101	Plug	10
406201	Flanged Plug (Straight)	10
406202	Flanged Plug (Angled)	10
406301	Wall Mounted Plug	10
406401	Connector	10
406501	Flanged Socket (Angled)	10
406502	Flanged Socket (Straight)	10
406602	Wall Mounted Socket	10

3x16A (2P+E) - 200-250 V 6h 50-60 Hz

IP44 - Screw Connection

Product Code	Description	Box Qty.
406101V	Plug	10
406201V	Flanged Plug (Straight)	10
406202V	Flanged Plug (Angled)	10
406301V	Wall Mounted Plug	10
406401V	Connector	10
406501V	Flanged Socket (Angled)	10
406502V	Flanged Socket (Straight)	10
406602V	Wall Mounted Socket	10
406678V	Wall Socket (Switched)	1
406701V	Multiple Socket Outlet	5
406440V	Adaptor	10

3x16A (2P+E) - 200-250 V 6h 50-60 Hz

IP67 - Screw Connection

Product Code	Description	Box Qty.
406102V	Plug	10
406203V	Flanged Plug (Straight)	10
406204V	Flanged Plug (Angled)	10
406302V	Wall Mounted Plug	10
406402V	Connector	10
406503V	Flanged Socket (Angled)	10
406504V	Flanged Socket (Straight)	10
406603V	Wall Mounted Socket	10
406684V	Wall Socket (Switched)	1
406702V	Multiple Socket Outlet	5



For different voltage and clock position options please contact us.

4x16A (3P+E) - 380-415 V 6h 50-60 Hz

IP44 - Quick Connection

Product Code	Description	Box Qty.
406103	Plug	10
406206	Flanged Plug (Angled)	10
406403	Connector	10
406505	Flanged Socket (Angled)	10
406506	Flanged Socket (Straight)	10
406605	Wall Mounted Socket	10

4x16A (3P+E) - 380-415 V 6h 50-60 Hz

IP44 - Screw Connection

Product Code	Description	Box Qty.
406103V	Plug	10
406205V	Flanged Plug (Straight)	10
406206V	Flanged Plug (Angled)	10
406303V	Wall Mounted Plug	10
406403V	Connector	10
406505V	Flanged Socket (Angled)	10
406506V	Flanged Socket (Straight)	10
406605V	Wall Mounted Socket	10
406679V	Wall Socket (Switched)	1
406679V	Combination Unit	5

4x16A (3P+E) - 380-415 V 6h 50-60 Hz

IP67 - Screw Connection

Product Code	Description	Box Qty.
406104V	Plug	10
406207V	Flanged Plug (Straight)	10
406208V	Flanged Plug (Angled)	10
406304V	Wall Mounted Plug	5
406404V	Connector	10
406507V	Flanged Socket (Angled)	10
406508V	Flanged Socket (Straight)	10
406606V	Wall Mounted Socket	5
406685V	Wall Socket (Switched)	1



For different voltage and clock position options please contact us.

5x16A (3P+N+E) - 380-415 V 6h 50-60 Hz

IP44 - Quick Connection

Product Code	Description	Box Qty.
406105	Plug	10
406105	Flanged Plug (Straight)	10
406210	Flanged Plug (Angled)	10
406305	Wall Mounted Plug	10
406405	Connector	10
406509	Flanged Socket (Angled)	10
406510	Flanged Socket (Straight)	10
406607	Wall Mounted Socket	10

5x16A (3P+N+E) - 380-415 V 6h 50-60 Hz

IP44 - Screw Connection

Product Code	Description	Box Qty.
406105V	Plug	10
406209V	Flanged Plug (Straight)	10
406210V	Flanged Plug (Angled)	10
406305V	Wall Mounted Plug	10
406405V	Connector	10
406509V	Flanged Socket (Angled)	10
406510V	Flanged Socket (Straight)	10
406607V	Wall Mounted Socket	10
406650V	Combination Unit	5
406680V	Wall Socket (Switched)	1
406441V	Adaptor	10

5x16A (3P+N+E) - 380-415 V 6h 50-60 Hz

IP67 - Screw Connection

Product Code	Description	Box Qty.
406106V	Plug	10
406211V	Flanged Plug (Straight)	10
406212V	Flanged Plug (Angled)	5
406307V	Wall Mounted Plug	5
406406V	Connector	10
406511V	Flanged Socket (Angled)	10
406512V	Flanged Socket (Straight)	10
406609V	Wall Mounted Socket	5
406686V	Wall Socket (Switched)	1
406150V	Phase Invertor Plug	10



For different voltage and clock position options please contact us.

3x32A (2P+E) - 200-250 V 6h 50-60 Hz

IP44 - Quick Connection

Product Code	Description	Box Qty.
406107	Plug	10
406214	Flanged Plug (Angled)	10
406407	Connector	10
406513	Flanged Socket (Angled)	10
406514	Flanged Socket (Straight)	10
406611	Wall Mounted Socket	10

3x32A (2P+E) - 200-250 V 6h 50-60 Hz

IP44 - Screw Connection

Product Code	Description	Box Qty.
406107V	Plug	10
406213V	Flanged Plug (Straight)	10
406214V	Flanged Plug (Angled)	5
406308V	Wall Mounted Plug	10
406407V	Connector	10
406513V	Flanged Socket (Angled)	10
406514V	Flanged Socket (Straight)	10
406611V	Wall Mounted Socket	10
406681V	Wall Socket (Switched)	1

3x32A (2P+E) - 200-250 V 6h 50-60 Hz

IP67 - Screw Connection

Product Code	Description	Box Qty.
406108V	Plug	10
406215V	Flanged Plug (Straight)	10
406216V	Flanged Plug (Angled)	5
406310V	Wall Mounted Plug	5
406408V	Connector	10
406515V	Flanged Socket (Angled)	10
406516V	Flanged Socket (Straight)	10
406612V	Wall Mounted Socket	5
406687V	Wall Socket (Switched)	1



For different voltage and clock position options please contact us.

4x32A (3P+E) - 380-415 V 6h 50-60 Hz

IP44 - Quick Connection

Product Code	Description	Box Qty.
406109	Plug	10
406217	Flanged Plug (Straight)	10
406218	Flanged Plug (Angled)	5
406311	Wall Mounted Plug	10
406409	Connector	10
406517	Flanged Socket (Angled)	10
406518	Flanged Socket (Straight)	10
406614	Wall Mounted Socket	10

4x32A (3P+E) - 380-415 V 6h 50-60 Hz

IP44 - Screw Connection

Product Code	Description	Box Qty.
406109V	Plug	10
406217V	Flanged Plug (Straight)	10
406218V	Flanged Plug (Angled)	5
406311V	Wall Mounted Plug	10
406409V	Connector	10
406517V	Flanged Socket (Angled)	10
406518V	Flanged Socket (Straight)	10
406614V	Wall Mounted Socket	10
406630V	Combination Unit	5
406682V	Wall Socket (Switched)	1

4x32A (3P+E) - 380-415 V 6h 50-60 Hz

IP67 - Screw Connection

Product Code	Description	Box Qty.
406110V	Plug	10
406219V	Flanged Plug (Straight)	10
406220V	Flanged Plug (Angled)	5
406313V	Wall Mounted Plug	5
406410V	Connector	10
406519V	Flanged Socket (Angled)	10
406520V	Flanged Socket (Straight)	10
406615V	Wall Mounted Socket	5
406688V	Wall Socket (Switched)	1



For different voltage and clock position options please contact us.

5x32A (3P+N+E) - 380-415 V 6h 50-60 Hz

IP44 - Quick Connection

Product Code	Description	Box Qty.
406111	Plug	10
406221	Flanged Plug (Straight)	10
406222	Flanged Plug (Angled)	5
406314	Wall Mounted Plug	10
406411	Connector	10
406521	Flanged Socket (Angled)	10
406522	Flanged Socket (Straight)	10
406616	Wall Mounted Socket	10

5x32A (3P+N+E) - 380-415 V 6h 50-60 Hz

IP44 - Screw Connection

Product Code	Description	Box Qty.
406111V	Plug	10
406221V	Flanged Plug (Straight)	10
406222V	Flanged Plug (Angled)	5
406314V	Wall Mounted Plug	5
406411V	Connector	10
406521V	Flanged Socket (Angled)	10
406522V	Flanged Socket (Straight)	10
406616V	Wall Mounted Socket	5
406651V	Wall Socket (Switched)	1
406683V	Phase Invertor Plug	10

5x32A (3P+N+E) - 380-415 V 6h 50-60 Hz

IP67 - Screw Connection

Product Code	Description	Box Qty.
406112V	Plug	10
406223V	Flanged Plug (Straight)	10
406224V	Flanged Plug (Angled)	5
406316V	Wall Mounted Plug	5
406412V	Connector	10
406523V	Flanged Socket (Angled)	10
406524V	Flanged Socket (Straight)	10
406618V	Wall Mounted Socket	5
406689V	Wall Socket (Switched)	1
406151V	Phase Invertor Plug	10



For different voltage and clock position options please contact us.

3x63A (2P+E) - 200-250 V 6h 50-60 Hz

IP44 - Screw Connection

Product Code	Description	Box Qty.
406113	Plug	2
406225	Flanged Plug (Straight)	2
406413	Connector	2
406525	Flanged Socket (Angled)	2
406526	Flanged Socket (Straight)	2
406621	Wall Mounted Socket	2

3x63A (2P+E) - 200-250 V 6h 50-60 Hz

IP67 - Screw Connection

Product Code	Description	Box Qty.
406114	Plug	2
406227	Flanged Plug (Straight)	2
406228	Flanged Plug (Angled)	2
406318	Wall Mounted Plug	2
406414	Connector	2
406527	Connector	2
406528	Flanged Socket (Straight)	2
406620	Wall Mounted Socket	2



For different voltage and clock position options please contact us.

4x63A (3P+E) - 380-415 V 6h 50-60 Hz

IP44 - Screw Connection

Product Code	Description	Box Qty.
406115	Plug	2
406229	Flanged Plug (Straight)	2
406415	Connector	2
406529	Flanged Socket (Angled)	2
406530	Flanged Socket (Straight)	2
406628	Wall Mounted Socket	2

4x63A (3P+E) - 380-415 V 6h 50-60 Hz

IP67 - Screw Connection

Product Code	Description	Box Qty.
406116	Plug	2
406231	Flanged Plug (Straight)	2
406232	Flanged Plug (Angled)	2
406320	Wall Mounted Plug	2
406416	Connector	2
406531	Flanged Socket (Angled)	2
406532	Flanged Socket (Straight)	2
406622	Wall Mounted Socket	2
406676	Interlock Wall Socket (Angled)	1



For different voltage and clock position options please contact us.

5x63A (3P+N+E) - 380-415 V 6h 50-60 Hz

IP44 - Screw Connection

Product Code	Description	Box Qty.
406117	Plug	2
406233	Flanged Plug (Straight)	2
406417	Connector	2
406533	Flanged Socket (Angled)	2
406534	Flanged Socket (Straight)	2
406623	Wall Mounted Socket	2

5x63A (3P+N+E) - 380-415 V 6h 50-60 Hz

IP67 - Screw Connection

Product Code	Description	Box Qty.
406118	Plug	2
406235	Flanged Plug (Straight)	2
406236	Flanged Plug (Angled)	2
406322	Wall Mounted Plug	2
406418	Connector	2
406535	Flanged Socket (Angled)	2
406536	Flanged Socket (Straight)	2
406624	Wall Mounted Socket	2
406677	Interlock Wall Socket (Angled)	1



For different voltage and clock position options please contact us.

