

International Edition



Bals
ELEKTROTECHNIK

We ask you to indicate our reference numbers and quantity packaging on all your purchase orders in order to facilitate an easy procedure of the order.

Return shipments based on wrong placed orders effects a tremendous procedure and costs and therefore in such cases we are obliged to apply a handling charge.

Weights, dimensions, technical details and sketches are carefully issued (error excepted) but not obligatory on deliveries. For technical reasons our products are subject to modification continuously due to creative, design and technical progress.

Edition 03/2016

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BALS ELEKTROTECHNIK - THE RIGHT CONNECTION - MADE IN GERMANY -

With half a century of expertise and experience, Bals has become a quality brand all over the world and is renowned for its innovation, reliability and service.

For more than 50 years, we have been producing CEE plugs and connectors for the world markets. From day one we have focussed on the highest level of quality "Made in Germany".

Our factories in Kirchhundem-Albaum and Freiwalde have highly skilled and motivated teams, the very latest manufacturing facilities and a highly efficient logistics system.

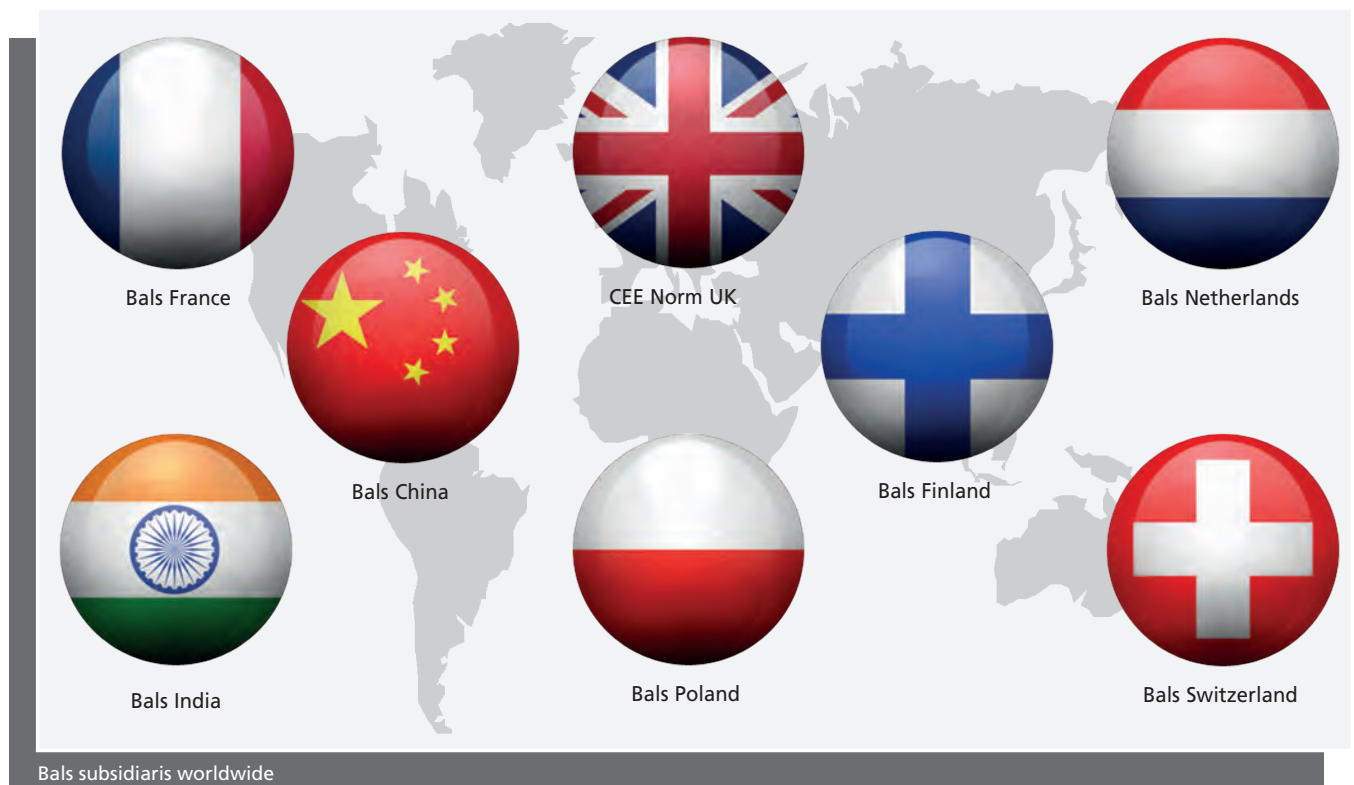
Our product portfolio ranges from plugs, phase inverters, connectors, sockets outlets and combinations units to special application devices.

Numerous certifications from German and foreign certification institutes, as well as registered designs and patents, document the high technical standard of our products.

A unique quality feature which has been developed exclusively by Bals is the maintenance-free Quick-Connect technology.



Factory in Kirchhundem-Albaum



Bals subsidiaries worldwide

Proximity to customers is extremely important to us: We see ourselves as a partner for our customers and consider trust and continual dialogue to be extremely valuable. At the world's leading trade fairs, at conventions or directly on site: Our incentive is to support the success of our customers by providing tailor-made solutions.

Our sales teams are close to our customers all over the world and are always available to provide advice and support for complex technical requirements.

In Germany, a comprehensive sales network of 15 commercial agencies and 8 field representatives ensures close-knit and competent customer support. Abroad, we are present in important countries such as France, Switzerland, England, the Netherlands, Poland, Finland, Russia, India and China with sales subsidiaries of our own.

Furthermore, we cooperate in many countries with committed partners on an exclusive basis in a spirit of trust.



We regularly exhibit our products at international trade fairs



Bals at the TEMCA Exhibition in Pattaya (Thailand)



Bals stand at "Light + Building", the world's largest trade fair for light and building technology

CUSTOMISED SOLUTIONS FROM A SINGLE SOURCE - FROM INITIAL DESIGN TO THE FINISHED PRODUCT -

From the initial idea and the first design drawing to the finished product:

We deliver series-produced innovations from a single source. A high level of expertise across all stages of production makes it possible for us to precisely fulfil the individual needs of the customer.

For us, flexibility, proximity to the customer and goal orientation are a matter of course. For this reason, our integrated production - from the product idea and design to tool making and production to the shipment of the products – is optimised for short processing paths and the fastest response times just in time.

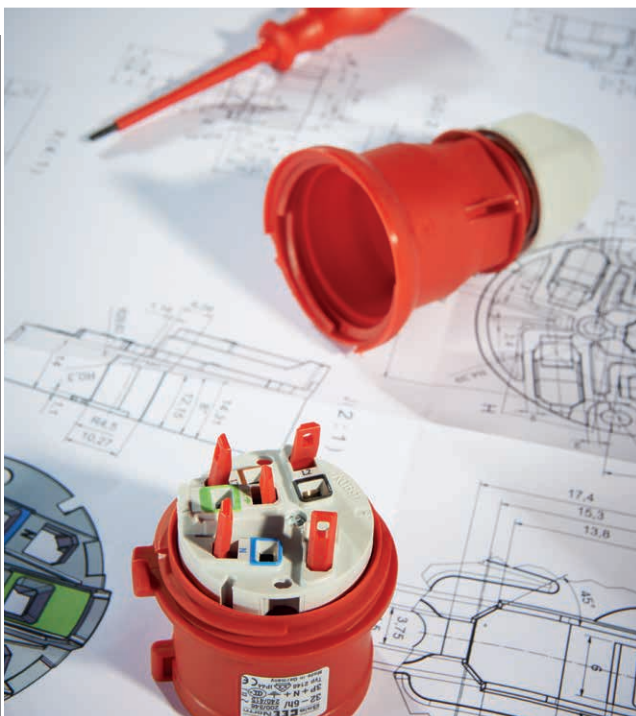
Our experienced engineers develop special solutions for special requirements. Numerous corporate groups and large companies in Germany and abroad rely on our products: railways, underground and opencast mining, power stations, renewable energy, ports and many more – our distributor combinations and plugs and sockets provide a high level of reliability and safety even under adverse conditions.



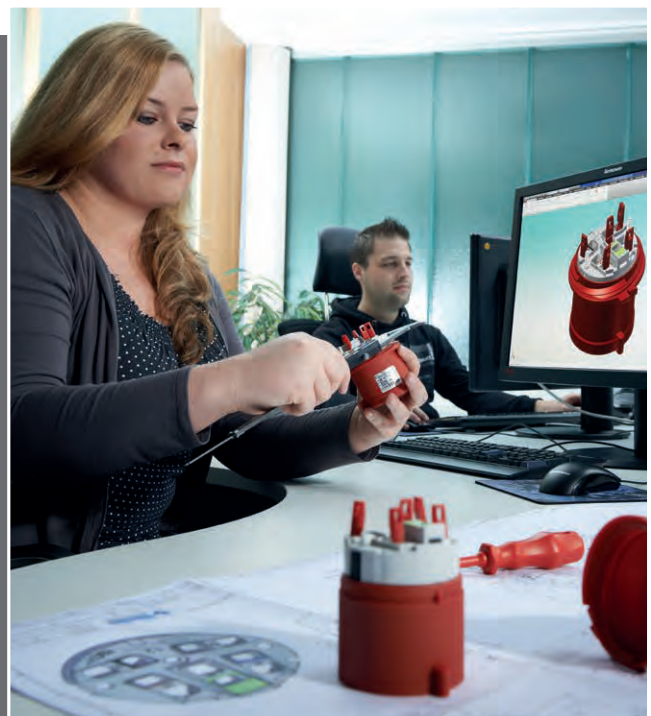
Our sales team is looking forward to receiving your call



Design meeting



From the initial drawing to the finished product ...



... with motivated staff and a modern CAD system

A PRODUCTION PROCESS THAT LEAVES NO WISH UNFULFILLED - PREMIUM QUALITY FOR YOUR REQUIREMENTS -

1

The ISO-9001-certified production process in all factories ensures the high product quality typical for which Bals is famous.

Modern injection moulding machines and automatic production lines guarantee the consistently high level of quality that you expect from a leading manufacturer.

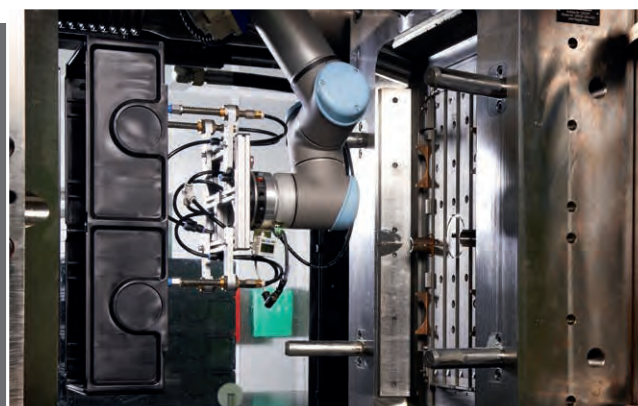
Selected raw materials, a modern production process as well as continuous inspection and quality control ensure that you can rely on our combination units, plugs and sockets – one hundred percent, day by day, in every situation. The high quality of the Bals devices, is reflected in their quality features:

impact resistant, dimensionally stable, self-extinguishing, abrasion-, cold-, and heat-resistant. Bals products convince by long service life and reliable operation.

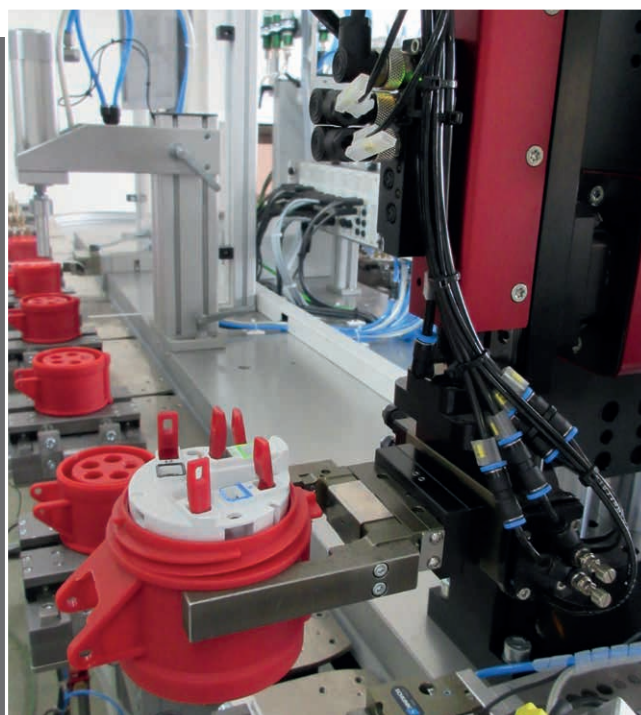
Our presence in more than 80 countries worldwide means that we are always close to the needs of customers. Bals products are also approved in North America, China and South Africa and are therefore ideal for use worldwide.