4x125 A (3P+E) 6h / 50-60 Hz 380-415 V

IP67 - Screw Connection

Product Code	Description	Box Qty.
406119	Plug	2
406237	Flanged Plug (Straight)	2
406238	Flanged Plug (Angled)	2
406323	Wall Mounted Plug (Angled)	1
406419	Connector	2
406537	Flanged Socket (Angled)	2
406538	Flanged Socket (Straight)	2
406625	Wall Mounted Socket (Angled)	1



5x125 A (3P+N+E) 6h / 50-60 Hz 380-415 V

IP67 - Screw Connection

Product Code	Description	Box Qty.
406120	Plug	2
406239	Flanged Plug (Straight)	2
406240	Flanged Plug (Angled)	2
406324	Wall Mounted Plug (Angled)	2
406420	Connector	2
406539	Flanged Socket (Angled)	2
406540	Flanged Socket (Straight)	2
406626	Wall Mounted Socket (Angled)	1



3x16A (2P+E) - 100-130 V 4h 50-60 Hz

Screw Connection

Product Code	Description	IP Degree	Box Qty.
406121V	Plug	IP44	10
406541V	Flanged Socket (Angled)	IP44	10
406421V	Connector	IP44	10
406627V	Wall Mounted Socket	IP44	10
406122V	Plug	IP67	10
406542V	Flanged Socket (Angled)	IP67	10
406422V	Connector	IP67	10

4x16A (3P+E) - 100-130 V 4h 50-60 Hz

Screw Connection

Product Code	Description	IP Degree	Box Qty.
406123V	Plug	IP44	10
406543V	Flanged Socket (Angled)	IP44	10
406423V	Connector	IP44	10
406124V	Plug	IP67	10
406544V	Flanged Socket (Angled)	IP67	10
406424V	Connector	IP67	10

3x32A (2P+E) - 100-130 V 4h 50-60 Hz

Screw Connection

Product Code	Description	IP Degree	Box Qty.
406125V	Plug	IP44	10
406545V	Flanged Socket (Angled)	IP44	10
406425V	Connector	IP44	10
406126V	Plug	IP67	10
406546V	Flanged Socket (Angled)	IP67	10
406426V	Connector	IP67	10

4x32A (3P+E) - 100-130 V 4h 50-60 Hz

Screw Connection

Product Code	Description	IP Degree	Box Qty.
406127V	Plug	IP44	10
406547V	Flanged Socket (Angled)	IP44	10
406427V	Connector	IP44	10
406128V	Plug	IP67	10
406548V	Flanged Socket (Angled)	IP67	10
406428V	Connector	IP67	10



2x16A (2P) - 24 V 50-60 Hz Screw Connection

Product Code	Description	IP Degree	Box Qty.
406132V	Plug	IP44	10
406551V	Flanged Socket (Straight)	IP44	10
406431V	Connector	IP44	10
406703V	Multiple Socket Outlet	IP44	10
406133V	Plug	IP67	10
406552V	Flanged Socket (Straight)	IP67	10
406432V	Connector	IP67	10

3x16A (3P) - 24 V 50-60 Hz Screw Connection

Product Code	Description	IP Degree	Box Qty.
406134V	Plug	IP44	10
406553V	Flanged Socket (Straight)	IP44	10
406433V	Connector	IP44	10
406130V	Plug	IP67	10
406549V	Flanged Socket (Straight)	IP67	10
406429V	Connector	IP67	10

2x32A (2P) - 24 V 50-60 Hz Screw Connection

Product Code	Description	IP Degree	Box Qty.
406135V	Plug	IP44	10
406554V	Flanged Socket (Straight)	IP44	10
406434V	Connector	IP44	10
406136V	Plug	IP67	10
406555V	Flanged Socket (Straight)	IP67	10
406435V	Connector	IP67	10

3x32A (3P) - 24 V 50-60 Hz Screw Connection

Product Code	Description	IP Degree	Box Qty.
406137V	Plug	IP44	10
406556V	Flanged Socket (Straight)	IP44	10
406436V	Connector	IP44	10
406138V	Plug	IP67	10
406557V	Flanged Socket (Straight)	IP67	10
406437V	Connector	IP67	10

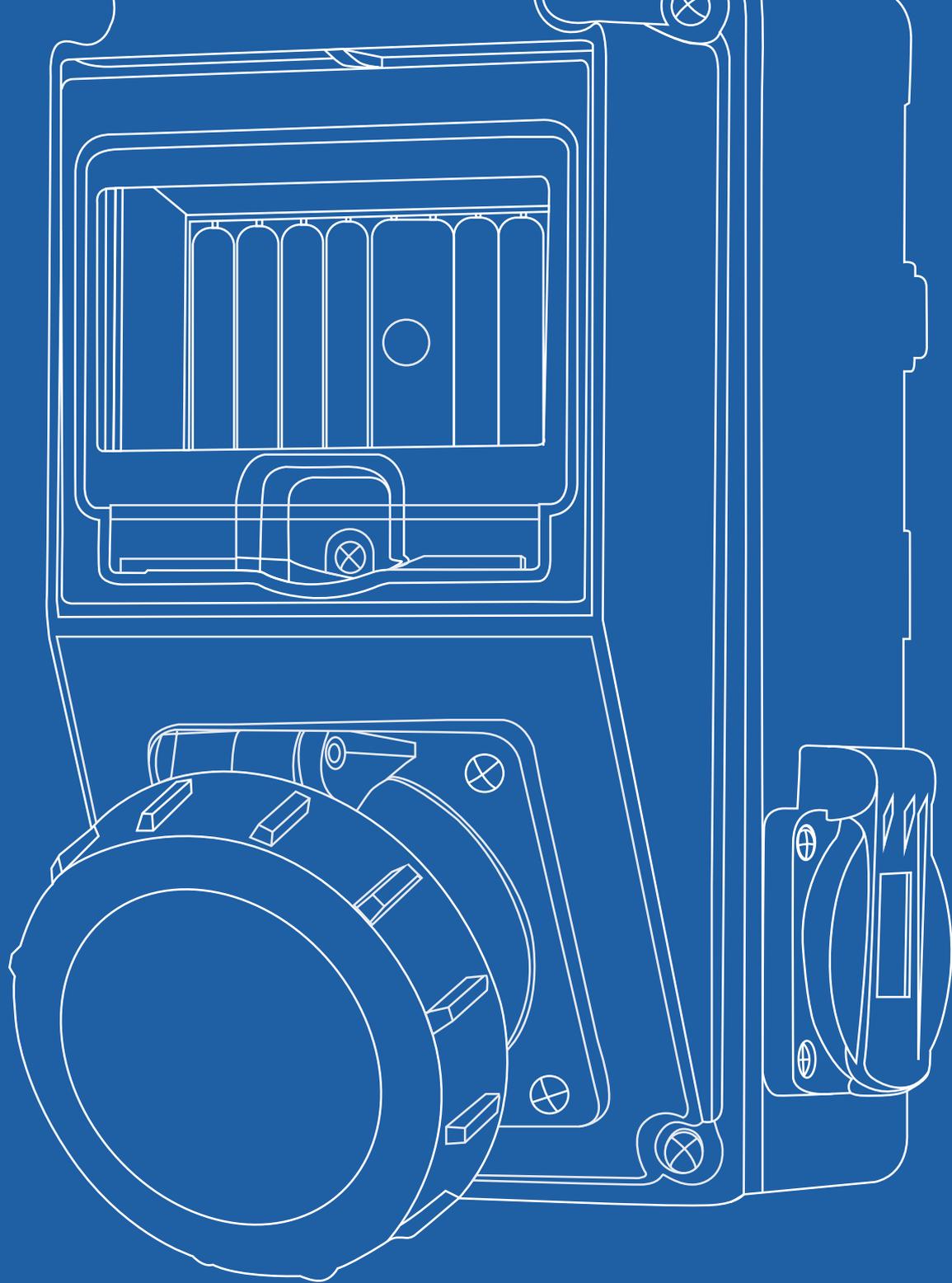


4x32A (3P+E) - 440 V 3h 50-60 Hhz Container Plugs & Sockets

Screw Connection

Product Code	Description	IP Degree	Box Qty.
406129V	Plug	IP67	10
406439V	Connector	IP67	10
406550V	Flanged Socket (Straight)	IP67	10
406578V	Flanged Socket (Angled)	IP67	10
406631V	Wall Mounted Socket (Straight)	IP67	5
407752423V	Interlock Wall Socket	IP67	1





METE® COMBINATION
combination options

COMBINATION OPTIONS

110x210x106 mm - COMBINATION OPTIONS

Product Code	Front	Side	Box Qty.
70012505	1 x 406506V 4x16 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70022505	1 x 406510V 5x16 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70032505	1 x 406518V 4x32 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70042505	1 x 406522V 5x32 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70052505	1 x 406505V 4x16 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70062505	1 x 406509V 5x16 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70072505	1 x 406517V 4x32 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70082505	1 x 406521V 5x32 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70092505	1 x 406508V 4x16 IP67 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70102505	1 x 406512V 5x16 IP67 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70112505	1 x 406520V 4x32 IP67 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70122505	1 x 406524V 5x32 IP67 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70132505	1 x 406507V 4x16 IP67 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70142505	1 x 406511V 5x16 IP67 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70152505	1 x 406519V 4x32 IP67 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70162505	1 x 406523V 5x32 IP67 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70002505	1 x Ø 60 mm. Hole	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70542505	1 x 401040 3x16 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70552505	1 x 401042 3x25 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70562505	1 x 401041 3x32 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2
70552505E (Eco)	1 x 401042 3x25 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	2

Combination boxes are not ready wired and are not supplied with MCB and/or RCB.
Please contact us for more options.



210x290x114 mm - COMBINATION OPTIONS

Product Code	Front 1	Front 2	Side	Box Qty.
70013505	2 x 406506V 4x16 IP44 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70023505	2 x 406510V 5x16 IP44 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70033505	2 x 406518V 4x32 IP44 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70043505	2 x 406522V 5x32 IP44 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70053505	2 x 406505V 4x16 IP44 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70063505	2 x 406509V 5x16 IP44 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70073505	2 x 406517V 4x32 IP44 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70083505	1 x 406521V 5x32 IP44 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70173505	1 x 406521V 5x32 IP44 Flanged Socket Angled	1 x 406518V 4x32 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70183505	1 x 406505V 4x16 IP44 Flanged Socket Angled	1 x 406517V 4x32 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70213505	1 x 406510V 5x16 IP44 Flanged Socket Straight	1 x 406522V 5x32 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70223505	1 x 406509V 5x16 IP67 Flanged Socket Angled	1 x 406521V 5x32 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1

Combination boxes are not ready wired and are not supplied with MCB and/or RCB.
Please contact us for more options.



210x290x114 mm - COMBINATION OPTIONS

Product Code	Front	Side	Box Qty.
70333505	1 x 406506V 4x16 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70343505	1 x 406510V 5x16 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70353505	1 x 406518V 4x32 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70363505	1 x 406522V 5x32 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70373505	1 x 406505V 4x16 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70383505	1 x 406509V 5x16 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70393505	1 x 406517V 4x32 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70083505	1 x 406521V 5x32 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70003505	2 x Ø 60 mm. Hole	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70543505	2 x 401040 3x16 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70553505	2 x 401042 3x25 IP44 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70563505	2 x 401041 3x32 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1

Combination boxes are not ready wired and are not supplied with MCB and/or RCB.
Please contact us for more options.



210x290x114 mm - COMBINATION OPTIONS

Product Code	Front 1	Front 2	Side	Box Qty.
70093505	2 x 406508V 4x16 IP67 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70103505	2 x 406512V 5x16 IP67 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70103505	2 x 406520V 4x32 IP67 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70123505	2 x 406524V 5x32 IP67 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70133505	2 x 406507V 4x16 IP67 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70143505	2 x 406511V 5x16 IP67 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70153505	2 x 406519V 4x32 IP67 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70163505	2 x 406523V 5x32 IP67 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70193505	1 x 406508V 4x16 IP67 Flanged Socket Straight	1 x 406520V 4x32 IP67 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70203505	1 x 406507V 4x16 IP67 Flanged Socket Angled	1 x 406519V 4x32 IP67 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70233505	1 x 406512V 5x16 IP67 Flanged Socket Straight	1 x 406524V 5x32 IP67 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70243505	1 x 406511V 5x16 IP67 Flanged Socket Angled	1 x 406523V 5x32 IP67 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1

Combination boxes are not ready wired and are not supplied with MCB and/or RCB.
Please contact us for more options.