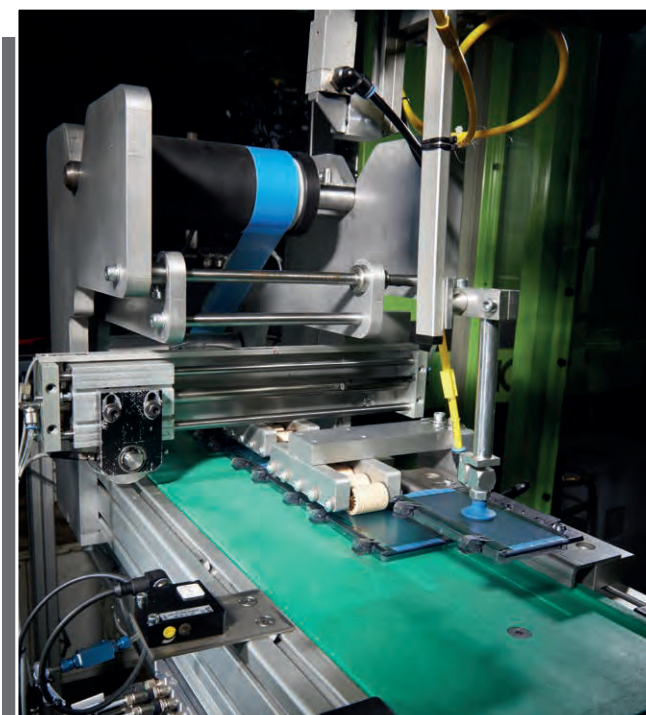
Not just standard products but also variable configurations are part of our day-to-day business



Automatic removal process for our VARIABOX system



State-of-the-art assembly lines with integrated automatic testing machines



... and integrated removal function

QUALITY SIGNED AND SEALED - YOU CAN RELY ON THAT! -

Trust is good but continuous inspection and quality control is better:

To ensure a consistently high level of quality, our products are continuously monitored and inspected in our modern, in-house testing laboratory.

This allows us to validate the various operating and ambient conditions directly on site. In climatic chambers, the high quality standard of our products is tested under realistic conditions across a broad range of temperatures humidity levels.

Furthermore, devices for e.g. the glow wire test as well as for dynamic, electrodynamic and thermal-stress testing are also available. The requirements of the protection degree test can be simulated at a splash-water testing facility and in an immersion tank.

We regard the test standard requirements as minimum. The demands that we place on our products go way beyond these requirements.

All test data is continuously collected online or offline and can, on request, be provided as test documentation with the corresponding results.



Long-term test at -40 °C in the climatic chamber



Splash-proof, water test



Modern, in-house test laboratory for ensuring that our high quality standards are met

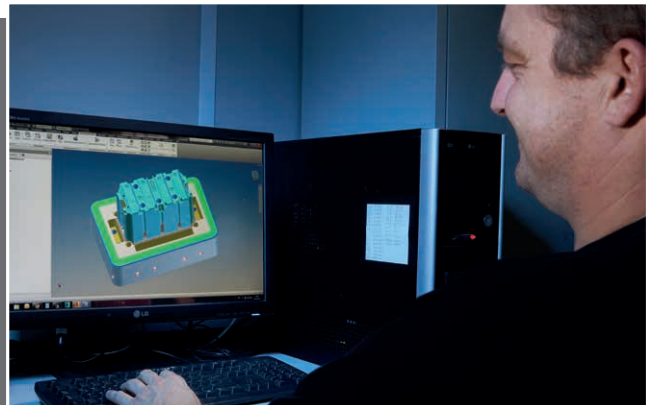
PARTNERSHIP BASED ON TRUST - YOUR SUCCESS IS OUR GOAL -

1

You can always rely on Bals products:
300 motivated employees who are deeply committed to the company have just one goal:
To ensure that our customers are fully satisfied.
Individual solutions that function safely and reliably even under adverse operating conditions will make you more successful!
Quality, flexibility and a streamlined organisation are the guiding principles of our internationally experienced management team.
These principles are put into practice by our employees on a daily basis in tried-and-tested products and outstanding service.
Trust us and our sales partners.
Benefit from our experience and expertise.



Fully automatic testing station with documentation



Three-dimensional production programs in the operation process



Certifications



VARIABOX distributors - series production



The QUICK-CONNECT range leaves no wish unfulfilled



QUICK-CONNECT connection technology 16A and 32A



QUICK-CONNECT connection technology 63A

- Invented in 1998 and patented by Bals: the screwless quick connection technology based on the spring-clamp principle
- Time savings of up to 75% over other conventional connection technologies
- Faster, more reliable and, above all, more controlled conductor connection
- The terminal accepts all types of copper conductors, rigid or flexible, with or without wire end ferrule as well as conductors of all quality grades irrespective of the conductor diameter or conductor insulation
- No wire end ferrules needed
- On delivery, the terminals are open and the contact pressure of the springs is optimally set
- Pressing the contact slide or locking lever with a finger visibly, audibly, reliably and permanently closes the terminal after the stripped conductor has been inserted
- Rewiring is no problem. Pressing the locking lever or contact slide again releases the conductor; unlike insulation displacement connector technology, the conductor can then be used again without needing further processing steps.
- The damage-free conductor clamping guarantees an optimum connection over the entire service life
- Quick-Connect is maintenance-free, insensitive to shocks, vibrations and temperature fluctuations

Quick-Connect plugs and connectors 16A:	1 mm ² - 2.5 mm ² (flexible conductors)
Quick-Connect panel and Surface Mounting Socket	1.5 mm ² - 4 mm ² (rigid and multi-wire conductors)
Outlets 16A:	
Quick-Connect plugs and connectors 32A:	2.5 mm ² - 10 mm ² (flexible conductors)
Quick-Connect panel and Surface Mounting Socket	2.5 mm ² - 10 mm ² (rigid and multi-wire conductors)
Outlets 32A:	
Quick-Connect plugs and connectors 63A:	6 mm ² - 16 mm ² (flexible conductors)
Quick-Connect panel and Surface Mounting Socket	6 mm ² - 25 mm ² (rigid and multi-wire conductors)
Outlets 63A:	



Multi-Grip available from 16A to 125A



Permanently attached, captive seal



Multi-Grip cable gland achieves protection degree IP67

- Cable gland system with integrated strain relief, invented by Bals in 2002
- The special cable gland is secured against self-loosening and unintentional loosening when inserting and withdrawing the plug by means of a buttress thread
- The rubber seal which is permanently joined to the enclosure cannot be lost. The time-consuming adjustment of the onion rings to the cable diameter is no longer necessary
- Simply tighten the Multi-Grip cable gland for damage-free, airtight and permanent mounting of the cable without any kind of deformation
- Multi-Grip cable glands achieve at least protection degree IP67
- Water no longer remains in the flared opening; it is instead forced out through the drainage openings
- The exterior strain relief system sits against the captive seal and prevents the penetration of water or dirt into the connection cavity of the plug even if the cable is moved
- The tensile strength exceeds the values specified in standards IEC 60309, EN 60309, VDE 0623 many times over
- The condition of the strain relief system can be inspected at any time from the outside without opening the plug enclosure

Multi-Grip easily adapts to almost all cable and wire types! The following cable diameters can be fed in without affecting the tightness or capacity for strain relief.

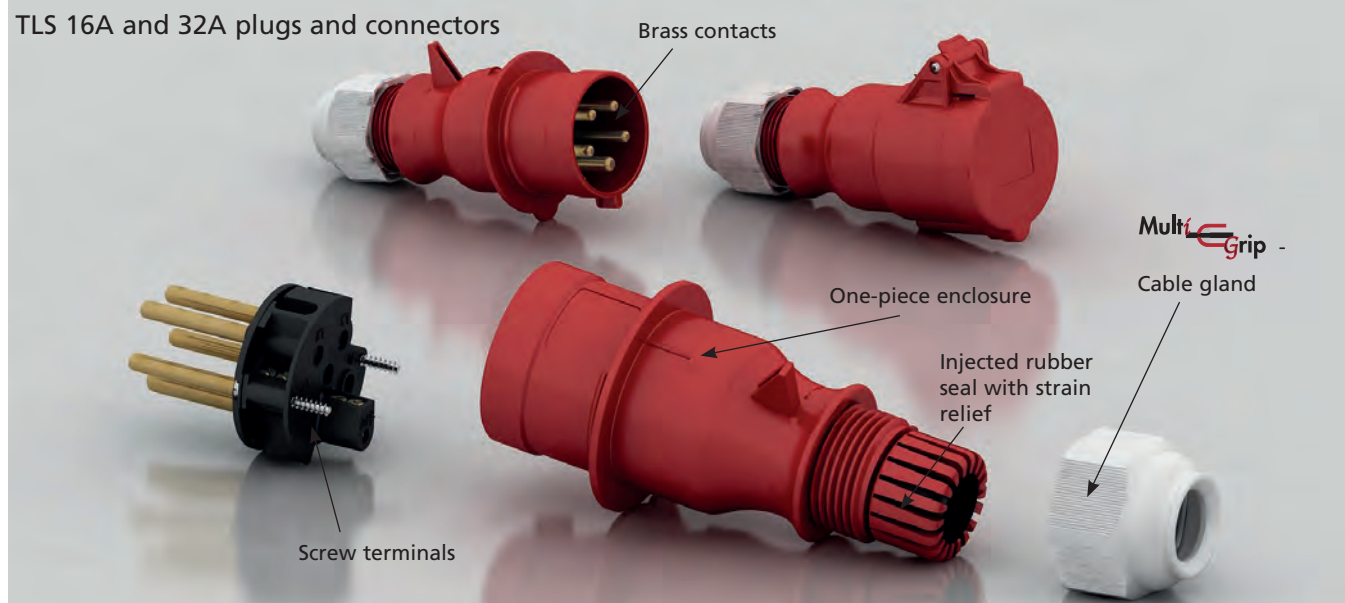
TE- and TE-Plus plugs	Cable diameter
16A, 3 and 4-pole TE and TE-Plus	Ø8 mm - Ø18 mm
16A, 5-pole TE and TE-Plus	Ø10 mm - Ø21 mm
32A, 3 and 4-pole TE and TE-Plus	Ø11 mm - Ø23 mm
32A, 5-pole TE and TE-Plus	Ø13 mm - Ø27 mm
63A, 3 to 5-pole TE and TE-Plus	Ø16 mm - Ø36 mm
125A, 3 to 5-pole TE	Ø26 mm - Ø50 mm

TLS and QC standard plug and socket	Cable diameter
TLS 16A, 3/4/5-pole	Ø8 mm - Ø18 mm
TLS 32A, 3/4/5-pole	Ø11 mm - Ø23 mm
QC standard 16A, 3/4/5-pole	Ø8 mm - Ø18 mm
QC standard 32A, 3/4/5-pole	Ø11 mm - Ø23 mm

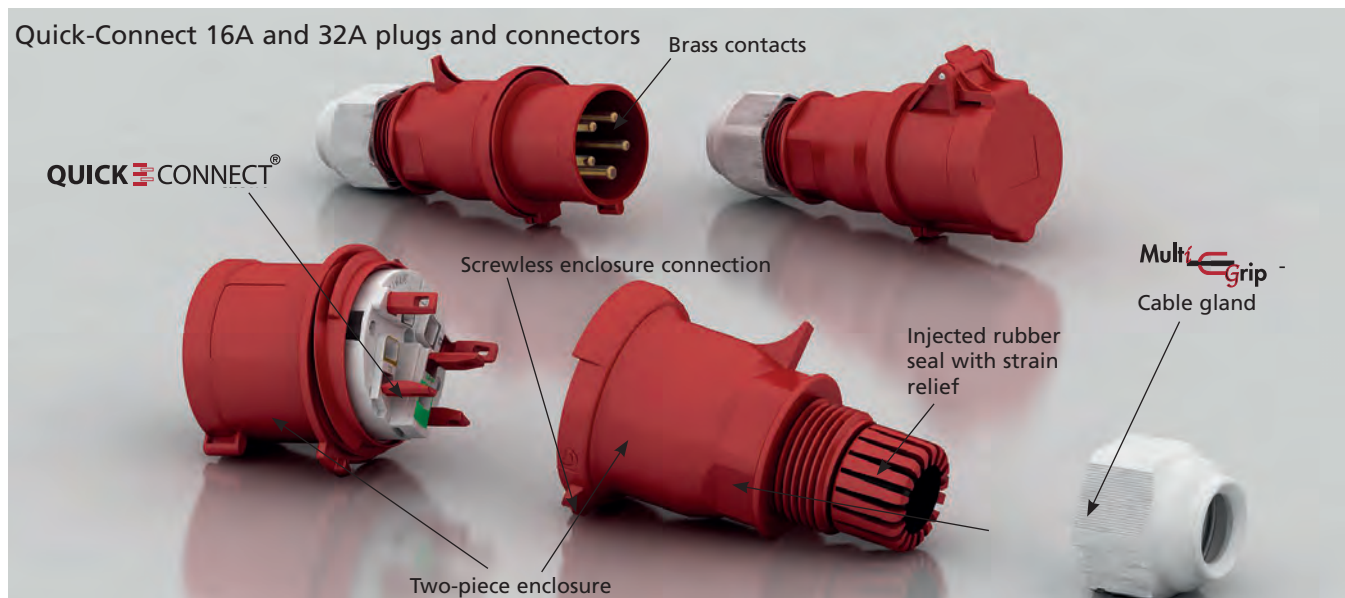
A reducer (type 29129) is available for all 16A plugs and sockets (see page 102). It allows cable diameters of less than Ø 8 mm to be sealed tightly.