70093505



70113505



70143505



70163505



70203505

210x290x114 mm - COMBINATION OPTIONS

Product Code	Front 1	Front 2	Side	Box Qty.
70413505	1 x 406508V 4x16 IP67 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70423505	1 x 406512V 5x16 IP67 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70433505	1 x 406520V 4x32 IP67 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70443505	1 x 406524V 5x32 IP67 Flanged Socket Straight		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70453505	1 x 406507V 4x16 IP67 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70463505	1 x 406511V 5x16 IP67 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70473505	1 x 406519V 4x32 IP67 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70483505	1 x 406523V 5x32 IP67 Flanged Socket Angled		2 x 404016ST06 1x16 Socket Outlet - IP44	1
70513505	1 x 406520V 4x32 IP67 Flanged Socket Straight	1 x 406532 4x63 IP67 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1
70523505	1 x 406524V 5x32 IP67 Flanged Socket Straight	1 x 406536 5x63 IP67 Flanged Socket Straight	2 x 404016ST06 1x16 Socket Outlet - IP44	1



140x210x114 mm - COMBINATION OPTIONS

Product Code	Front	Side	Box Qty.
70004605	1 x Ø 60 mm. Hole	2 x 404016ST06 1x16 Socket Outlet - IP44	1
71214605	1 x 406533 5x63 IP44 Flanged Socket Angled	2 x 404016ST06 1x16 Socket Outlet - IP44	1

Combination boxes are not ready wired and are not supplied with MCB and/or RCB.
Please contact us for more options.



Various types of combinations are available.

Assembly is free of charge.

(wiring not included)

Please contact us for more options.



290x290x114 mm - 14 Modules - COMBINATION OPTIONS WITH BUSBAR

Product Code	Front 1	Front 2	Side	Box Qty.
7000750405	406521V (3 Units) 5x32 IP44 Flanged Socket Angled		404016ST06 (2 Units) 1x16 Socket Outlet - IP44	1
7000750505	406509V (3 Units) 5x16 IP44 Flanged Socket Angled		404016ST06 (2 Units) 1x16 Socket Outlet - IP44	1
7000750605	406521V (1 Units) 5x32 IP44 Flanged Socket Angled	406509V (1 Units) 5x16 IP44 Flanged Socket Angled	404016ST06 (2 Units) 1x16 Socket Outlet - IP44	1
7000750705	406523V (1 Units) 5x32 IP67 Flanged Socket Angled	407203518Vb (2 Units) 1x16 I Socket Outlet - P68		1
7000750805	406511V (1 Units) 5x32 IP67 Flanged Socket Angled	407203518Vb (2 Units) 1x16 Socket Outlet - P68		1
7000750905	406523V (2 Units) 5x32 IP67 Flanged Socket Angled	407203518Vb (2 Units) 1x16 Socket Outlet - P68		1
7000751005	406521V (2 Units) 5x32 IP44 Flanged Socket Angled		404016ST06 (2 Units) 1x16 Socket Outlet - IP44	1
7000751105	406509V (2 Units) 5x16 IP44 Flanged Socket Angled		404016ST06 (2 Units) 1x16 Socket Outlet - IP44	1

Combination boxes are not ready wired and are not supplied with MCB and/or RCB.

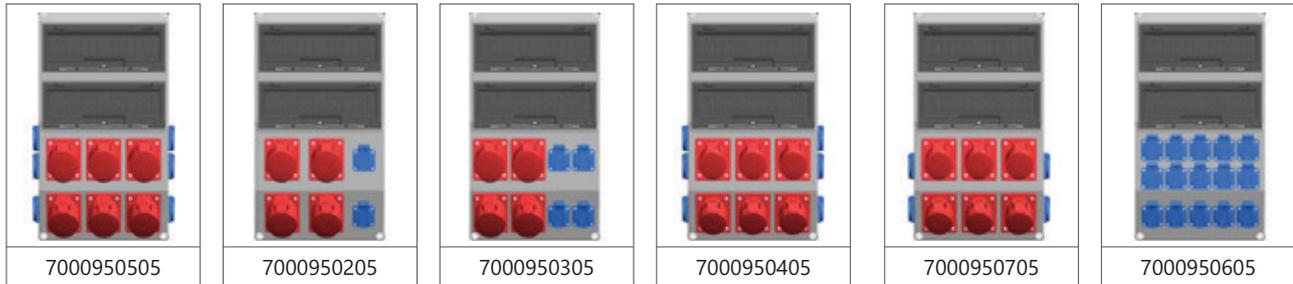




300x540x150 mm - 28 Modules - COMBINATION OPTIONS WITH BUSBAR

Product Code	Front 1	Front 2	Side	Box Qty.
7000950205	406521V (4 Units) 5x32 IP44 Flanged Socket Angled	404016ST06 (2 Units) 1x16 IP67 Socket Outlet - IP44		1
7000950305	406521V (4 Units) 5x32 IP44 Flanged Socket Angled	404016ST06 (4 Units) 1x16 IP67 Socket Outlet - IP44		1
7000950405	406509V (6 Units) 5x16 IP44 Flanged Socket Angled		404016ST06 (6 Units) 1x16 IP67 Socket Outlet - IP44	1
7000950505	406521V (6 Units) 5x32 IP44 Flanged Socket Angled		404016ST06 (6 Units) 1x16 IP67 Socket Outlet - IP44	1
7000950605	404016ST06 (15 Units) 1x16 IP67 Socket Outlet - IP44			1
7000950705	406509V (6 Units) 5x16 IP44 Flanged Socket Angled		404016ST06 (4 Units) 1x16 IP67 Socket Outlet - IP44	1

Combination boxes are not ready wired and are not supplied with MCB and/or RCB.



DRILLED COMBINATIONS OPTIONS

Product Code	Dimensions (mm)	Number of Modules	Front Size Holes	Knockout Cable Gland Size	Box Qty.
402025055656	110x210x206	5	56x56	PG 16-21	1
402025056060	110x210x206	5	60x60	PG 16-21	1
402035056060	210x290x114	10	60x60 (2 Units)	PG 16-21-29	1
402035056073	210x290x114	10	60x73 (2 Units)	PG 16-21-29	1



402025055656



402025056060



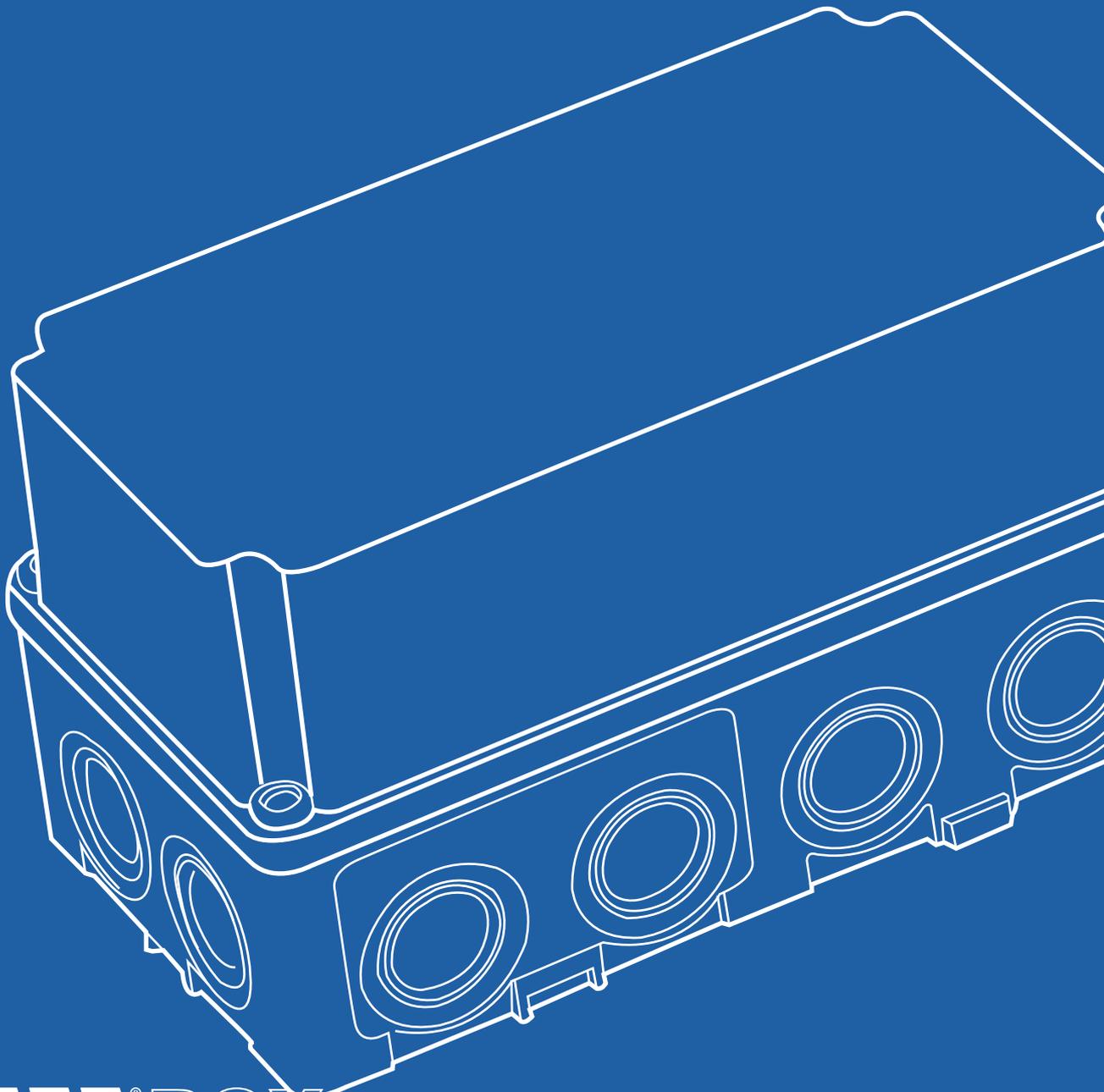
402035056060



402035056073

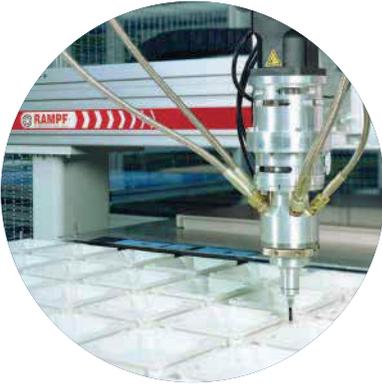






MEET BOX
thermoplastic/aluminium enclosures

THERMOPLASTIC & ALUMINUM ENCLOSURES



Automated gasket filling technology (FIPFG)*



Stainless Steel Screws



Liquid gaskets for IP67/68



Inner earthing connection

Our aluminium enclosures and push button boxes provide IP67 / IP68 protection.

Carried out with CNC controlled sealing machine polyurethane material poured into the product and with chemical reaction it is swollen in the channel without forming a joint assuring watertightness.

In this case, the protection degree is reached every time under the same quality conditions provided.



All our enclosures can be drilled or cut according to your drawings.