OUR PLUG AND SOCKET SERIES

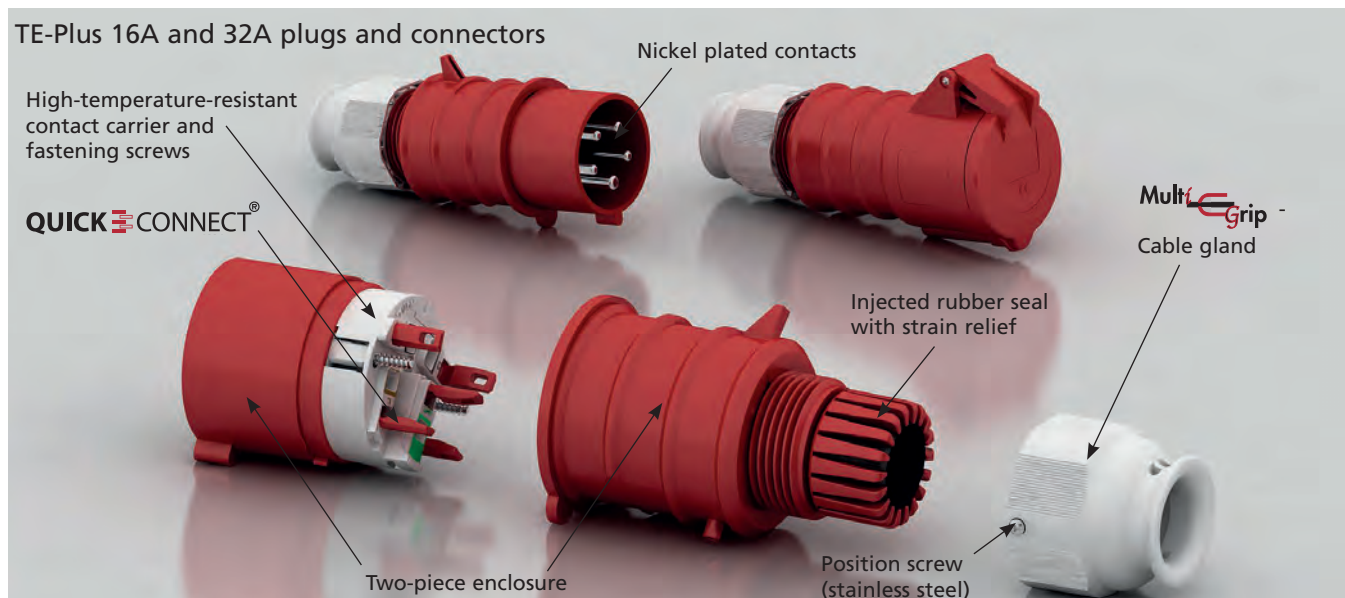
TLS 16A and 32A plugs and connectors



Quick-Connect 16A and 32A plugs and connectors



TE-Plus 16A and 32A plugs and connectors



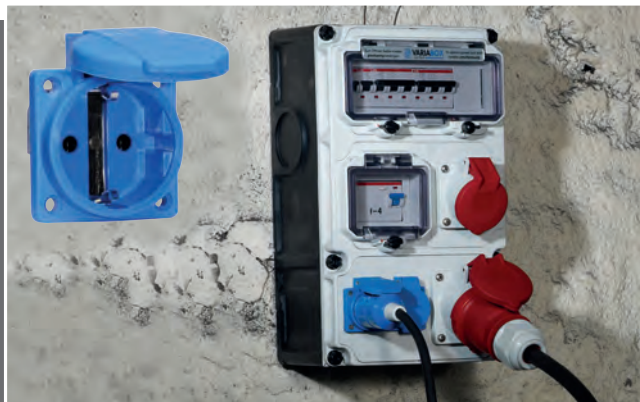


Domestic Sockets in German or Belgium/ French System in Quick-Connect or screw version

In March 2013, an important change relating to the selection of Domestic Panel Mounting Socket Outlets on distributor systems came into effect in the new version of DIN VDE 0620. With the IPX4 sockets, a distinction is made between stationary and mobile operating conditions. The IPX4 sockets for mobile applications must be equipped with an additional sealing collar which ensures a protection degree of IP44 when connected to an IPX4 plug.

ATTENTION!

Domestic plugs higher than IPx4 (e.g. a Domestic plug IP67) must NOT be used with a mobile IPX4 Domestic socket with sealing collar. The design of these plugs means that there is insufficient contact. Similarly, plugs that do not structurally correspond to IPX4 (e.g. the flat design of the Euro plug) must NOT be used with the above-mentioned sockets. Owing to the different design, it is not possible to guarantee leaktightness.



VARIABOX surface mounting distributor with IP44 Domestic socket for stationary distributors



Mobile distributors with IP54 Domestic socket (with sealing collar) for mobile distributors



- Fuse elements arranged below transparent, lockable operating window with user-friendly OTC mechanism (one touch close). It engages in the open state and locks again automatically when touched lightly
- Coded flange plate system for maximum safety during initial installation and maintenance
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology and standardised flange dimensions, therefore independent of manufacturer if necessary
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Surface mounting or mobile distributor versions in the sizes S (1-module), M (2-modules), L (3-modules), XL (4-modules), XXL (5-modules)
- Ready wired for installation
- Available in the protection degrees IP44, IP54 and IP67
- Enclosure made of high-grade, impact-resistant thermoplastic
- Top and bottom can be sealed together
- With external and internal fastening
- The cover screws are captive and can be actuated using a flat-tip or cross-tip screwdriver or using an internal or external hexagon spanner
- Modular expansion on all 4 sides
- Straight top hinged at side



Technical data

- Maximum protection degree IP68
- With MODBOX-Midi with user-friendly OTC operating window
- Modular expansion on all 4 sides
- Yellow end corners for increased safety
- Cover available on request with or without rain roof
- Hard rubber mixture with hardness grade of 99 shore
- Corners and stability framework are made of cured glass-fibre-reinforced polyamide
- Outer corners luminous on request
- Fully insulated

• Material properties

- Impact-resistant
- UV-resistant
- Halogen-free
- Resistant to ageing, temperature, oil and acid
- Excellent resistance to chemicals
- Flame-resistant, self-extinguishing

The new standard DIN EN 61439:2012 has replaced the previous DIN EN 60439. It describes the design, construction and requirements for low-voltage switchgear assemblies and therefore has a considerable impact on electrical power distribution in industry, for domestic installation and on construction sites.

With Bals Elektrotechnik distributors, you play it safe in every respect: Our most recent distributor generations fully meet the specifications of the new standard.

The basic requirements are defined in DIN EN 61439-1 and adapted to the specifics of the respective application by the addition of corresponding standard sections. We therefore make a distinction between 3 categories in this product group:

1. Power switchgear assemblies in accordance with DIN EN 61439-2
2. Installation distributors in accordance with DIN EN 61439-3
3. Construction site power distributors in accordance with DIN EN 61439-4

All plug and Combinations produced by Bals Elektrotechnik in accordance with the basic standard DIN EN 61439-1 and the corresponding standardisation sections DIN EN 61439-2, 61439-3, 61439-4 can be operated without exception by non-experts. This includes the connection and disconnection of plug and socket devices as well as the operation of safety elements installed by us, such as miniature circuit breakers or residual current circuit breakers.

The operating elements are installed in such a way that they comply with protection degree IP 2X, which also covers protection degree IP XXB (DIN EN 61439-3 Paragraph 8.2.2. and DIN EN 61439-2 Paragraph 8.101 Note 1).

Non-experts are, of course, not permitted to open the enclosures of live combination units. For this reason, it is only possible to open our enclosures using a suitable tool.

With Bals Elektrotechnik distributors you meet the specifications of the DIN EN 61439 standards without running any risk with regard to requirements or approval.

I_n Rated current of assembly		IP Protection degree	
		Typ IP44 Made in Germany	
Spannung 200V/346V voltage 240V/415V		Frequenz 50 - 60Hz frequency	
I_n 40A		Maße dimension 390x230x145mm	
RDF 0,8 $I_{cc} \leq 10kA$ U_{imp} 4kV		Gewicht 5,898kg weight	
Temp -25/ +40°C		Baujahr 10/14 year of construction	
DIN EN 61439 - 3			

I_{cc} Conditional rated short-circuit current

U_{imp} Rated voltage

RDF Rated load factor

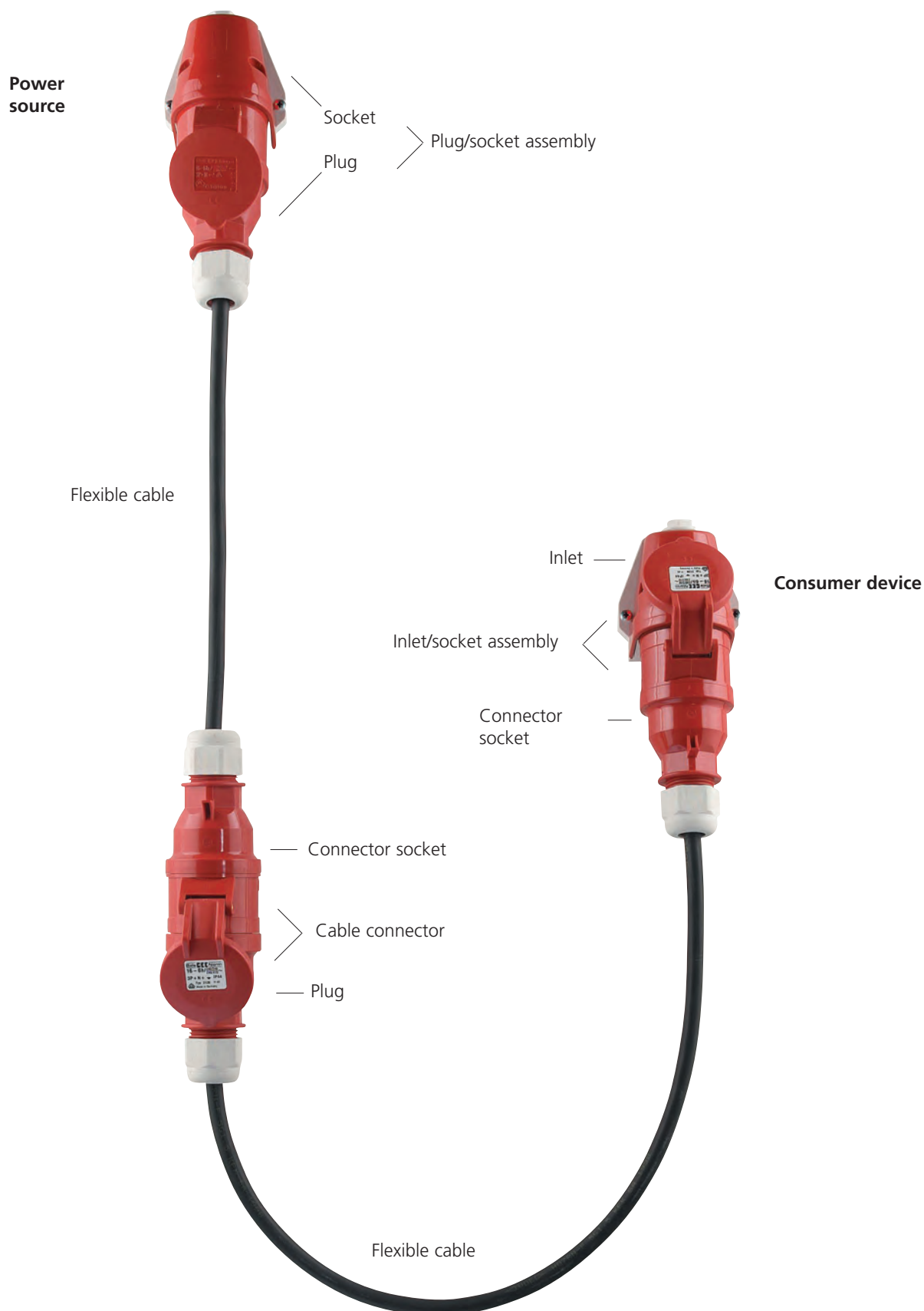
Example of type label



VARIABOX M combination with fuse protection



Portable mobile distributor with fuse protection



Information about CEE plugs and sockets for industrial applications

CEE plugs and sockets are internationally standardised by IEC 60309-1,-2 and also EN 60309-1,-2 valid in Europe.