ALUMINIUM ENCLOSURES

Protection Degree	IP67 / IP68
Impact Resistance	IK 09
Operation Temperature	-25 °C / +60 °C
Colour	Grey RAL 7040
Gasket	PU
Screws	Stainless Steel
Earthing	Both on Cover & Base

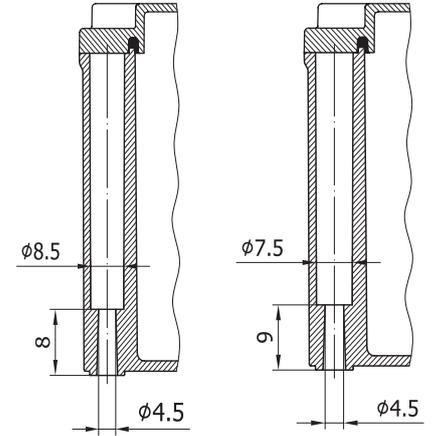
*Formed in Place Foam Gasketing



ALUMINIUM ENCLOSURES

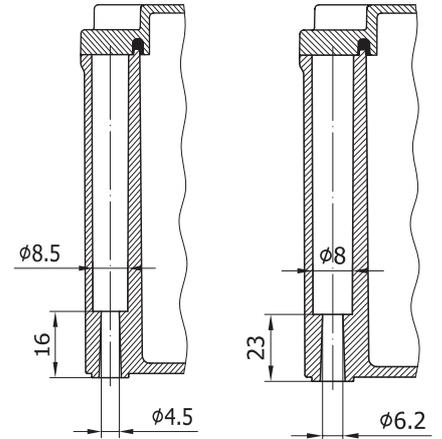
Product Code	Dimension (mm)	Surface Mounting Screw Type	IP Degree	Box Qty.
402502	65x65x40	Type B	IP67	25
402503	65x100x40	Type B	IP67	20
402504	80x80x60	Type B	IP67	44
402554	80x80x73	Type B	IP67	36
402505	80x130x60	Type B	IP67	28
402555	80x130x73	Type B	IP67	20
402506	100x100x73	Type A	IP67	24
402556	100x100x90	Type A	IP67	12
402508	100x100x73	Type A	IP67	20
402507	80x170x60	Type B	IP67	18
402510	80x170x73	Type B	IP67	18
402509	80x230x73	Type B	IP67	12
402558	100x160x80	Type B	IP67	8
402560	100x200x80	Type B	IP67	12
402562	120x220x90	Type C	IP67	9
402511	130x130x90	Type C	IP67	12
402512	130x190x90	Type C	IP67	10
402514	130x230x90	Type C	IP67	89
402564	140x200x90	Type C	IP67	6
402516	160x160x90	Type C	IP67	4
402517	160x260x90	Type C	IP67	4
402517H	160x260x90 (With Hinge)	Type C	IP67	6
402518	170x190x90	Type C	IP67	5
402540	180x180x100	Type C	IP67	4
402542	180x280x100	Type C	IP67	3
402520	190x250x90	Type C	IP67	3
402520H	190x250x90 (With Hinge)	Type C	IP67	3
402521	190x250x110	Type C	IP67	3
402521H	190x250x110 (With Hinge)	Type C	IP67	3
402522	190x350x90	Type C	IP67	3
402522H	190x350x90 (With Hinge)	Type C	IP67	3
402523	230x330x140	Type C	IP67	3
402524	250x250x110	Type C	IP67	3
402524H	250x250x110 (With Hinge)	Type D	IP67	3
402530	310x400x140	Type D	IP67	2
402530H	310x400x140 (With Hinge)	Type D	IP67	2
29980	Hinge Set (402517/402520/402521/402522)		IP67	
29981	Hinge Set (402524/402530)		IP67	

Enclosure Surface Mounting Screw Types



Type A

Type B



Type C

Type D



EX-PROOF ALUMINIUM ENCLOSURES

Product Code	Dimension (mm)	Surface Mounting Screw Type	IP Degree
AExe-402556	ATEX Aluminium Enclosure 100x100x90	Type A	IP67
AExe-402511	ATEX Aluminium Enclosure 130x130x90	Type C	IP67
AExe-402516	ATEX Aluminium Enclosure 160x160x90	Type C	IP67



ATEX
IP67

Suitable for use in:

Zone 1-2 Gas environment
Zone 21-22 Dusty environment



AExe - 402516
Zone 1-2/21-22



AExe - 402511
Zone 1-2/21-22



AExe - 402556
Zone 1-2/21-22

Application Areas:

- Shipyards and shipbuilding
- Treatment plants
- Metro and tunnels
- Energy plant facilities and cogeneration
- Waste and sewage
- Mining facilities

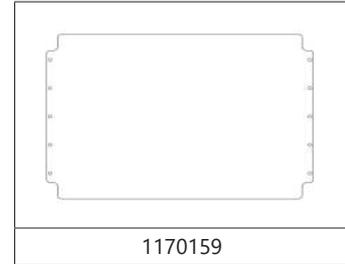
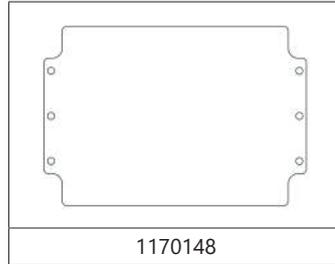
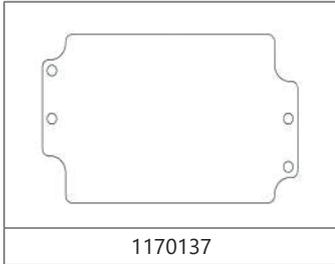


Certification:

II 2G Ex eb IIC T6 Gb
II 2D Ex tb IIIC T (85 °C) Db, IP 67

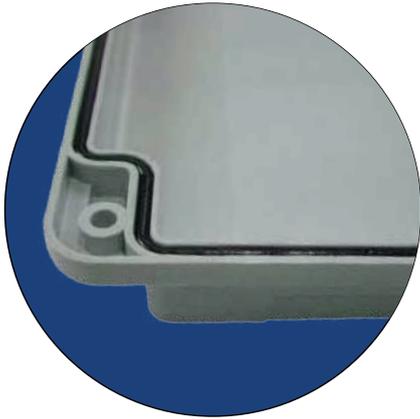
ALUMINIUM ENCLOSURES - GALVANIZED MOUNTING PLATES

Product Code	Dimension (mm)	Thickness (mm)
1170137	80x130	1,5
1170138	80x170	1,5
1170139	80x230	1,5
1170140	100x100	1,5
1170141	100x130	1,5
1170142	100x160	1,5
1170143	100x200	1,5
1170144	120x220	1,5
1170145	130x130	1,5
1170146	130x190	1,5
1170147	130x230	1,5
1170148	140x200	1,5
1170149	160x160	1,5
1170150	160x260	1,5
1170151	170x190	1,5
1170152	170x190	1,5
1170153	180x180	1,5
1170155	180x280	1,5
1170156	190x250	1,5
1170157	190x350	2,0
1170158	250x250	2,0
1170159	310x400	2,0





• Durable fixing brackets increase IP Degree.



• Wide interior space provides easier assembly.

All of our enclosure range can reach up to IP67 protection degree thanks to the newest technique for gasketing which is known as Formed in Place Foam Gasketing. (FIPFG)



All our enclosures can be customized according to your drawings.



Cable Glands

- Protection degree IP55.
- Fits tight through cable entries.
- Flexible raw material enables to surround the cable perfectly.
- Long life raw material resistant to different weather conditions.

THERMOPLASTIC ENCLOSURES

Material	ABS
Protection Degree	IP44 / IP66 / IP67
Impact Resistance	IK 06
Temperature Range	-25 °C / +60 °C
Flammability	Base: 650 °C
Color	Grey RAL 7035 (for more colours please contact us)
Transparent Covers	Polycarbonate

Thermoplastic Enclosures are available with knockout cable glands or smooth walls

Thermoplastic Enclosures and ABS Panels are available with or without UV Protection

SMOOTH WALL OPTIONS



Sides with knock out cable gland
(Standard Enclosures)



Sides without knock out cable gland

Options:

- 01** : All sides are smooth e.g. 402025**01**05
- 02** : Long sides are smooth e.g. 402025**02**05
- 03** : Short sides are smooth e.g. 402025**03**05



COMBINATION BOXES

Product Code Without UV Protection	Product Code With UV Protection	Dimension (mm)	IP Degree	Box Qty.
40202505	40202505UV	110x210x106 (5 Modules)	IP66	15
40204605	40204605UV	140x210x114 (7 Modules)	IP66	14
40203505	40203505UV	210x290x114 (10 Modules)	IP66	7
40207505	40207505UV	290x290x114 (14 Modules)	IP66	5
40208705	40208705UV	210x440x114 (10 Modules)	IP66	6
40208805	40208805UV	210x440x114 (10 Modules)	IP66	6
40209005	40209005UV	210x440x114 (2x10 Modules)	IP66	6
40209105	40209105UV	210x440x114 (10 Modules)	IP66	6
40209505	40209505UV	300x540x150 (2x14 Modules)	IP66	1
T3950		125x495x110 (6 Units)	IP65	18
T3951		230x506x130 (8 Units)	IP65	6
T3952		330x506x130 (16 Units)	IP65	4
T3974		330x330x130 (16 Units)	IP65	1
T3977		685x330x150 (2x16 Units)	IP65	1



THERMOPLASTIC ENCLOSURES

Product Code Without UV Protection	Product Code With UV Protection	Dimension (mm)	IP Degree	Box Qty.
40200205	40200205UV	60x60x55 ABS Mini Enclosure	IP67	16
40201305	40201305UV	75x75x50		
40200305	40200305UV	Ø80x45 (Press Lid)	IP44	120
40200605	40200605UV	Ø80x45 (Screw Lid)	IP67	120
40200505	40200505UV	90x90x45 (Press Lid)	IP44	120
40201305	40201305UV	85x85x55		
40200805	40200805UV	90x90x45 (Screw Lid)	IP44	120
40200405	40200405UV	90x90x50 (Press Lid)	IP44	120
40200705	40200705UV	100x100x50 (Press Lid)	IP44	85
40201005	40201005UV	110x110x65	IP67	60
40201505	40201505UV	110x150x70	IP67	20
40201705	40201705UV	110x180x70	IP67	20
40204705	40204705UV	150x150x90	IP67	28
40202005	40202005UV	110x210x70	IP67	28
40204005	40204005UV	140x210x90	IP67	18
40205005	40205005UV	210x210x90	IP67	9
40208005	40208005UV	190x240x90	IP67	12
40203005	40203005UV	210x290x90	IP67	9
40207005	40207005UV	290x290x90	IP67	8
40208505	40208505UV	210x440x90	IP67	8
T3953		230x506x130	IP65	6
T3954		330x506x130	IP65	4
T3955		330x180x130	IP65	12
T3956		330x330x130	IP65	6



40200205



40200305



40200505



40203005



T3955

THERMOPLASTIC ENCLOSURES - Deep Cover

Product Code Without UV Protection	Product Code With UV Protection	Dimension (mm)	IP Degree	Box Qty.
40201205	40201205UV	110x110x100	IP67	30
40201605	40201605UV	110x150x120	IP67	26
40201805	40201805UV	110x180x120	IP67	26
40202205	40202205UV	110x210x120	IP67	15
40204205	40204205UV	140x210x140	IP67	12
40205205	40205205UV	210x210x140	IP67	7
40208205	40208205UV	190x240x160	IP67	6
40203205	40203205UV	210x290x140	IP67	6
40207205	40207205UV	290x290x140	IP67	4
40208605	40208605UV	210x440x140	IP67	5



40201205



40202205



40204205



40208205



40208605

THERMOPLASTIC ENCLOSURES - Enclosure with Soft Cable Gland

Product Code Without UV Protection	Product Code With UV Protection	Dimension (mm)	IP Degree	Box Qty.
40201105	40201105UV	110x110x65	IP65	60



THERMOPLASTIC ENCLOSURES - Transparent Cover

Product Code Without UV Protection	Product Code With UV Protection	Dimension (mm)	IP Degree	Box Qty.
40201507	40201507UV	110x150x70	IP67	40
40201707	40201707UV	110x180x70	IP67	40
40202007	40202007UV	110x210x70	IP67	28
40204007	40204007UV	140x210x90	IP67	18
40205007	40205007UV	210x210x90	IP67	9
40208007	40208007UV	190x240x90	IP67	12
40203007	40203007UV	210x290x90	IP67	9
40207007	40207007UV	290x290x90	IP67	8



THERMOPLASTIC ENCLOSURES - Deep Transparent Cover

Product Code Without UV Protection	Product Code With UV Protection	Dimension (mm)	IP Degree	Box Qty.
40201207	40201207UV	110x110x100	IP67	30
40201607	40201607UV	110x150x120	IP67	26
40201807	40201807UV	110x180x120	IP67	26
40202207	40202207UV	110x210x120	IP67	15
40204207	40204207UV	140x210x140	IP67	12
40205207	40205207UV	210x210x140	IP67	7
40208207	40208207UV	190x240x160	IP67	6
40203207	40203207UV	210x290x140	IP67	6
40207207	40207207UV	290x290x140	IP67	4



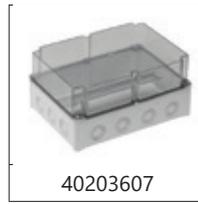
THERMOPLASTIC ENCLOSURES FOR TERMINAL - Deep Cover

Product Code Without UV Protection	Product Code With UV Protection	Dimension (mm)	IP Degree	Box Qty.
40202305	40202305UV	110x210x120	IP67	15
40203605	40203605UV	210x290x140	IP67	6



THERMOPLASTIC ENCLOSURES FOR TERMINAL - Deep Transparent Cover

Product Code Without UV Protection	Product Code With UV Protection	Dimension (mm)	IP Degree	Box Qty.
40202307	40202307UV	110x210x120	IP67	15
40203607	40203607UV	210x290x140	IP67	6



SURFACE MOUNTING DISTRIBUTION BOXES

Product Code Without UV Protection	Product Code With UV Protection	Dimension (mm)	IP Degree	Box Qty.
40204505	40204505UV	140x210x114 (10 Units)	IP66	15
40205505	40205505UV	210x290x114 (2x10 Units)	IP66	7
40206005	40206005UV	210x290x140 (14 Units)	IP66	6
40208905	40208905UV	210x440x114 (3x10 Units)	IP66	6
T3964		180x330x150 (13 Units)	IP65	12
T3965		180x330x150 (2x3 Units)	IP65	12
T3904-T		217x141x105 (4 Units)	IP65	32
T3908-T		235x217x105 (8 Units)	IP65	16
T3912-T		307x217x105 (12 Units)	IP65	12
T3926-T		307x409x115 (26 Units)	IP65	5
T3942-T		326x563x150 (42 Units)	IP65	4





- Stainless steel screws for cover
- Galvanized mounting plate
- Plastic lock system
- Enclosure design for installation of DIN rails and terminals
- Suitable for the assembly of low voltage switchgear equipment

WATERPROOF PLASTIC BOARD

Material	ABS
Protection Degree	IP5
Impact Resistance	IK 10
Temperature Range	-25 °C / +60 °C
Flammability	GWT: 650 °C GWT HF: 960 °C
Color	Grey RAL 7035
Transparent Covers	Polycarbonate
Gasket	Polyurethane (PU)
Screws	Nickel Plated

WATERPROOF PLASTIC BOARDS - ABS - Opaque

Product Code	Dimension (mm)	IP Degree	Box Qty.
50000105	200x300x130	IP65	1
50000205	250x350x150	IP65	1
50000305	300x400x170	IP65	1
50000405	300x400x220	IP65	1
50000505	350x500x190	IP65	1
50000605	400x500x180	IP65	1
50000705	400x500x240	IP65	1
50000805	400x600x200	IP65	1
50000905	500x700x250	IP65	1
50001005	600x800x260	IP65	1
50001105	500x600x220	IP65	1



WATERPROOF PLASTIC BOARDS - ABS/PC - Transparent

Product Code	Dimension (mm)	IP Degree	Box Qty.
50002107	200x300x130	IP65	1
50002207	250x350x150	IP65	1
50002307	300x400x170	IP65	1
50002407	300x400x220	IP65	1
50002507	350x500x190	IP65	1
50002607	400x500x180	IP65	1
50002707	400x500x240	IP65	1
50002807	400x600x200	IP65	1
50002907	500x700x250	IP65	1
50003007	600x800x220	IP65	1
50003107	500x600x220	IP65	1



MODULAR DISTRIBUTION BOARDS - ABS - Opaque

Product Code	Dimension (mm)	IP Degree	Box Qty.
50005105	250x350x150 (9x2 ABS Modular Distribution Board)	IP65	1
50006305	300x400x170 (12x2 ABS Modular Distribution Board)	IP65	1
50005205	350X500X190 (14X3 ABS Modular Distribution Board)	IP65	1
50006805	400X600X200 (17X4 ABS Modular Distribution Board)	IP65	1



50005105



50005205

MODULAR DISTRIBUTION BOARDS - ABS/PC - Transparent

Product Code	Dimension (mm)	IP Degree	Box Qty.
50005307	250x350x150 (9x2 ABS Modular Distribution Board)	IP65	1
50006407	300x400x170 (12x2 ABS Modular Distribution Board)	IP65	1
50005407	350X500X190 (14X3 ABS Modular Distribution Board)	IP65	1
50006907	400X600X200 (17X4 ABS Modular Distribution Board)	IP65	1



50005307



50005407

WATERPROOF PLASTIC BOARDS - ABS - Opaque

UV PROTECTION

Product Code	Dimension (mm)	IP Degree	Box Qty.
50000135	200x300x130	IP65	1
50000235	250x350x150	IP65	1
50000335	300x400x170	IP65	1
50000435	300x400x220	IP65	1
50000535	350x500x190	IP65	1
50000635	400x500x180	IP65	1
50000735	400x500x240	IP65	1
50000835	400x600x200	IP65	1
50000935	500x700x250	IP65	1
50001035	600x800x260	IP65	1
50001135	500x600x220	IP65	1



WATERPROOF PLASTIC BOARDS - ABS/PC - Transparent

UV PROTECTION

Product Code	Dimension (mm)	IP Degree	Box Qty.
50002137	200x300x130	IP65	1
50002237	250x350x150	IP65	1
50002337	300x400x170	IP65	1
50002437	300x400x220	IP65	1
50002537	350x500x190	IP65	1
50002637	400x500x180	IP65	1
50002737	400x500x240	IP65	1
50002837	400x600x200	IP65	1
50002937	500x700x250	IP65	1
50003037	600x800x260	IP65	1
50003137	500x600x220	IP65	1





WATERPROOF DISTRIBUTION BOARDS - ABS - Opaque

UV PROTECTION

Product Code	Dimension (mm)	IP Degree	Box Qty.
50005135	250x350x150 (9x2 ABS Modular Distribution Board)	IP65	1
50006335	300x400x170 (12x2 ABS Modular Distribution Board)	IP65	1
50005235	350x500x190 (14x3 ABS Modular Distribution Board)	IP65	1
50006835	400x600x200 (17x4 ABS Modular Distribution Board)	IP65	1



WATERPROOF DISTRIBUTION BOARDS - ABS/PC - Transparent

UV PROTECTION

Product Code	Dimension (mm)	IP Degree	Box Qty.
50005337	250x350x150 (9x2 ABS Modular Distribution Board)	IP65	1
50006437	300x400x170 (12x2 ABS Modular Distribution Board)	IP65	1
50005437	350x500x190 (14x3 ABS Modular Distribution Board)	IP65	1
50006937	400x600x200 (17x4 ABS Modular Distribution Board)	IP65	1



DISTRIBUTION BOARD ACESORIES

Product Code	Description	Box Qty.
50017905	Lock Core Kit	1
50018005	Panel Wall Mounting Device (Set Of 4) 1	1
50018105	Plastic Triangle Key 1	1
50018205	Panel Separator Fastening Screw 1	1

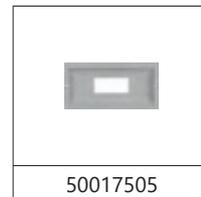


GALVANIZED MOUNTING PLATES (mm)

Product Code	Dimension (mm)	Thickness	Product Code	Dimension (mm)	Thickness
500160	200X300X130	0,80 mm	500166	400X500X240	0,80 mm
500161	250X350X150	0,80 mm	500167	400X600X200	1,00 mm
500162	300X400X170	0,80 mm	500168	500X600X220	0,80 mm
500163	300X400X220	0,80 mm	500169	500X700X250	1,00 mm
500164	350X500X190	0,80 mm	500170	600X800X260	1,00 mm
500165	400X500X180	0,80 mm			

MODULAR KITS AND SEPERATORS

Product Code	Description
50017105	250X350X150 Modular Enclosure Mounting Dinrail + Plastic Curtain 18 (9x2)
50017205	300X400X170 Modular Enclosure Mounting Dinrail + Plastic Curtain 24 (12x2)
50017305	350X500X190 Modular Enclosure Mounting Dinrail + Plastic Curtain 45 (14x3)
50017405	400X600X200 Modular Enclosure Mounting Dinrail + Plastic Curtain 60 (17x4)
50017505	250X350X150 Plastic Curtain for (9x2)
50017605	300X400X170 Plastic Curtain for (12x2)
50017705	350X500X190 Plastic Curtain for (14x3)
50017805	400X600X200 Plastic Curtain for (17x4)



THERMOPLASTIC CONTROL STATIONS - IP44

Product Code	Dimension (mm)	Box Qty.
4021010508	70x70x67 (1 x 23 mm Ø Hole Emergency Stop (Yellow))	16
4021010504	70x70x67 (1 x 23 mm Ø Hole)	16
4021020504	70x110x67 (2 x 23 mm Ø Holes)	12
4021030504	70x190x67 (3 x 23 mm Ø Holes)	8
4021040504	70x190x67 (4 x 23 mm Ø Holes)	8
2939808	(Shroud (Yellow) 23 mm Ø)	25

THERMOPLASTIC CONTROL STATIONS - IP67

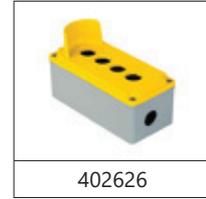
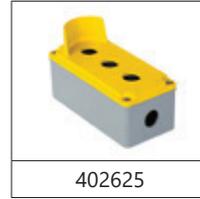
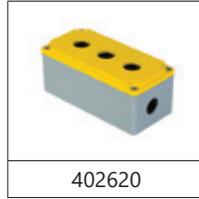
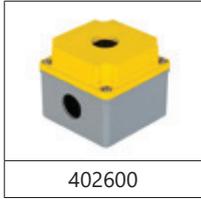
Product Code	Dimension (mm)	Box Qty.
4021110508	70x70x67 (1 x 23 mm Ø Hole Emergency Stop (Yellow))	16
4021110504	70x70x67 (1 x 23 mm Ø Hole)	16
4021120504	70x110x67 (2 x 23 mm Ø Holes)	12
4021130504	70x190x67 (3 x 23 mm Ø Holes)	8
4021140504	70x190x67 (4 x 23 mm Ø Holes)	8
2939908	(Shroud (Yellow) 23 mm Ø)	25



ALUMINIUM CONTROL STATIONS - IP67

Product Code	Dimension (mm)	Box Qty.
402600	80x80x73 (1 x 22,5 mm Ø Hole)	36
402610	80x130x73 (2 x 22,5 mm Ø Holes)	20
402620	80x170x73 (3 x 22,5 mm Ø Holes)	18
402621	80x170x73 (4 x 22,5 mm Ø Holes)	18
402630	80x230x73 (5 x 22,5 mm Ø Holes)	12
402631	80x230x73 (6 x 22,5 mm Ø Holes)	12
402605	80x80x73 (With Shroud 1 x 22,5 mm Ø Hole)	24
402615	80x130x73 (With Shroud 2 x 22,5 mm Ø Holes)	12
402625	80x170x73 (With Shroud 3 x 22,5 mm Ø Holes)	10
402626	80x170x73 (With Shroud 4 x 22,5 mm Ø Holes)	10
402635	80x230x73 (With Shroud 5 x 22,5 mm Ø Holes)	8
402636	80x230x73 (With Shroud 6 x 22,5 mm Ø Holes)	8

For gray color option in cover please contact us.