IEC (International Electrotechnical Commission)

International electrotechnical commission responsible for worldwide standardisation in the electrotechnical field.

IECEE CB (IEC System for Conformity Testing to Standards for safety of Electrical Equipment)

IEC system for conformity testing of electrical equipment in accordance with safety standards.

CENELEC (European committee for electrotechnical standardisation)

International electrotechnical commission responsible for European standardisation in the electrotechnical field.

Series of EN 60309 standards

This European standard was ratified by CENELEC. The CENELEC members are obliged to comply with the requirements of the CEN/CENELEC rules of procedure which define the conditions under which this European standard is, without any modification, to be given the same status as a national standard.

This European standard shall exist in two official versions (English, French). A version in a different language that has been translated into the respective national language independently by the CENELEC member and communicated to the Central Secretariat shall have the same status as the official versions.

CEE standard system

To ensure that a plug cannot be inserted into a socket with a different voltage or frequency, the positions of the protective contacts relative to the keyway of the socket collar have been assigned to certain voltages and frequencies. A groove in the connector collar and a corresponding lug on the plug prevent hazardous confusion between the systems.

Even if this safety device is damaged, hazardous connection of the protective conductor pin and the phase sleeve is still not possible as the protective conductor pin which has a considerably larger diameter than the phase pin cannot be inserted into the phase sleeve.

Bals CEE plugs and sockets for amperages of 16A, 32A, 63A and 125A have sufficient switching capacity in accordance with DIN EN 60309 and can be actuated under load on consumables up to 690 V AC in accordance with DIN VDE 0100; corresponding test documents can be provided on request.

CEE plugs and sockets for amperages of 63A and 125A are equipped with a pilot contact that enables electrical interlocking or monitoring as per DIN EN 60309. This contact closes late when plugging in and opens early when pulling out.

system **QUICK CONNECT**[®]

In 1998, Bals was the first manufacturer to introduce screwless connection technology based on the spring-clamp system onto the market under the brand name **QUICK CONNECT**[®]. Today, this technology developed by Bals is accepted and patented worldwide, is VDE-tested and has been approved without restriction.

The entire **QUICK CONNECT**[®] product range can therefore be used universally, consists of over 700 items and is available in all product categories and the customary protection degrees. Every year, Bals puts over 3 millions units of these unique products on the market worldwide and has consistently adapted its entire production and sales system to this innovation. The products are available from 16A 3p to 63A 5p as plugs, connectors and sockets.

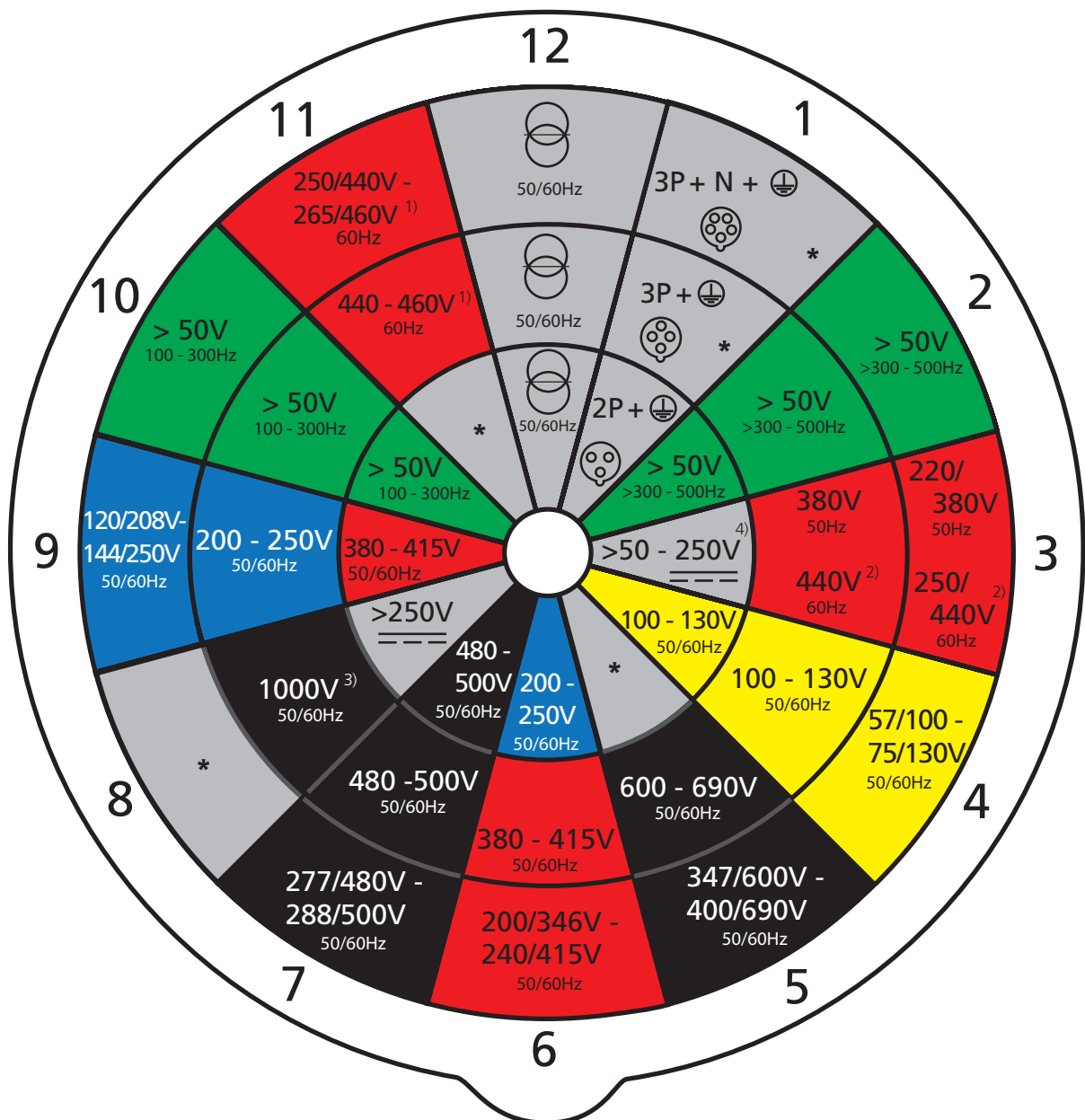
QUICK CONNECT[®] puts an end to fault-prone threaded connections and prevents the inherent problems associated with insulation displacement connector technology. The time-saving and cost-cutting innovation from Bals is consistently marketed via the three-stage sales channel and, owing to its technical benefits and patented unique characteristics, offers major commercial opportunities for marketing agents and end users.

Bals focuses consistently on its inventions and therefore mentions a large part of the still available screw products only briefly at the end of this catalogue.

More information about the new technologies can be found on page 8 and 9, and on the introduction pages of the individual product groups.

The illustration shows the position of the protective contact of a socket (front view) with rated operating voltages above 50 V, in accordance with DIN EN 60309-2. Plugs and inlets are mirror-inverted.

- 1) Mainly for ship installations
- 2) For reefer containers only
(ISO standardised)
- 3) For 63A and 125A industrial
plugs and sockets only
- 4) PE conductor required



⊗ After transformer

— DC

* All other configurations not covered by the rated operating voltages and/ or frequencies.
This clock face position can be additionally used in special applications in which a distinction to standardized positions is required.

Position of the auxiliary lug relative to the basic lug for various voltages up to 50 V and frequencies up to 500 Hz in accordance with DIN EN 60309-2.

Poles	Frequency	Rated operating voltage	Position of auxiliary lug	colour code
2-, 3-poles	50 and 60	20 - 25	none 	violet 
	50 and 60	40 - 50	12 h 	white 
	100 - 200	40 - 50	4 h 	green 
	300	20 - 25 40 - 50	2 h 	green 
	400	20 - 25 40 - 50	3 h 	green 
	above 400 - 500	20 - 25 40 - 50	11 h 	green 

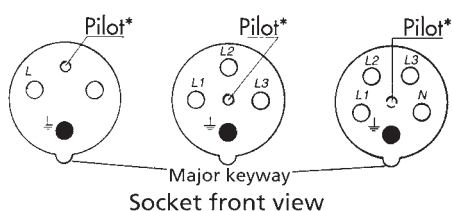
Colour Coding

When the operating voltage is indicated colour codes in addition to the specified labels, the colour code given in the table below should be used:

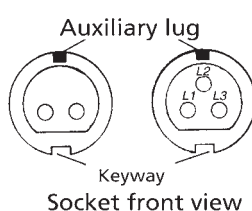
Rated operating voltage or frequency	colour code
20 - 25 V	violet 
40 - 50 V	white 
100 - 130 V	yellow 
200 - 250 V	blue 
380 - 480 V	red 
500 - 690 V	black 
above 60-500 Hz	green 

Contact layout for CEE plugs and sockets

Greater than 50 V:



Up to 50 V:

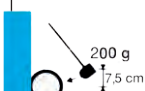
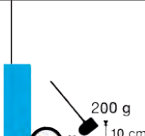
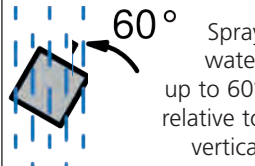
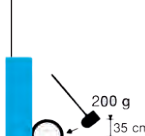
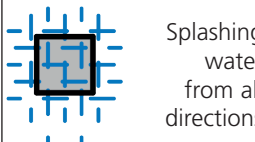
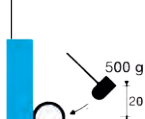
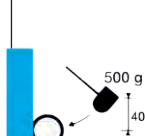
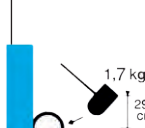
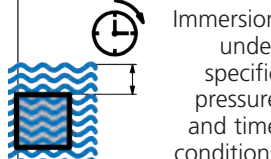
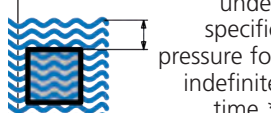
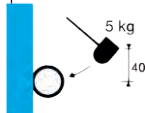


Identification of conductor connections

The connections must be labelled with the following symbols: L1, L2, L3 or 1, 2, 3 for the outer conductors.

The neutral conductor is labelled with N and the earth contact with .

* only at 63A and 125A

IP protection degrees for enclosures as per DIN EN 60529 (DIN VDE 0470)					IK code as per DIN EN 62262 (VDE 0470)	
1st code digit	Protection of enclosure against penetration by	Protection against contact with	2nd code digit	Protection of enclosure against damage caused by	Code digit	Impact resistance
0	 No protection	 No protection	0	 No protection	0	Not protected according to standard
1	 Solid object larger than 50 mm	Back of hand	1	 Vertically falling dripping water	01	Energy 0.140 joule 
2	 Solid object larger than 12.5 mm	Finger	2	 15° Dripping water up to 15° relative to vertical	02	Energy 0.200 joule 
3	 Solid object larger than 2.5 mm	Tool	3	 60° Spray water up to 60° relative to vertical	05	Energy 0.700 joule 
4	 Solid object larger than 1 mm	Wire	4	 Splashing water from all directions	06	Energy 1 joule 
5	 Damaging dust deposits		5	 Water jet from all directions	07	Energy 2 joule 
6	 Dust-proof (full protection)		6	 Strong water jets	08	Energy 5 joule 
Example of IP67: ⑥ Dust-proof (full protection) ⑦ Protection against immersion under specific pressure and time conditions			7	 Immersion under specific pressure and time conditions	09	Energy 10 joule 
			8	 Immersion under specific pressure for indefinite time *	10	Energy 20 joule 

* Conditions are defined jointly by the manufacturer and end user. Tightening of the test conditions compared to code digit 7.