ACCESSORIES

Product Code	Description	IP Degree	Box Qty.
2019605	Soft Cable Gland (90x90x50 mm for Thermoplastic Enclosure)	IP54	-
2990106	6 Slots neutral isolated busbar - Blue	-	-
2990108	6 Slots neutral isolated busbar - Yellow	-	-
2990206	10 Slots neutral isolated busbar - Blue	-	-
2990208	10 Slots neutral isolated busbar - Yellow	-	-
2005805	Joint Part (PG 29)	-	-
20013	Fixing Bracket (30x38)	-	-
20040	Fixing Bracket (60x60)	-	-
20040P	Fixing Bracket (56x56)	-	-
20041	Fixing Bracket (70x70)	-	-
2034904	Fixing Bracket (60x73)	-	-
2001104	Fixing Bracket (Multifunctional)	-	-
TSPTA-12	Neutral and Earth Terminal Bar (2x16 mm ² + 12x10 mm ²)	-	-
2002707	110x210x106 mm Distribution Box Cover	-	-
2003707	210x290x114 mm Distribution Box Cover	-	-



SOFT CABLE GLANDS

Product Code	Description	IP Degree	Box Qty.
20054	PG 16 Cable Gland	IP55	-
20055	PG 21 Cable Gland	IP55	-
20056	PG 29 Cable Gland	IP55	-

Color Coding

-02
-04
-05



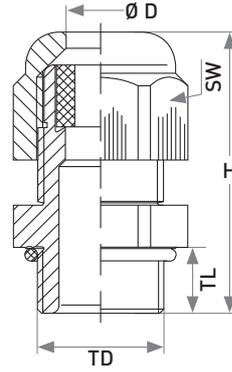
CABLE GLANDS

Product Code	Description	IP Degree	Box Qty.
50101	PG 7 Plastic	IP68	400
50102	PG 9 Plastic	IP68	300
50103	PG 11 Plastic	IP68	200
50104	PG 13,5 Plastic	IP68	150
50105	PG 16 Plastic	IP68	125
50106	PG 21 Plastic	IP68	75
50107	PG 29 Plastic	IP68	30
50108	PG 36 Plastic	IP68	20
50109	PG 42 Plastic	IP68	15
50110	PG 48 Plastic	IP68	10
50502	M12x1.5 Plastic	IP68	200
50503	M16x1.5 Plastic	IP68	150
50504	M20x1.5 Plastic	IP68	100
50505	M25x1.5 Plastic	IP68	100
50506	M32x1.5 Plastic	IP68	100
50507	M40x1.5 Plastic	IP68	50
50508	M50x1.5 Plastic	IP68	25
50509	M63x1.5 Plastic	IP68	10
50201	PG 7 Metal	IP68	400
50202	PG 9 Metal	IP68	300
50203	PG 11 Metal	IP68	200
50204	PG 13,5 Metal	IP68	150
50205	PG 16 Metal	IP68	125
50206	PG 21 Metal	IP68	75
50207	PG 29 Metal	IP68	30
50208	PG 36 Metal	IP68	20
50209	PG 42 Metal	IP68	15
50210	PG 48 Metal	IP68	10
50602	M12x1.5 Metal	IP68	200
50603	M16x1.5 Metal	IP68	150
50604	M20x1.5 Metal	IP68	100
50605	M25x1.5 Metal	IP68	100
50606	M32x1.5 Metal	IP68	100
50607	M40x1.5 Metal	IP68	50
50608	M50x1.5 Metal	IP68	25
50609	M63x1.5 Metal	IP68	10



Polyamide Cable Gland

Material : Polyamide 6
 Certificate : GOST, CE
 Working Temperature : -30°C to 80°C
 Protection Class : IP 68,5 bar
 Seal : Chloroprene
 Colour : Gray, Black

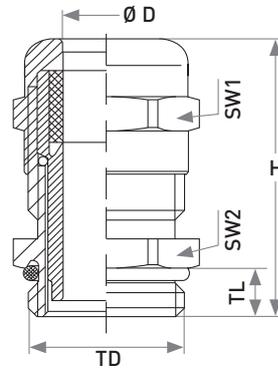


PG Size	TD (mm)	TL (mm)	SW (mm)	Max H. (mm)	D (mm)	Cable Diameter Min-Max (mm)
PG-7	13,0	8,0	15,0	22,0	17,1	3,0 - 6,5
PG-9	16,0	8,0	19,0	25,0	21,6	4,0 - 8,0
PG-11	19,0	8,0	22,0	28,0	25,0	5,0 - 10,0
PG-13,5	21,0	9,0	24,0	29,0	27,8	6,0 - 12,0
PG-16	23,0	10,0	27,0	31,0	30,8	10,0 - 14,0
PG-21	29,0	11,0	33,0	35,0	37,8	13,0 - 18,0
PG-29	37,0	11,0	42,0	40,0	48,0	18,0 - 25,0
PG-36	47,0	13,0	53,0	49,0	60,0	22,0 - 32,0
PG-42	54,0	13,0	60,0	49,0	67,7	30,0 - 38,0
PG-48	59,0	14,0	65,0	49,0	72,2	34,0 - 44,0

Metric Size	TD (mm)	TL (mm)	SW (mm)	Max H. (mm)	D (mm)	Cable Diameter Min-Max (mm)
M 12x1,5	12,0	8,0	15,0	22,0	17,1	3,0 - 6,5
M 16x1,5	16,0	10,0	22,0	28,0	25,0	5,0 - 10,0
M 20x1,5	20,0	10,0	24,0	29,0	27,8	6,0 - 12,0
M 25x1,5	25,0	10,0	33,0	35,0	37,8	13,0 - 18,0
M 32x1,5	32,0	18,0	42,0	40,0	48,0	18,0 - 25,0
M 40x1,5	40,0	18,0	53,0	49,0	60,0	22,0 - 32,0
M 50x1,5	50,0	18,0	60,0	49,0	67,7	30,8 - 38,0
M 63x1,5	63,0	18,0	65,0	49,0	72,2	34,0 - 44,0

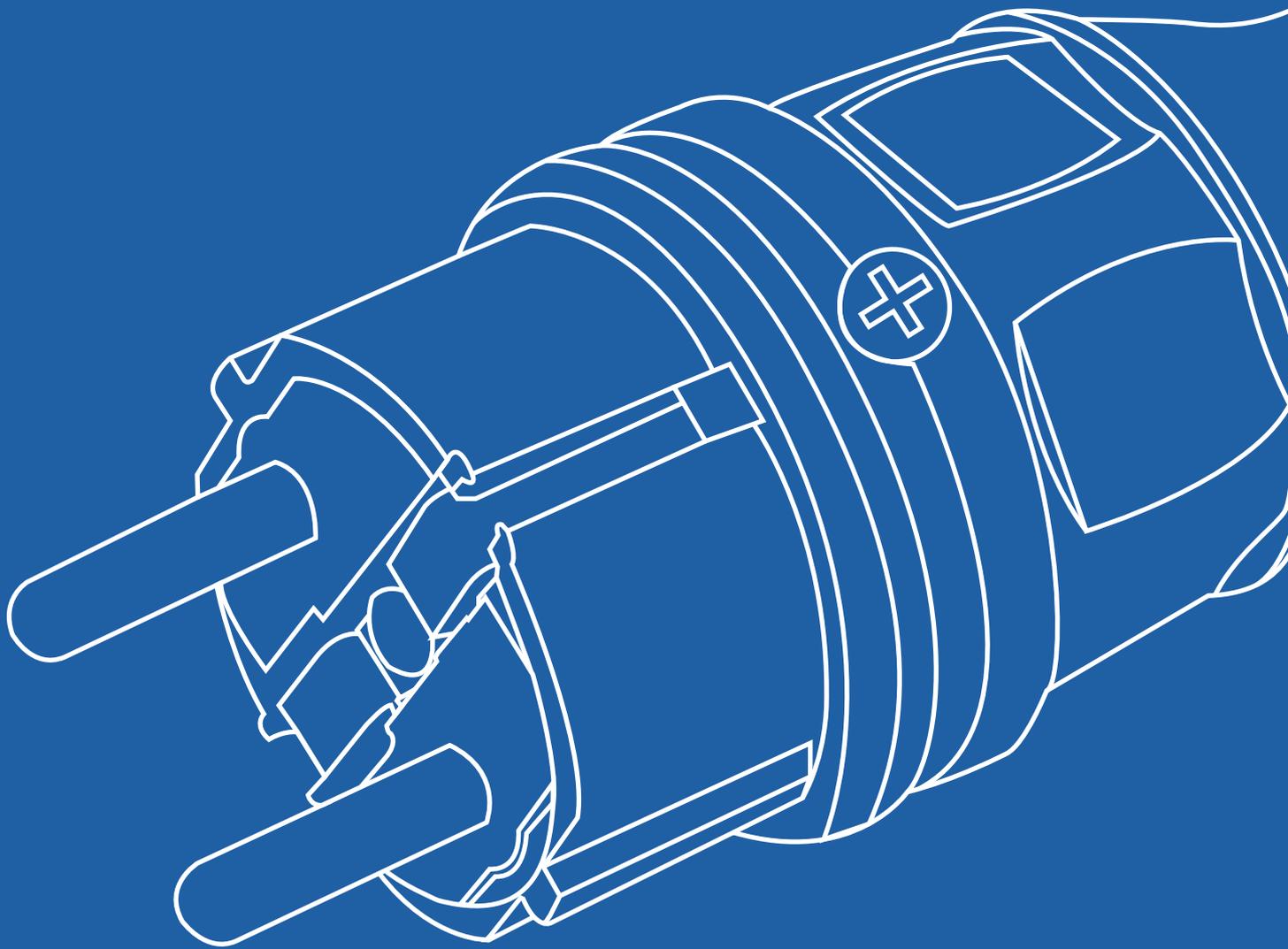
Metal Cable Gland IP68

Material : Nickel plated brass
 Certificate : GOST, CE
 Working Temperature : -40°C to 100°C
 Protection Class : IP 68
 Seal Ring : Chloroprene
 O-ring : NBR



PG Size	TD (mm)	TL (mm)	SW1 (mm)	SW2 (mm)	Max H. (mm)	D (mm)	Cable Diameter Min-Max (mm)
PG-7	12,5	6,0	14,0	14,0	21,8	15,4	3,0 - 6,5
PG-9	15,2	6,0	17,0	17,0	22,6	18,7	4,0 - 8,0
PG-11	18,6	6,0	20,0	20,0	25,3	22,0	5,0 - 10,0
PG-13,5	20,4	6,5	22,0	22,0	24,1	24,2	6,0 - 12,0
PG-16	22,5	6,5	24,0	24,0	27,5	26,4	10,0 - 14,0
PG-21	28,3	7,2	30,0	30,0	31,2	33,0	13,0 - 18,0
PG-29	37,0	8,0	40,0	40,0	39,3	44,0	18,0 - 25,0
PG-36	47,0	9,0	50,0	50,0	47,2	55,0	22,0 - 32,0
PG-42	54,0	12,0	58,0	58,0	47,7	63,8	30,0 - 38,0
PG-48	59,3	14,0	64,0	64,0	52,0	70,4	34,0 - 44,0