All Bals plugs and sockets are:

Impact-resistant, even at extremely low temperatures



Tested to -25°C

Dimensionally stable, even with high heat generation



Glow wire test at 650°C and 850°C

Protected against splashing water, watertight and dust-proof in accordance with protection degrees IP44 and IP67



Tests in accordance with DIN EN 60529, e.g. at water depth of 1 m

High switching capacity, can therefore also be connected and disconnected under load



Contacts and insert are subjected to a continuous mechanical, electrodynamic and thermal load

Ageing resistant



Long-term testing at a temperature of 80°C

Good electrical insulation properties



Plastic parts used insulate voltages of ≥ 2500 V~

Dimensionally stable and abrasion-resistant



Tested through years of use under harsh operating conditions

Environmentally friendly

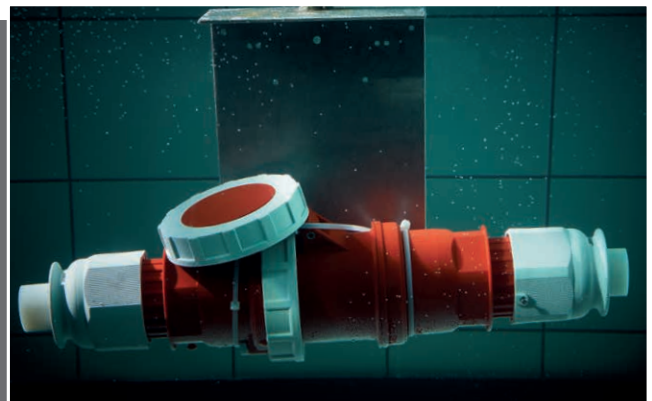


Plugs and sockets are PVC-free, cadmium-free and halogen-free

The same generally applies for the plug/socket combination systems as for plugs and sockets, whereby here it is particularly important to take resistance against chemicals into consideration. The high-quality plastics and solid rubber used are suitable for the majority of applications. If, however, chemicals are used (e.g. for cleaning tasks in food processing plants), it may be necessary to use a different material (see "Material resistance list" on page 21) or contact us.



Glow wire test



Immersion test

	Polyamide	Polycarbonate	Polyester	Rubber
Acetic acid 10%	☐	■	☐	☐
Acetone	■	☐	☐	■
Alcohol (ethyl alcohol)	■	■	■	■
Alcoholic beverages	■	■	■	■
Ammonium (aqueous)	■	☐	■	■
Benzene	■	☐	☐	☐
Bromine	☐	☐	☐	☐
Butter	■	☐	■	☐
Caustic detergent solutions	■	■	■	☐
Chlorine	☐	☐	☐	☐
Curd soap solution (2%)	■	■	■	■
Dichloromethane	☐	☐	☐	☐
Diesel oil, heating oil	■	☐	■	☐
Edible oils and edible fats	■	■	■	☐
Ethyl ether	■	☐	■	☐
Fruit juices	☐	■	■	■
Glycerine	■	☐	■	■
Glycol	☐	☐	■	■
Hydrochloric acid (up to 35%)	☐	☐	☐	☐
Hydrofluorocarbons	■	☐	■	☐
Hydrogen peroxide (30%)	☐	■	☐	☐
Iodine	☐	☐	☐	■
Lard	■	☐	■	☐
Methanol	☐	☐	■	■
Milk	■	■	■	■
Mineral oils and mineral greases	■	■	■	☐
Nitrobenzene	■	☐	☐	☐
Ozone	☐	■	☐	☐
Perchloroethylene	☐	☐	■	☐
Petrol	■	■	■	☐
Premium petrol (aromatic)	■	☐	☐	☐
Soap solution (aqueous)	■	■	■	☐
Sulphuric acid (up to 40%)	☐	■	☐	■
Toluene	■	☐	☐	☐
Trichloroethylene	☐	☐	☐	☐
Urea	☐	☐	■	■
Washing-up liquid	☐	☐	■	■
Water (hot)	☐	☐	☐	☐
Water and seawater (cold)	■	■	■	■

■ Resistant ☐ Conditionally resistant ☐ Non-resistant

This list contains the most common chemicals.

It provides information on the basic resistance of the listed materials in combination with the listed chemicals. The concentration of the chemicals and the ambient temperature must additionally be taken into consideration. If other chemicals or a combination of chemicals are used, it is essential to perform a precise chemical resistance check.

Source:
Werkstoff-Führer
Kunststoff (Material
Guide - Plastic)
Hellerich/ Harsch/ Haenle
6th edition
Bayer Kunststoff

Principal used materials and properties of Bals CEE plugs and sockets

	Connection technology	Material of contact carrier	Material of contact	Material of enclosure	Material of cover rivet	Material of fastening screw	Material of contact screw
TLS plug	Screw terminal	PA6	Brass	PA6	-	Steel (blue, galvanised)	Steel (blue, galvanised)
Standard plug	Quick-Connect	PA6	Brass	PA6	-	-	-
TE plug	Screw terminal	PA6.6	Brass (nickel-plated)	PA6	-	Stainless steel A2	Brass (nickel-plated)
TE-Plus plug	Quick-Connect	PA6.6	Brass (nickel-plated)	PA6	-	Stainless steel A2	-
TLS connector	Screw terminal	PA6	Brass	PA6	Brass	Steel (blue, galvanised)	Steel (blue, galvanised)
Standard connector	Quick-Connect	PA6	Brass	PA6	Brass	-	-
TE connector	Screw terminal	PA6.6	Brass (nickel-plated)	PA6	Stainless steel A2	Stainless steel A2	Brass (nickel-plated)
TE-Plus connector	Quick-Connect	PA6.6	Brass (nickel-plated)	PA6	Stainless steel A2	Stainless steel A2	-
Surface Mounting Socket Outlet Standard	Quick-Connect	1)	2)	3)	Brass	4)	-
TE Surface Mounting Socket Outlet	Quick-Connect	PA6.6	Brass (nickel-plated)	3)	Stainless steel A2	Stainless steel A2	-
Panel Mounting Socket Outlet Standard	Quick-Connect	1)	2)	PA6	Brass	-	-
TE Panel Mounting Socket Outlet	Quick-Connect	PA6.6	Brass (nickel-plated)	PA6	Stainless steel A2	-	-
Inlets	Quick-Connect	1)	2)	PA6	-	-	-
TE inlet	Quick-Connect	PA6.6	Brass (nickel-plated)	PA6	-	-	-

1) 16 + 32A made of PA6
63A made of PA6.6

2) 16 + 32A made of brass
63A made of brass (nickel-plated)

3) 16 + 32A made of PA6
63A made of PC

4) 16 + 32A made of steel (blue, galvanised)
63A made of stainless steel A2

PA6 (polyamide) and PC (polycarbonate) are high-grade plastics that are predominantly used for plugs, sockets and combinations

PA6.6 (polyamide with glass-fibre content) is a high-grade plastic that is characterised in particular by its high heat resistance

The brass used has a copper content of at least 58%

Withdrawal forces for Multi-Grip cable gland system

Plug/connector	Cable ø	Torque		Pulling force as per EN 60309	Measured pulling force *
		min.	max.		
16A, 3 and 4-pole	8 mm	4 Nm	7 Nm	80 N	85 N (300 N)
16A, 3 and 4-pole	18 mm	4 Nm	7 Nm	80 N	200 N
16A, 3 and 4-pole	< 7 mm	4 Nm	7 Nm	With reducer (type 29129)	300 N
16A, 5-pole TLS and QC	8 mm	4 Nm	7 Nm	80 N	85 N
16A, 5-pole TLS and QC	18 mm	4 Nm	7 Nm	80 N	200 N
16A, 5-pole TE	10 mm	4 Nm	7 Nm	80 N	400 N
16A, 5-pole TE	21 mm	4 Nm	7 Nm	80 N	600 N
32A, 3 and 4-pole	11 mm	4.5 Nm	9 Nm	100 N	400 N
32A, 3 and 4-pole	23 mm	4.5 Nm	9 Nm	100 N	600 N
32A, 5-pole TLS and QC	11 mm	4.5 Nm	9 Nm	100 N	400 N
32A, 5-pole TLS and QC	23 mm	4.5 Nm	9 Nm	100 N	600 N
32A, 5-pole TE	13 mm	5 Nm	9.5 Nm	100 N	350 N
32A, 5-pole TE	27 mm	5 Nm	9.5 Nm	100 N	550 N
63A, 3 - 5-pole	24 mm	7.5 Nm	20 Nm	120 N	1900 N
63A, 3 - 5-pole	27 mm	7.5 Nm	20 Nm	120 N	2000 N
125A, 3 - 5-pole	36 mm	10 Nm	22 Nm	200 N	2700 N
125A, 3 - 5-pole	41 mm	10 Nm	22 Nm	200 N	2200 N

* Measured pulling force:
Room temperature 20°C, testing machine type TIRA tes 2710/1
Rubber of cable: H07RN-F

Non-binding guidance values.
Subject to technical changes.

Bals produces a complete series of plugs and sockets from 20A 3-wire to 100A 5-wire for countries with UL requirements.

This series contains both the standard range and switched/interlocked plugs and sockets.

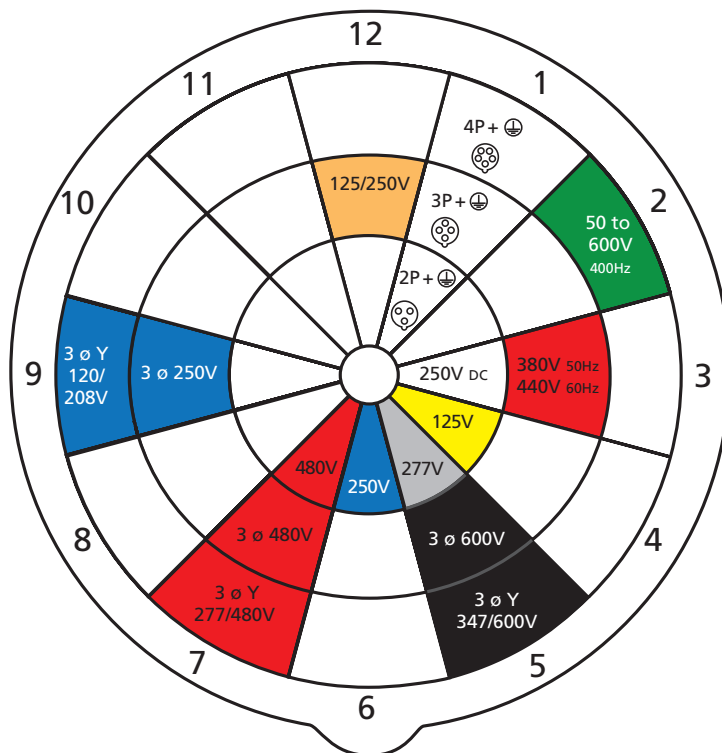
The entire range is certified to UL/CSA.

Our UL articles are not covered in detail in this catalogue.

Please contact us if you require information on these products.

Plugs and sockets

Developed for the markets in North America in accordance with IEC 60309-2 Series II and UL 1686 C2. For international positions of the earth conductor, see page 17 of this catalogue.



Rated currents:

Series II
Ampere
20A
30A
60A
100A

Identification of connection terminals:

X, Y, Z = Phases

W = Neutral conductor (white)

G = Protective conductor (green)

View of female contacts from front side of collar sockets

Poles	2h	3h	4h	5h	6h	7h	9h	12h
2P + ⊕								
3P + ⊕								
4P + ⊕								





Surface Mounting Socket Outlets

Surface Mounting Socket Outlets, IP44



Pages 28 - 29

Surface Mounting Socket Outlets, IP67



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Surface Mounting Socket Outlets, Straight, IP44



Page 29

Surface Mounting Socket Outlets, Straight, IP67



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Surface Mounting Socket Outlets, Combined



Page 33

Surface Mounting Socket Outlets for Harsh or Aggressive Conditions



Pages 34 - 35

Surface Mounting Socket Outlets with "PSC" (Pilot Switch Contact)



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Surface Mounting Socket Outlets, Domestic



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Combined Surface Mounting Socket Outlets

Surface Mounting Socket Outlets, Fused



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Surface Mounting Socket Outlets, Switched/interlocked



Pages 45 - 47

Surface Mounting Socket Outlets, Switched/Fused



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Surface Mounting Socket Outlets, Switched/interlocked/Fused



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Combined Surface Mounting Socket Outlets for Harsh and/or Aggressive Ambient Conditions

Surface Mounting Socket Outlets, Switched/Interlocked



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Surface Mounting Socket Outlets, Switched/interlocked/Fused



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Panel Mounting Socket Outlets

Panel Mounting Socket Outlets,
Straight, IP44



Pages 56 - 58

Panel Mounting Socket Outlets,
Angled, IP44



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Panel Mounting Socket Outlets,
Straight, IP67



Pages 62 - 64

Panel Mounting Socket Outlets,
Angled, IP67



Pages 65 - 67

Panel Mounting Socket Outlets
with Auxiliary Contact or PSK



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Panel Mounting Socket Outlets,
Domestic