Metric Size	TD (mm)	TL (mm)	SW1 (mm)	SW2 (mm)	Max H. (mm)	D (mm)	Cable Diameter Min-Max (mm)
M 12x1,5	12,0	6,0	14,0	14,0	21,5	15,4	3,0 - 6,5
M 16x1,5	16,0	7,0	17,0	18,0	23,0	19,8	4,0 - 8,0
M 16x1,5	16,0	7,0	20,0	20,0	24,0	22,0	4,5 - 10,0
M 20x1,5	20,0	8,0	22,0	22,0	24,3	24,2	6,0 - 12,0
M 25x1,5	25,0	8,0	24,0	27,0	27,6	29,7	10,0 - 14,0
M 25x1,5	25,0	8,0	30,0	30,0	29,5	33,0	12,0 - 18,0
M 32x1,5	32,0	9,0	30,0	34,0	31,2	37,4	13,0 - 18,0
M 32x1,5	32,0	8,0	40,0	40,0	35,0	41,8	17,0 - 24,0
M 40x1,5	40,0	9,0	40,0	43,0	38,5	47,3	18,0 - 25,0
M 40x1,5	40,0	8,0	50,0	50,0	42,0	55,0	22,0 - 32,0
M 50x1,5	50,0	9,0	50,0	55,0	47,3	60,5	22,0 - 32,0
M 50x1,5	50,0	9,0	57,0	57,0	49,0	62,7	29,0 - 40,0
M 63x1,5	63,0	14,0	64,0	68,0	50,3	74,8	34,0 - 44,0
M 63x1,5	63,0	10,0	75,0	75,0	54,0	82,5	37,0 - 53,0



METE[®]SOLID
rubber plugs and sockets

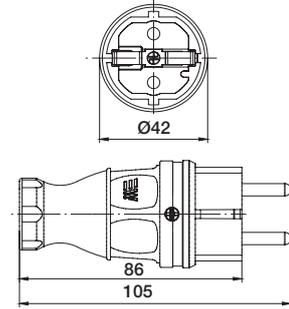
RUBBER PLUGS & SOCKETS

General Features of Plugs



404001

- IP44 Protection Degree
- For Toughest Conditions
- Durable Rubber
- Double Earth System
- Easy To Use
- Solid Design
- Time Saving Easy Installation
- Wide Connection Range

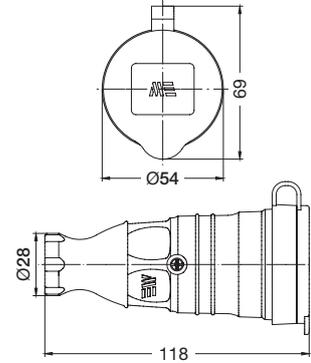


Sockets



404010

- IP44 Protection Degree
- For Toughest Conditions
- Durable Rubber
- Double Earth System
- Easy To Use
- Solid Design
- Time Saving Easy Installation
- Wide Connection Range



INSERTS

Material	PA6
Poles	2P+E
Electrical Data	16A 250V
Rated Current	16A
Voltage	250V
Impact Resistance	2 kV
Isolation Resistance	$\geq 5^{10} \Omega$
Flammability acc. to UL 94	V0
Mechanical Operating Life	≥ 10.000

CONTACTS

Material	Brass
Surface	Nickel Plate
Contact Resistance	$\geq 1m \Omega$
Connection Type	Screw Connection

HOUSINGS

Material	TPE
Protection Degree	IP44



1x16A (2P+E) - 250 V RUBBER PLUGS AND SOCKETS | Austrian/German System



Product Code	Description	IP Degree	Box Qty.
404001	Plug	IP44	30
404003	Angled Plug	IP44	30
404005	2 Way Connector	IP44	10
404007	4 Way Connector	IP44	6
404009	Wall Socket Outlet Angled	IP44	8
404010	Connector	IP44	20
404012	Wall Socket Outlet	IP44	20
404014	3 Way Connector	IP44	6
404029	Connector without Cover	IP21X	20



1x16A (2P+E) - 250 V RUBBER PLUGS AND SOCKETS | French/Belgian System



Product Code	Description	IP Degree	Box Qty.
404002	Plug	IP44	30
404004	Angled Plug	IP44	30
404006	2 Way Connector	IP44	10
404008	4 Way Connector	IP44	6
404049	Wall Socket Outlet Angled	IP44	8
404011	Connector	IP44	20
404013	Wall Socket Outlet	IP44	20
404015	3 Way Connector	IP44	6



1x16A (2P+E) - 250 V SOCKETS | Austrian/German System



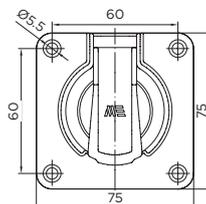
Product Code	Description	Cable Entry	IP Degree	Box Qty.
40402005	Schuko Socket Outlet (Flange: 75x75)	Side	IP44	20
40404005	Schuko Socket Outlet (Flange: 75x75)	Side	IP54	20
40402605	Schuko Socket Outlet (Flange: 75x75)	Back	IP44	20
40404605	Schuko Socket Outlet (Flange: 75x75)	Back	IP54	20



1x16A (2P+E) - 250 V SOCKETS | French/Belgian System

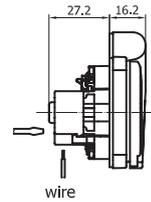
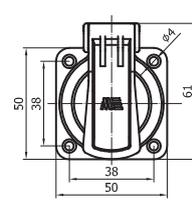
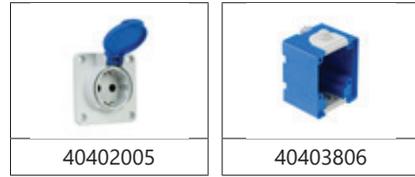


Product Code	Description	Cable Entry	IP Degree	Box Qty.
40402105	Socket Outlet (Flange: 75x75)	Top	IP44	20
40404205	Socket Outlet (Flange: 75x75)	Side	IP54	20

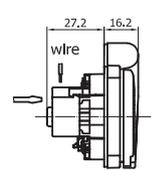
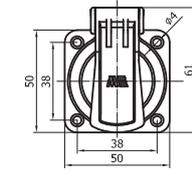


1x16A (2P+E) - 250 V SOCKET OUTLET

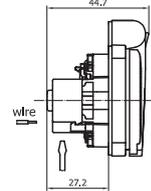
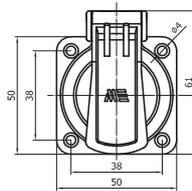
French	IP44	Belgian/French Type	Code	Type	Cable Entry	Box Quantity		
			40401706	Belgian/French	Side	40		
			40401906	Belgian/French	Back	40		
Without Child Protection	IP44	F: 50x50	40402506	Austrian/German	Back	40		
			404016ST06	Austrian/German	Top Side	40		
			404018ST06	Austrian/German	Top Back	40		
		404016SB06	Austrian/German	Bottom Side	40			
		404018SB06	Austrian/German	Bottom Back	40			
		F: 75x75	404020ST06	Austrian/German	Top Side	40		
	404022ST06		Austrian/German	Top Back	40			
	404020SB06		Austrian/German	Bottom Side	40			
	404022SB06	Austrian/German	Bottom Back	40				
	IP54	F: 50x50	40403506	Austrian/German	Back	40		
			404030ST06	Austrian/German	Top Side	40		
			404031ST06	Austrian/German	Top Back	40		
404030SB06			Austrian/German	Bottom Side	40			
404031SB06			Austrian/German	Bottom Back	40			
F: 75x75			404040ST06	Austrian/German	Top Side	40		
		404041ST06	Austrian/German	Top Back	40			
		404040SB06	Austrian/German	Bottom Side	40			
		404041SB06	Austrian/German	Bottom Back	40			
		Child Protection	IP44	F: 50x50	404066ST06	Austrian/German	Top Side	40
					404068ST06	Austrian/German	Top Back	40
404066SB06					Austrian/German	Bottom Side	40	
404068SB06	Austrian/German			Bottom Back	40			
F: 75x75	404070ST06			Austrian/German	Top Side	40		
	404072ST06			Austrian/German	Top Back	40		
	404070SB06		Austrian/German	Bottom Side	40			
404072SB06	Austrian/German		Bottom Back	40				
IP54	F: 50x50		404067ST06	Austrian/German	Top Side	40		
			404069ST06	Austrian/German	Top Back	40		
			404067SB06	Austrian/German	Bottom Side	40		
	404069SB06		Austrian/German	Bottom Back	40			
	F: 75x75	404071ST06	Austrian/German	Top Side	40			
		404073ST06	Austrian/German	Top Back	40			
404071SB06		Austrian/German	Bottom Side	40				
404073SB06	Austrian/German	Bottom Back	40					
Socket Box	20013	40403906	Wall Mounting Socket Box	25				
		40403806	Wall Mounting Socket Box with Din Rail Bracket	25				
			Fixing Bracket (38x38)					



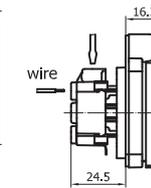
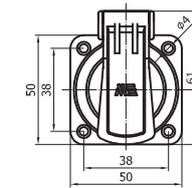
Bottom Side
Cable Entry



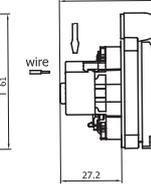
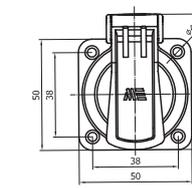
Top Side
Cable Entry



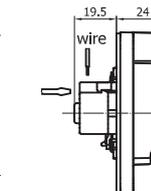
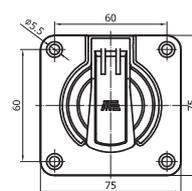
Bottom Back
Cable Entry



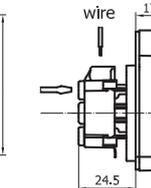
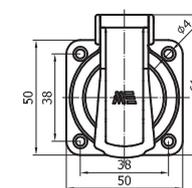
Back
Cable Entry



Top Back
Cable Entry



Top Side
Cable Entry



Side
Cable Entry

Plugs and Sockets IP66/68

PLUG / CONNECTOR

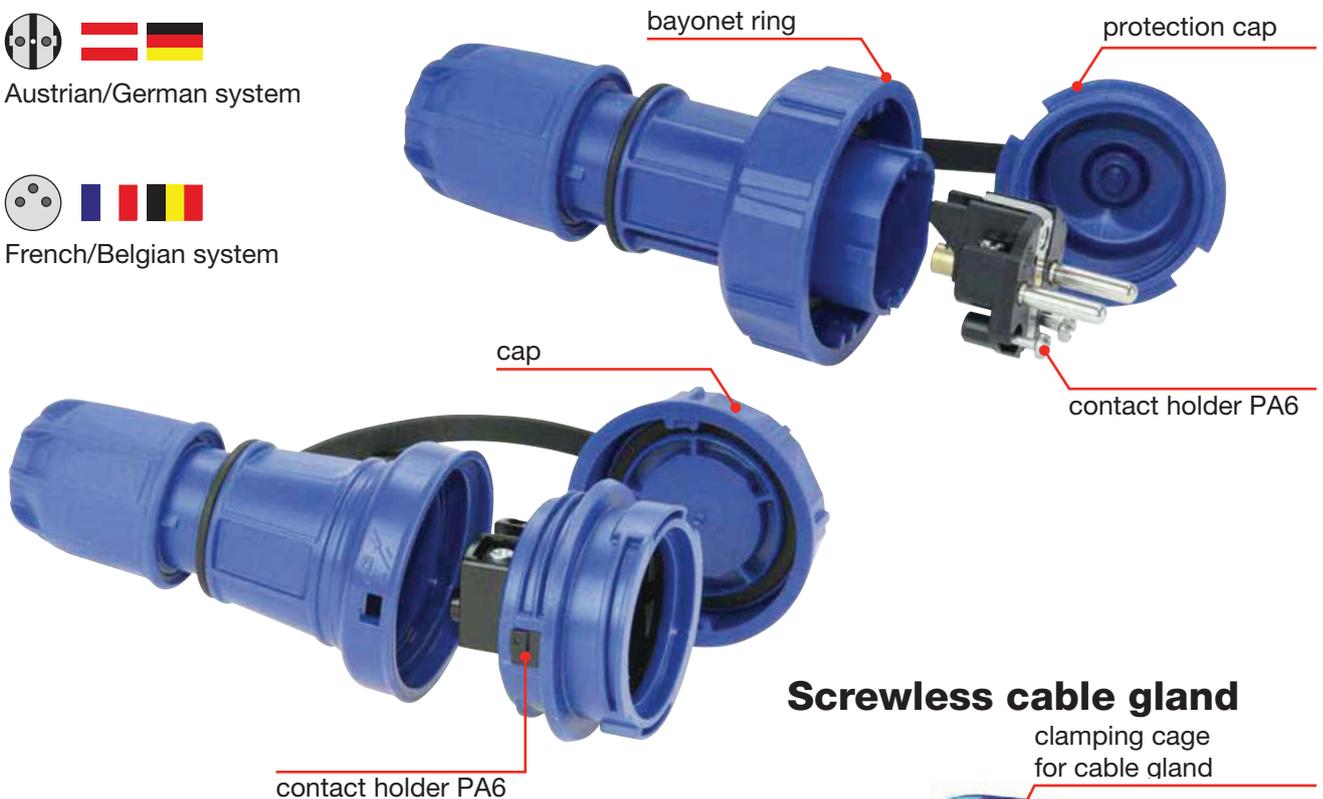
- IP66/68 waterproof up to 2 bar / 2 h •  for severe conditions • with/without shutter