Page 69

Panel Mounting Socket Outlets for
Harsh or Aggressive Conditions



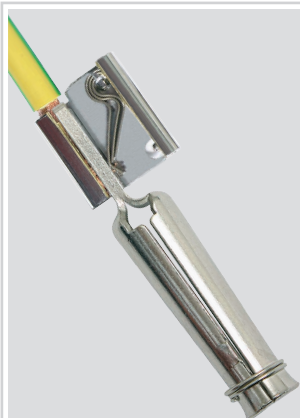
Pages 70 - 71

Accessories
for Sockets



Pages 72 - 73

Technical features



Screwless 63A Kontex contact

Kontex contact

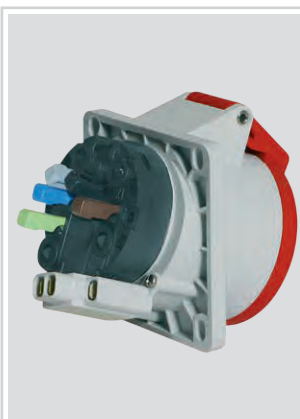
- Defined contacting at the sleeve opening by means of the finely adjustable stainless-steel spring with excellent outstanding insertion and withdrawal forces
- High self-cleaning effect when the plug pin is inserted and removed reduces the risk of soiling and therefore failure of the plug and socket
- Terminal accept all types of conductor without problem



Compact Surface Mounting Socket Outlet

Surface Mounting Socket Outlets Quick-Connect

- Cable entry from above
- Removable insert
- Quick-Connect terminals
- External fastening



HKS Panel Mounting Socket Outlet

HKS panel mounting sockets for elegant control, regulation, monitoring, checking

- Additional auxiliary contact switch (HKS) is actuated by the plug
- Available on CEE angled Panel Mounting Socket Outlets 16A and 32A as well as on Domestic sockets
- Electrical plug interlocking possible
- Potential-free switching
- Switching element, e.g. contactor, can be set separately



Quick-Connect terminals

Screwless Quick-Connect terminals 16A and 32A

- All Quick-Connect sockets are touch-safe
- No wire end ferrules necessary
- Pressing the contact slide with your finger closes the terminal
- Reliable and permanent connection by means of spring-clamp technology
- The damage-free conductor clamping guarantees an optimum connection over the entire service life
- Rewiring without additional handling of the conductor

SURFACE MOUNTING SOCKET OUTLETS

- With screwless Quick-Connect technology
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

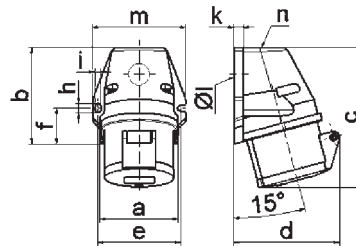
Surface Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- Cable entry 1x at top (open) and 1x at bottom (closed)
- Protection degree IP44

2P+E Ampere	3P+E Poles	110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	3																			10	170
16	4																			10	200
16	5																			10	220
32	3																			10	260
32	4																			10	275
32	5																			10	300



Fig.: Type 112001



1 MB 19

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	59.5	72.4	72.4	79.1	79.1	79.1
b	90.0	90.0	90.0	92.0	92.0	92.0
c	130.0	130.0	131.0	142.0	142.0	142.0
d	85.0	96.0	98.0	103.0	103.0	106.0
e	62.0	77.0	77.0	84.0	84.0	84.0
f	33.5	33.5	33.5	30.0	30.0	30.0
h	9.0	9.0	9.0	9.0	9.0	9.0
i	5.5	5.5	5.5	5.5	5.5	5.5
k	8.0	9.0	9.0	9.0	9.0	9.0
l	21.0	21.0	21.0	21.0	21.0	21.0
m	72.0	87.0	87.0	94.0	94.0	94.0
n	M20	M25	M25	M25	M25	M25
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

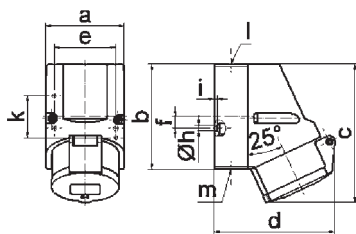
Surface Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- Cable entry 1x at top (open), 1x at bottom and 1x at rear (closed)
- Base rotatable by 180°
- Protection degree IP44

2P+E Ampere	3P+E Poles	110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	3																			10	185
16	4																			10	240
16	5																			10	260



Fig.: Type 11906



1 MB 7

Ampere Poles	16 3	16 4	16 5			
a	64.0	75.0	75.0			
b	87.0	100.0	100.0			
c	117.0	129.0	131.0			
d	103.0	108.0	116.0			
e	51.0	59.0	59.0			
f	-	11.0	11.0			
h	4.1	5.1	5.1			
i	4.5	4.5	4.5			
k	40.0	-	-			
l	M20	M20	M20			
m	for M20	for M20	for M20			
Cond. mm² min	1.5	1.5	1.5			
Cond. mm² max	4	4	4			

Surface Mounting Socket Outlet Quick-Connect

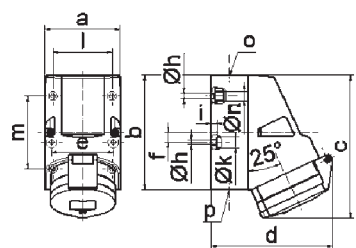
- Screwless terminals
- Kontex contact
- Cable entry 1x at top (open), 2x at bottom (closed)
- Base rotatable by 180°
- Suitable for feed-through wiring with special terminals
- Protection degree IP44

2P+E Ampere	3P+E Poles	110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	4																			10	305
16	5																			10	325
32	3																			10	350
32	4																			10	365
32	5																			10	405
16	5																			10	330

Double terminal



Fig.: Type 11909



1 MB 2

Ampere Poles	16 4	16 5	32 3	32 4	32 5
a	83.0	83.0	83.0	83.0	83.0
b	126.0	126.0	126.0	126.0	126.0
c	153.0	155.0	155.0	155.0	155.0
d	127.0	130.0	130.0	130.0	136.0
e	68.0	68.0	68.0	68.0	68.0
f	11.0	11.0	11.0	11.0	11.0
h	5.5	5.5	5.5	5.5	5.5
i	6.5	6.5	6.5	6.5	6.5
k	12.0	12.0	12.0	12.0	12.0
l	65.0	65.0	65.0	65.0	65.0
m	80.0	80.0	80.0	80.0	80.0
n	10.0	10.0	10.0	10.0	10.0
o	M25	M25	M25	M25	M25
p	2x M25	2x M25	2x M25	2x M25	2x M25
Cond. mm² min	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	10	10	10

SURFACE MOUNTING SOCKET OUTLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

Surface Mounting Socket Outlet Quick-Connect, straight

- Screwless terminals
- Kontex contact
- Cable entry 7x M20/25
- With large wiring space
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3		110542	110541	110543				10	320
16	4		110545	110544	110546				10	335
16	5		110548	110547	110549				10	355
32	3		110551	110550	110552				10	380
32	4		110554	110553	110555				10	395
32	5		110557	110556	110558				10	435

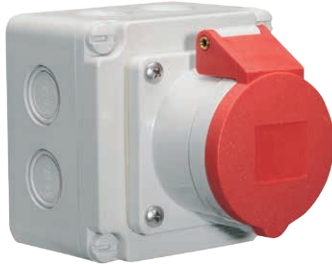
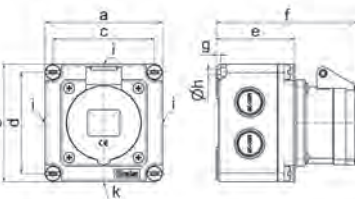


Fig.: Type 110558



1 MB 120

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	102.0	102.0	102.0	102.0	102.0	102.0
b	102.0	102.0	102.0	102.0	102.0	102.0
c	88.0	88.0	88.0	88.0	88.0	88.0
d	88.0	88.0	88.0	88.0	88.0	88.0
e	68.0	68.0	68.0	68.0	68.0	68.0
f	119.0	121.0	122.0	130.0	130.0	131.0
g	4.0	4.0	4.0	4.0	4.0	4.0
h	4.5	4.5	4.5	4.5	4.5	4.5
i	2xM20/25	2xM20/25	2xM20/25	2xM20/25	2xM20/25	2xM20/25
k	M20/25	M20/25	M20/25	M20/25	M20/25	M20/25
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

Surface Mounting Socket Outlet Quick-Connect

- Cable entry 1x at top (open), 2x at bottom (closed)
- Base rotatable by 180°
- Nickel plated contacts
- Kontex contact
- Box terminals
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	4		110415	110445					5	900
63	5		110383						5	945

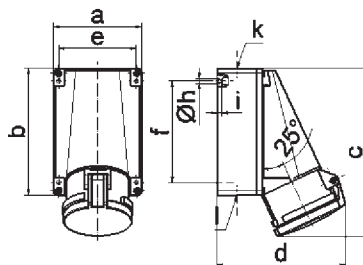
Screw terminal:

63	3	1106	1104	1107	11795	11345	11640	5	780
63	4	1125	1126	1127	1128	11221	11051	5	795
63	5	1129	1130	1124	11208	11429	1108	5	830

In the case of screw terminal Surface Mounting Socket Outlets with PILOT, please add -P to the end of the order number.



Fig.: Type 1124



1 MB 4

Ampere Poles	63 3	63 4	63 5
a	118.0	118.0	118.0
b	170.0	170.0	170.0
c	223.0	223.0	223.0
d	168.0	168.0	168.0
e	104.0	104.0	104.0
f	136.0	136.0	136.0
h	6.1	6.1	6.1
i	6.0	6.0	6.0
k	M40	M40	M40
l	M 32/32	M 32/32	M 32/32
Cond. mm² min	6	6	6
Cond. mm² max	25	25	25

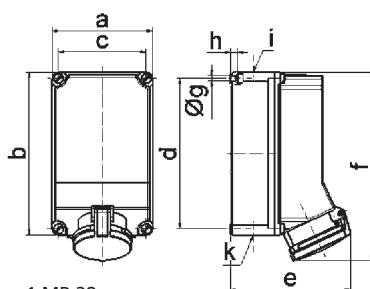
Surface Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Box terminals
- With large wiring space
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	4				110486				1	1580
63	5				110487				1	1690



Fig.: Type 110487



1 MB 28

Ampere Poles	63 4	63 5
a	160.0	160.0
b	260.0	260.0
c	140.0	140.0
d	240.0	240.0
e	184.0	184.0
f	302.0	302.0
g	8.1	8.1
h	10.0	10.0
i	M40	M40
k	M32/40	M32/40
Cond. mm² min	6	6
Cond. mm² max	25	25

SURFACE MOUNTING SOCKET OUTLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

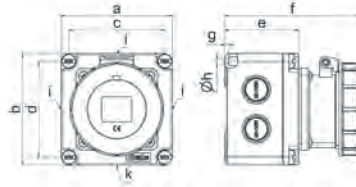
Surface Mounting Socket Outlet Quick-Connect, straight

- Screwless terminals
- Kontex contact
- Cable entry 7x M20/25
- With large wiring space
- Protection degree IP67

	3P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
	2P+E	3P+N+E	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
16	3		110560	110559	110561				10	340
16	4		110563	110564	110562				10	355
16	5		110566	110567	110565				10	375
32	3		110569	110568	110570				10	415
32	4		110572	110571	110573				10	435
32	5		110575	110574	110576				10	470



Fig.: Type 110576



1 MB 121

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	102.0	102.0	102.0	102.0	102.0	102.0
b	102.0	102.0	102.0	102.0	102.0	102.0
c	88.0	88.0	88.0	88.0	88.0	88.0
d	88.0	88.0	88.0	88.0	88.0	88.0
e	68.0	68.0	68.0	68.0	68.0	68.0
f	124.0	125.0	124.0	134.0	134.0	134.0
g	4.0	4.0	4.0	4.0	4.0	4.0
h ø	4.5	4.5	4.5	4.5	4.5	4.5
i	2xM20/25	2xM20/25	2xM20/25	2xM20/25	2xM20/25	2xM20/25
k	M20/25	M20/25	M20/25	M20/25	M20/25	M20/25
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

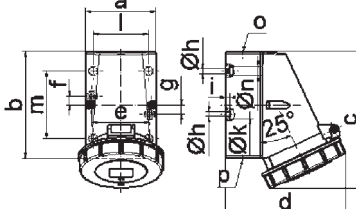
Surface Mounting Socket Outlet

- Screw terminals
- Cable entry 1x at top (open), with 16A 1x and with 32A 2x at bottom (closed)
- Base rotatable by 180°
- Protection degree IP67

	3P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
	2P+E	3P+N+E	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
16	3		1132	1133	1134	11320	11350	11027	10	210
16	4		1135	1136	1137	1138	1139	1140	10	265
16	5		1141	1142	1143	11343	11390	11342	10	300
32	3		1144	1145	1146				10	395
32	4		1147	1148	1149	1150	1151	1152	10	415
32	5		1153	1154	1155	11326	11432	11025	10	450



Fig.: Type 1155



1 MB 13

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	64.0	75.0	75.0	83.0	83.0	83.0
b	87.0	100.0	100.0	126.0	126.0	126.0
c	115.0	130.0	130.0	160.0	160.0	160.0
d	103.0	110.0	115.0	129.0	129.0	135.0
e	51.0	59.0	59.0	68.0	68.0	68.0
f	20.0	11.0	11.0	11.0	11.0	11.0
g	20.0	-	-	-	-	-
h ø	4.1	5.1	5.1	5.5	5.5	5.5
i	4.5	4.5	4.5	6.5	6.5	6.5
k ø	8.0	10.0	10.0	12.0	12.0	12.0
l	-	-	-	65.0	65.0	65.0
m	-	-	-	80.0	80.0	80.0
n ø	-	-	-	10.0	10.0	10.0
o	M20	M20	M20	M25	M25	M25
p	for M20	für M20	for M20	2x M25	2x M25	2x M25
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

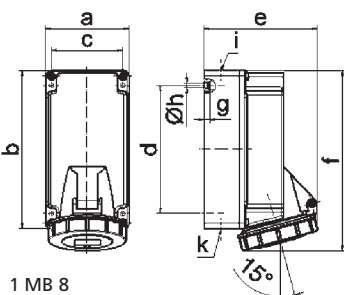
Surface Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- High-temperature-resistant contact carrier
- Nickel plated contacts
- With large wiring space
- Protection degree IP67

	3P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
	2P+E	3P+N+E	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
16	3		11579	11492			110436		1	430
16	4			11630	11493	11155			1	450
16	5		11566		110094		110435		1	480



Fig.: Type 110094



1 MB 8

Ampere Poles	16 3	16 4	16 5			
a	90.0	90.0	90.0			
b	170.0	170.0	170.0			
c	77.0	77.0	77.0			
d	137.5	137.5	137.5			
e	108.0	115.0	122.0			
f	191.5	191.5	195.0			
g	6.5	6.5	6.5			
h ø	5.5	5.5	5.5			
i	M20	M20	M20			
k	M20/25	M20/25	M20/25			
Cond. mm² min	1.5	1.5	1.5			
Cond. mm² max	4	4	4			

SURFACE MOUNTING SOCKET OUTLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

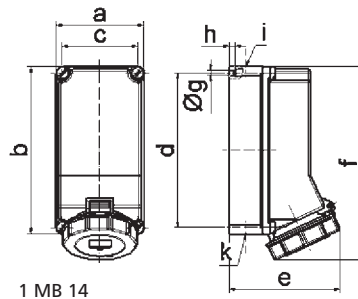
Surface Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- High-temperature-resistant contact carrier
- Nickel plated contacts
- With large wiring space
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
32	3		11580	11496	11879				1	825
32	4			11555	11461	11156			1	830
32	5				110075				1	850



Fig.: Type 110075



1 MB 14

Ampere Poles	32 3	32 4	32 5			
a	118.0	118.0	118.0			
b	225.0	225.0	225.0			
c	101.0	101.0	101.0			
d	208.0	208.0	208.0			
e	143.0	143.0	149.0			
f	255.0	255.0	255.0			
g ø	6.5	6.5	6.5			
h	8.0	8.0	8.0			
i	2xM25	2xM25	2xM25			
k	2xM25	2xM25	2xM25			
Cond. mm² min	2.5	2.5	2.5			
Cond. mm² max	10	10	10			

Surface Mounting Socket Outlet

- Cable entry 1x at top (open), 1x at bottom (closed)
- Nickel plated contacts
- Base rotatable by 180°
- Kontex contact
- Box terminals
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
63	4				110416	110446			5	960
63	5				110413				5	1005

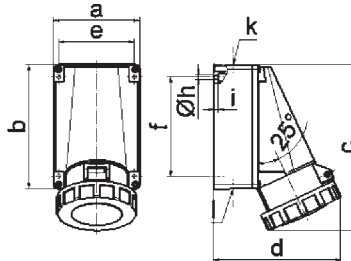
Screw terminal:

63	3	1156	1157	1158			11748	5	800
63	4	1159	1160	1161	1162	11433	11341	5	840
63	5	1163	1164	1112	11017	11368	11126	5	875

In the case of screw terminal Surface Mounting Socket Outlets with PILOT, please add -P to the end of the order number.



Fig.: Type 1112



1 MB 3

Ampere Poles	63 3	63 4	63 5			
a	118.0	118.0	118.0			
b	170.0	170.0	170.0			
c	228.0	228.0	228.0			
d	176.0	176.0	176.0			
e	104.0	104.0	104.0			
f	136.0	136.0	136.0			
h ø	6.1	6.1	6.1			
i	6.0	6.0	6.0			
k	M40	M40	M40			
l	M32/32	M32/32	M32/32			
Cond. mm² min	6	6	6			
Cond. mm² max	25	25	25			

Surface Mounting Socket Outlet

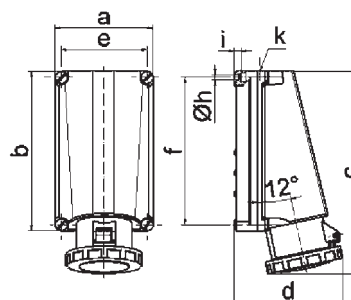
- Screw terminals
- Cable entry 1x M50 at top
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
125	3		11436	11437	11438	110452			1	1535
125	4		11439	11440	11441	11442	11443	11444	1	1965
125	5		11445	11446	11447			110468	1	2085

In the case of screw terminal Surface Mounting Socket Outlets with PILOT, please add -P to the end of the order number.



Fig.: Type 11447



1 MB 20

Ampere Poles	125 3	125 4	125 5			
a	160.0	160.0	160.0			
b	260.0	260.0	260.0			
c	330.0	330.0	330.0			
d	168.0	168.0	168.0			
e	140.0	140.0	140.0			
f	240.0	240.0	240.0			
h ø	8.3	8.3	8.3			
i	10.0	10.0	10.0			
k	M50	M50	M50			
Cond. mm² min	25	25	25			
Cond. mm² max	70	70	70			

SURFACE MOUNTING SOCKET OUTLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

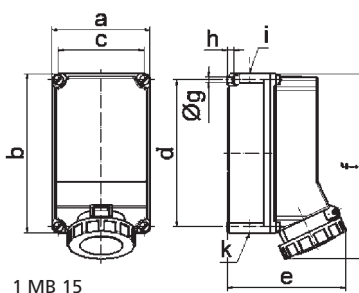
Surface Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Box terminals
- With large wiring space
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	4				110488				1	1620
63	5				110489				1	1730



Fig.: Type 110489



1 MB 15

Ampere Poles	63 4	63 5				
a	160.0	160.0				
b	260.0	260.0				
c	140.0	140.0				
d	240.0	240.0				
e	195.0	195.0				
f	304.0	304.0				
g Ø	8.1	8.1				
h	10.0	10.0				
i	M40	M40				
k	M32/40	M32/40				
Cond. mm² min	6	6				
Cond. mm² max	25	25				

Surface Mounting Socket Outlet

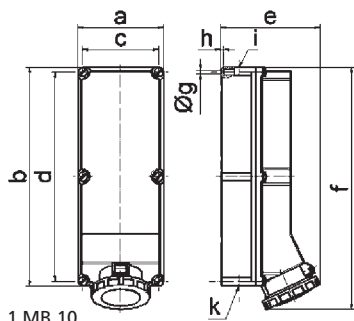
- Screw terminals
- Kontex contact
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Box terminals
- With large wiring space
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
125	3			11476					1	2850
125	4				11477	11478			1	2900
125	5				11479				1	3195

Products with PILOT please add "P" to the ref.no.



Fig.: Type 11479



1 MB 10

Ampere Poles	125 3	125 4	125 5			
a	180.0	180.0	180.0			
b	460.0	460.0	460.0			
c	160.0	160.0	160.0			
d	440.0	440.0	440.0			
e	208.0	208.0	208.0			
f	510.0	510.0	510.0			
g Ø	8.3	8.3	8.3			
h	6.5	6.5	6.5			
i	M40	M40	M40			
k	M40/50	M40/50	M40/50			
Cond. mm² min	25	25	25			
Cond. mm² max	70	70	70			

TK-COMBI SOCKETS

- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

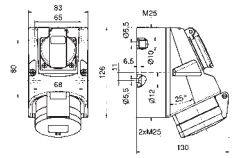
TK-Combi Socket Quick-Connect

- Screwless terminals
- With terminals, with wiring (ready wired for installation)
- 109-QC with fuse base 5 x 20 mm
- With integrated domestic socket 16A/230V ~ (system F - German earthing System)
- Protection degree IP44

Accessories: see page 73



Fig.: Type 1010



1 MB 122

3	4	5	230V 50-60 Hz	400V 50-60 Hz	9	9
2P+E	3P+E	3P+N+E	4pol 5pol 9h 9h	4pol 5pol 6h 6h	Stück	Stück
16	5			109-QC	10	
16	5			1010-QC	10	

TK-Combi Socket

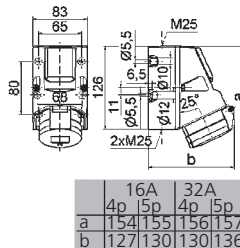
- With terminals, without wiring
- With integrated domestic socket 16A/230V ~ (system F - German earthing System)
- Protection degree IP44

¹⁾ In the case of wiring using only one supply cable, use fuse base type 1862

Accessories: see page 73



Fig.: Type 108



1 MB 17

3	4	5	230V 50-60 Hz	400V 50-60 Hz	9	9
2P+E	3P+E	3P+N+E	4pol 5pol 9h 9h	4pol 5pol 6h 6h	Stück	Stück
16	4		1012		10	400
16	5			107	10	410
32 ¹⁾	5			108	10	465

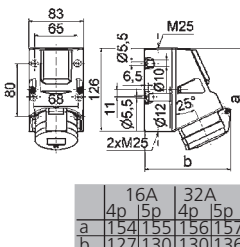
TK-Combi Socket

- With terminals, with wiring (ready wired for installation)
- With integrated domestic socket 16A/230V ~ (system F - German earthing System)
- Protection degree IP44

Accessories: see page 73



Fig.: Type 1010



1 MB 17

3	4	5	230V 50-60 Hz	400V 50-60 Hz	9	9
2P+E	3P+E	3P+N+E	4pol 5pol 9h 9h	4pol 5pol 6h 6h	Stück	Stück
16	4		1013		10	420
16	5				10	460

TK-Combi Socket

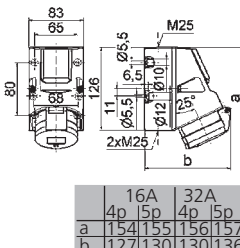
- With terminals, with wiring (ready wired for installation)
- With fuse base 5 x 20 mm DIN 41671
- With integrated domestic socket 16A/230V ~ (system F - German earthing System)
- Protection degree IP44

²⁾ 2x fuse bases

Accessories: see page 73



Fig.: Type 1011



1 MB 17

3	4	5	230V 50-60 Hz	400V 50-60 Hz	9	9
2P+E	3P+E	3P+N+E	4pol 5pol 9h 9h	4pol 5pol 6h 6h	Stück	Stück
16	5			109	10	500
32 ²⁾	4		1020		10	515
32	5			1011	10	510

TK-Combi Socket

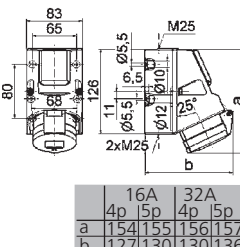
- Belgian/French system
- With terminals, with wiring (ready wired for installation)
- With fuse base 5 x 20 mm DIN 41671
- With integrated domestic socket 16A/230V ~ (system F - German earthing System)
- Protection degree IP44

²⁾ 2x fuse bases

Accessories: see page 73



Fig.: Type 1018



1 MB 17

3	4	5	230V 50-60 Hz	400V 50-60 Hz	9	9
2P+E	3P+E	3P+N+E	4pol 5pol 9h 9h	4pol 5pol 6h 6h	Stück	Stück
16 ²⁾	4		1017		10	450
16	5			1015	10	500
32 ²⁾	4		1019		10	515
32	5			1018	10	510

SURFACE MOUNTING SOCKET OUTLETS

- Particularly suitable for harsh operating conditions, especially resistant to aggressive atmospheres
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

Surface Mounting Socket Outlet Quick-Connect TE

Screwless terminals

- Kontex contact
- For loopthrough
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 28/3 (1 MB 2)



Fig.: Type 11990

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	4		6h	9h	9h	9h	6h	6h	7h	7h	7h	10	320
16	5											10	330
32	3											10	360
32	4											10	380
32	5											10	420

Surface Mounting Socket Outlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 29/2 (1 MB 4)



Fig.: Type 11799

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
63	3		6h	9h	9h	9h	6h	6h	7h	7h	7h	5	825
63	4											5	885
63	5											5	900

Products with PILOT please add "P" to the ref.no.