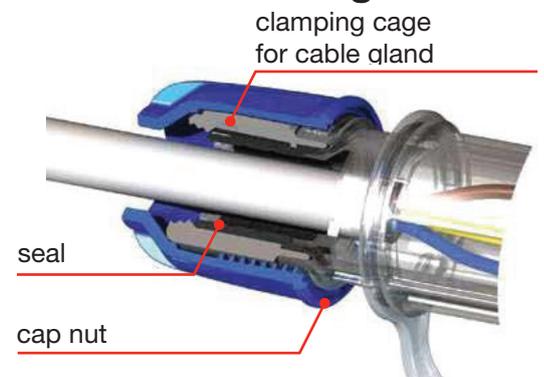
Austrian/German system



French/Belgian system



Screwless cable gland



- Robust design
- Housing material pc/abs
- Protection cover with bayonet
- Contact supporting part of pa6, glow wire test 850°C
- Open contact screw head +/- (Typ H, Size 2)
- Nickel-plated screw terminals
- Cover and cap with elastic band
- Axels and mounting screws in stainless V2A quality
- Two earthing system (plug)
- Very large hinged lid opening angle (~160°)
- Color versions:
 - Blue (sim. Ral5005)

Flanged Socket



IP68 SERIES



1x16A (2P+E) - 250 V RUBBER PLUGS | French/Belgian&Austrian/German System



Product Code	Description	IP Degree	Color
40720051b	Plug	IP68	Blue



1x16A (2P+E) - 250 V CONNECTOR, SOCKET OUTLET | Austrian/German System



Product Code	Description	IP Degree	Color
40720251b	Connector	IP68	Blue
40720251-bc	Connector with Child Protection	IP68	Blue
40720351-8b	Socket Outlet (Flange: 75x75)	IP68	Blue
40720351-8bc	Socket Outlet with Child Protection (Flange: 75x75)	IP68	Blue
40720352-8b	Socket Outlet with Spring Cover (Flange: 75x75)	IP68	Blue
40720352-8bc	Socket Outlet with Spring Cover and Child Protection (Flange: 75x75)	IP68	Blue
40720168g	75x75 mm Flange Wall Mounting Box	IP68	Gray



1x16A (2P+E) - 250 V CONNECTOR, SOCKET OUTLET | French/Belgian System



Product Code	Description	IP Degree	Color
40720241-bc	Connector with Child Protection	IP68	Blue
40720241-b	Connector	IP68	Blue
40720341-8b	Socket Outlet (Flange: 75x75)	IP68	Blue
40720341-8bc	Socket Outlet with Child Protection (Flange: 75x75)	IP68	Blue
40720342-8b	Socket Outlet with Spring Cover (Flange: 75x75)	IP68	Blue
40720342-8bc	Socket Outlet with Spring Cover and Child Protection (Flange: 75x75)	IP68	Blue
40720168g	75x75 mm Flange Wall Mounting Box	IP68	Gray



1x16A (2P+E) - 250 V HAND LAMPS

Product Code	Description	IP Degree	Box Qty.
404050	Hand Lamp	IP44	4
404051	Hand Lamp with Switch	IP44	4
404055	Hand Lamp with 10 m. Cable	IP44	1
404060	Hand Lamp with Switch and 10 m. Cable	IP44	1





16A/250V 3x(2P+E) 3 WAY CONNECTOR WITH HANGING HOLE / 3-POLE CONNECTOR TERMINAL - IP44

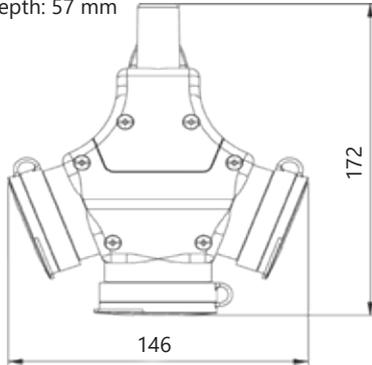
Product Code	Description	Type	Box Qty
25311-s	3 Way Connector with Hanging	Austrian/German	5
24311-s	3 Way Connector with Hanging	French/Belgian	5



16A/250V 3x(2P+E) 3 WAY CONNECTOR WITH HANGING HOLE & CHILD PROTECTION / 3-POLE CONNECTOR TERMINAL - IP44

Product Code	Description	Type	Box Qty
25311-sc	3 Way Connector with Hanging and Child Protection	Austrian/German	5
24311-sc	3 Way Connector with Hanging and Child Protection	French/Belgian	5

Depth: 57 mm



- With cap
 - Insert: Polyamid
 - Ready wired on main terminal
- IP44 splashproof



16A/250V 3x(2P+E) 3 WAY CONNECTOR WITH HANGING HOLE / 5-POLE CONNECTOR TERMINAL - IP44

Product Code	Description	Type	Box Qty
25311-s5	3 Way Connector with Hanging / 5-Pole Connector Terminal	Austrian/German	5



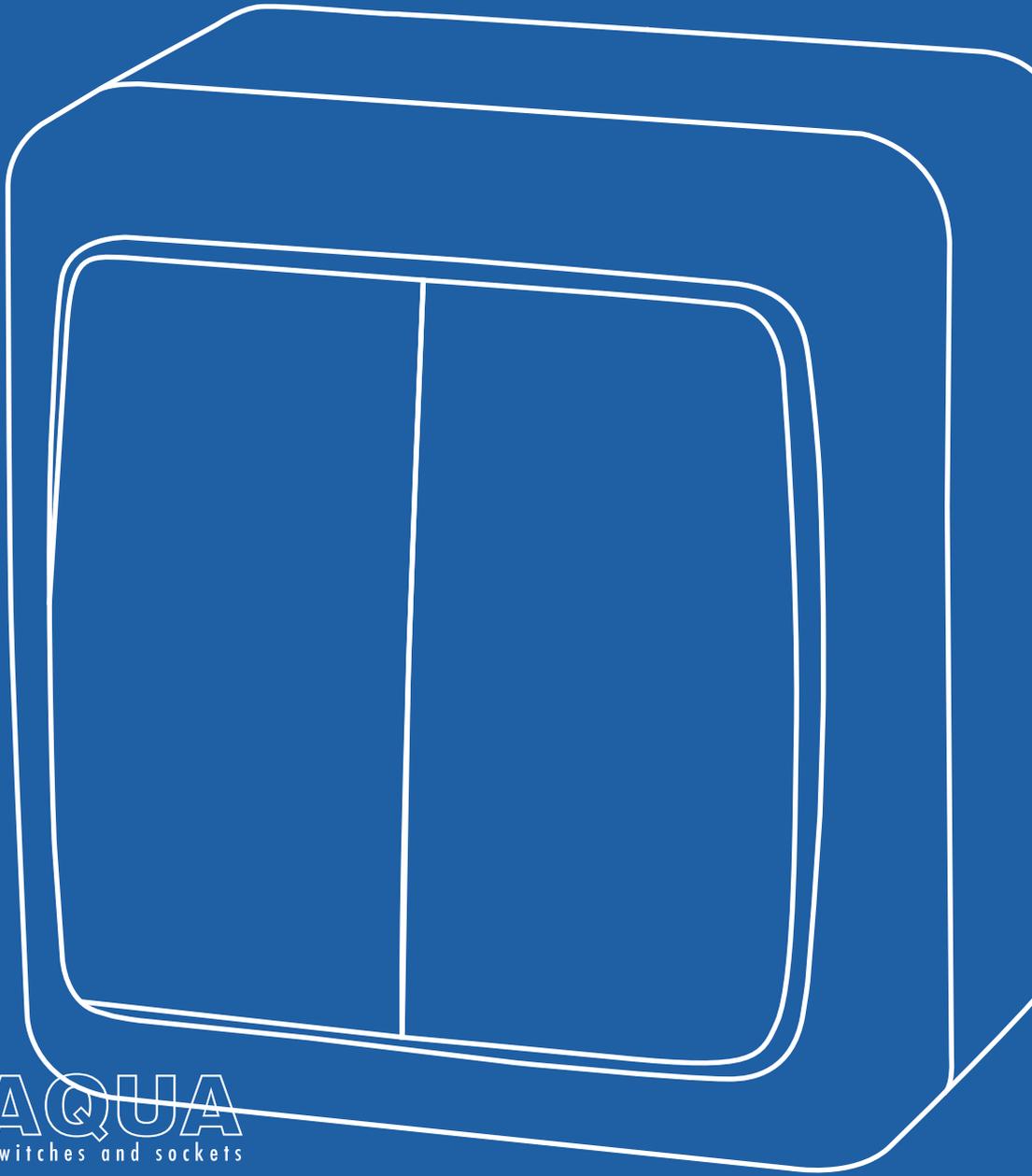
16A/250V 3x(2P+E) 3 WAY CONNECTOR WITH HANGING HOLE AND CHILD PROTECTION / 5-POLE CONNECTOR TERMINAL - IP44

Product Code	Description	Type	Box Qty
24311-s5	3 Way Connector with Hanging / 5-Pole Connector Terminal	French/Belgian	5
24311-sc5	3 Way Connector with Hanging and Child Protection / 5-Pole Connector Terminal	French/Belgian	5



- 5-pole Connector Terminal
 - With Cap
 - Insert: Polyamid
 - Ready Wired on Main Terminal
- IP44 splashproof





METE[®] AQUA
weather proof switches and sockets

WEATHER PROOF SWITCHES & SOCKETS

WEATHER PROOF SWITCHES AND SOCKETS

Product Code	Description	IP Degree	Box Qty.
40500105	One Gang One Way Switch	IP44	24
40500205	Two Gang One Way Switch	IP44	24
40500305	One Gang One Way Control Switch	IP44	24
40500405	Illuminated One Gang One Way Control Switch	IP44	24
40500505	Schuko Socket Outlet	IP44	20
40500705	One Gang Two Way Switch	IP44	24
40501105	Illuminated One Gang One Way Switch	IP44	24
40501305	One Gang One Way Double Pole Switch	IP44	24
40501405	Telephone Outlet	IP44	24
40501505	Satellite Outlet	IP44	24
40501605	Data Outlet	IP44	24
40502505	One Gang One Way Switch + Schuko Socket Outlet	IP44	8
40502605	Two Gang One Way Switch + Schuko Socket Outlet	IP44	8
40502705	One Gang One way Control Switch + Schuko Socket Outlet	IP44	8
40502805	Illuminated One Gang One Way Control Switch + Schuko Socket Outlet	IP44	8
40502905	Illuminated One Gang One Way Switch + Schuko Socket Outlet	IP44	8
40503005	One Gang One Way Double Pole Switch + Schuko Socket Outlet	IP44	8
40503105	One Gang One Way Double Pole Switch + Schuko Socket Outlet	IP44	8
40504005	Schuko Socket Outlet + Schuko Socket Outlet	IP44	10



40500105



40500505



40501605



40502805



40504005