Surface Mounting Socket Outlet Quick-Connect TE

Screwless terminals

- Kontex contact
- For loopthrough
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 11451

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	3		6h	9h	9h	9h	6h	6h	7h	7h	7h	1	410
16	4											1	430
16	5											1	450

Surface Mounting Socket Outlet Quick-Connect TE

Screwless terminals

- Kontex contact
- For loopthrough
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 110000

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	5											1	650
32	3											1	755
32	4											1	770
32	5											1	785

Surface Mounting Socket Outlet TE

- Screw terminals
- For loopthrough
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 29/3 (1 MB 28)



Fig.: Type 11803

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
63	3		6h	9h	9h	9h	6h	6h	7h	7h	7h	1	1600
63	4											1	1610
63	5											1	1720

Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS

- Particularly suitable for harsh operating conditions, especially resistant to aggressive atmospheres
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP67

Surface Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- For loopthrough
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 30/3 (1 MB 8)



Fig.: Type 11455

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
			3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
16	3		11452	110387	110388	1	430
16	4		11790	11453	110020	1	450
16	5			11455		1	480

Surface Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- For loopthrough
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 31/1 (1 MB 14)



Fig.: Type 110017

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
			3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
32	3		110014			1	825
32	4			110015	110016	1	845
32	5			110017		1	860

Surface Mounting Socket Outlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 31/2 (1 MB 3)



Fig.: Type 11825

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
			3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
63	3		11822			5	900
63	4			11823	11824	5	920
63	5			11825		5	950

Products with PILOT please add "P" to the ref.no.

Surface Mounting Socket Outlet TE

- Screw terminals
- For loopthrough
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 32/1 (1 MB 15)



Fig.: Type 11829

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
			3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
63	3		11826			1	1610
63	4			11827	11828	1	1620
63	5			11829		1	1640

Products with PILOT please add "P" to the ref.no.

Surface Mounting Socket Outlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 32/2 (1 MB 10)



Fig.: Type 11815

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
			3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
125	3		11812			1	2850
125	4			11813	11814	1	2900
125	5			11815		1	3195

Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS WITH PSC INTERLOCKING

- With electrical PSC interlocking
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44, IP67

Surface Mounting Socket Outlet

- With electrical PSC interlocking and additionally M20 at top
- High-temperature-resistant contact carrier
- Kontex contact
- Box terminals
- Protection degree IP44

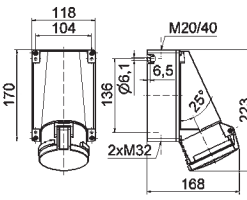


Fig.: Type 11787

1 MB 36

Ampere	Poles	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		4pol 5pol 6h 6h	4pol 5pol 7h 7h		
63	4	11785	11786	5	860
63	5	11787		5	900

Surface Mounting Socket Outlet

- With electrical PSC interlocking,
- Contactor and additionally M20 at top
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Kontex contact
- Box terminals
- Protection degree IP44

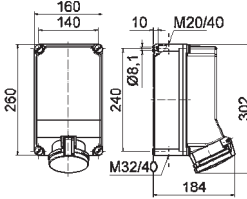


Fig.: Type 16873

1 MB 38

Ampere	Poles	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		4pol 5pol 6h 6h	4pol 5pol 7h 7h		
63	4	16871	16872	1	
63	5	16873		1	

Other brands of contactors on request.

Surface Mounting Socket Outlet

- With electrical PSC interlocking and additionally M20 at top
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Kontex contact
- Box terminals
- Protection degree IP67

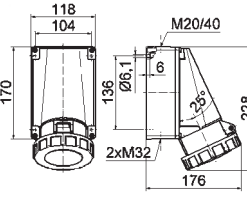


Fig.: Type 11038

1 MB 31

Ampere	Poles	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		4pol 5pol 6h 6h	4pol 5pol 7h 7h		
63	4	11052	11014	5	875
63	5	11038		5	955

Surface Mounting Socket Outlet

- With electrical PSC interlock,
- Contactor and additionally M20 at top
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Kontex contact
- Box terminals
- Protection degree IP67

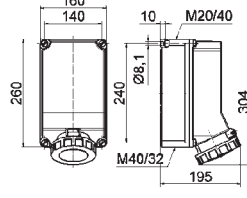


Fig.: Type 16072

1 MB 32

Ampere	Poles	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		4pol 5pol 6h 6h	4pol 5pol 7h 7h		
63	4	16070	16071	1	
63	5	16072		1	2915

Other brands of contactors on request.

Surface Mounting Socket Outlet

- With electrical PSC interlocking and contactor
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Kontex contact
- Box terminals
- Protection degree IP67

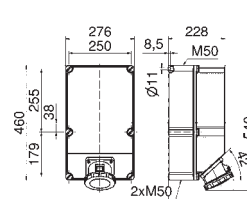


Fig.: Type 1676

30 MB 104

Ampere	Poles	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		4pol 5pol 6h 6h	4pol 5pol 7h 7h		
125	4	1674	1675	1	9100
125	5	1676		1	

Other brands of contactors on request.

SURFACE MOUNTING SOCKET OUTLET DOMESTIC

- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

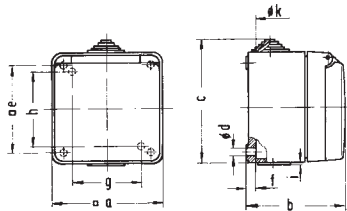
Surface Mounting Socket Outlet

- Straight insertion direction
- Cable entry 1x at top (open),
1x at bottom (closed)
- Protection degree IP44

Matching angled plug: see page 80/3



Fig.: Type 1186



4 MB 16

Ampere	Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g each
		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
16	3	11554	1183	1184		10	235
16	5		1185	1186	11389	10	270
32	5			11190-BE		5	400

Ampere	16	16	32			
Poles	3	5	5			
a □	91.0	91.0	90.0			
b	79.5	79.5	93.0			
c	100.0	100.0	112.5			
d ø	5.5	5.5	5.5			
e □	73.0	73.0	-			
f	7.0	7.0	6.0			
g	-	-	58.0			
h ø	-	-	73.0			
i	-	-	1.5			
k ø	20.0 max.	20.0 max.	8.0/ 20.0			

SURFACE MOUNTING SOCKET OUTLETS, fused

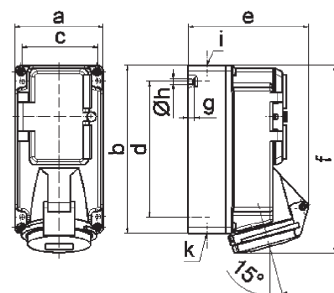
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP44, IP67

Surface Mounting Socket Outlet

- With Din rail
- 5 modules
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 15059



14 MB 3

Ampere Poles	16 3	16 4	16 5			
a	90.0	90.0	90.0			
b	170.0	170.0	170.0			
c	77.0	77.0	77.0			
d	137.5	137.5	137.5			
e	118.0	114.0	121.0			
f	188.5	188.5	190.0			
g	6.0	6.0	6.0			
h ø	5.5	5.5	5.5			
i	M20	M20	M20			
k	M20/25	M20/25	M20/25			

Protection:

- Without fuse protection

			110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
			3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	g each
16	3	15239	15019						1	505
16	4		15095	156					1	520
16	5		15096	15059					1	545

- With 1 or 3-pole fuse base D01



16	3	15382	1500						1	
16	4		1529	158					1	
16	5		1530	159					1	

- With 1 or 3-pole C-type MCB



16	3	15384	1504						1	
16	4		1533	1505					1	
16	5		1534	1506					1	890

- With RCCB 25/0.03A, 2-pole with 16A 3p; 40/0.03A, 4-pole with 16A 4/5p



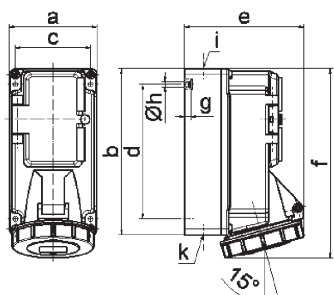
16	3	15386	15101						1	705
16	4		15102	15103					1	
16	5		15104	15105					1	810

Surface Mounting Socket Outlet

- With Din rail
- 5 modules
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 15100



14 MB 6

Ampere Poles	16 3	16 4	16 5			
a	90.0	90.0	90.0			
b	170.0	170.0	170.0			
c	77.0	77.0	77.0			
d	137.5	137.5	137.5			
e	108.0	115.0	121.0			
f	191.5	191.5	191.5			
g	6.0	6.0	6.0			
h ø	5.5	5.5	5.5			
i	M20	M20	M20			
k	M20/25	M20/25	M20/25			

Protection:

- Without fuse protection

			110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
			3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	g each
16	3	15240	15024						1	515
16	4		15097	15098					1	
16	5		15099	15100					1	580

- With 1 or 3-pole fuse base D01



16	3	15383	1501						1	
16	4		1531	1502					1	
16	5		1532	1503					1	

- With 1 or 3-pole C-type MCB



16	3	15385	1507						1	
16	4		1535	1508					1	
16	5		1536	1509					1	

- With RCCB 25/0.03A, 2-pole with 16A 3p; 40/0.03A, 4-pole with 16A 4/5p



16	3	15387	15106						1	725
16	4		15107	15108					1	
16	5		15109	15110					1	835

SURFACE MOUNTING SOCKET OUTLETS, fused

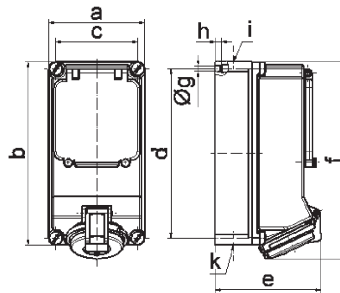
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP44

Surface Mounting Socket Outlet

- With Din rail
- 5 modules
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 1585



14 MB 13

Ampere Poles	16 4	16 5	32 3	32 4	32 5
a	118.0	118.0	118.0	118.0	118.0
b	225.0	225.0	225.0	225.0	225.0
c	101.0	101.0	101.0	101.0	101.0
d	208.0	208.0	208.0	208.0	208.0
e	123.0	130.0	134.0	134.0	141.0
f	242.0	242.0	250.0	250.0	250.0
g	6.5	6.5	6.5	6.5	6.5
h ø	8.0	8.0	8.0	8.0	8.0
i	2x M25	2x M25	2x M25	2x M25	2x M25
k	2x M25	2x M25	2x M25	2x M25	2x M25

Protection:

- Without fuse protection

	3 2P+E	4 3P+E	5 3P+N+E	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
	2P+E	3P+E	3P+N+E	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
16	4					1582	15044			1	
16	5					1583				1	840
32	3			15029	15030					1	675
32	4					1584	15045			1	
32	5					1585				1	930

- With fuse base D01 for 16A and D02 for 32A



16	4					1586				1	
16	5					1587				1	1035
32	3					1537				1	
32	4					1588				1	
32	5					1589				1	1220

- With 3-pole C-type MCB



16	4					1594				1	1185
16	5					1595				1	
32	4					1596				1	
32	5					1597				1	1310

- With RCCB 40/0.03A, 4-pole



16	4					15125				1	
16	5					15076				1	1275
32	4					15126				1	1440
32	5					15077				1	1355

SURFACE MOUNTING SOCKET OUTLETS, fused

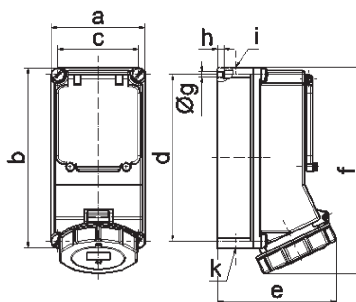
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP67

Surface Mounting Socket Outlet

- With Din rail
- 5 modules
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 15112



14 MB 12

Ampere Poles	16 4	16 5	32 3	32 4	32 5	
a	118.0	118.0	118.0	118.0	118.0	
b	225.0	225.0	225.0	225.0	225.0	
c	101.0	101.0	101.0	101.0	101.0	
d	208.0	208.0	208.0	208.0	208.0	
e	127.0	134.0	143.0	143.0	149.0	
f	245.0	245.0	255.0	255.0	255.0	
g ø	6.5	6.5	6.5	6.5	6.5	
h	8.0	8.0	8.0	8.0	8.0	
i	2x M25	2x M25	2x M25	2x M25	2x M25	
k	2x M25	2x M25	2x M25	2x M25	2x M25	

Protection:

- Without fuse protection

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h
16	4					15027	15176		1 950
16	5					15028			1 980
32	3			15388	15352				1 1000
32	4					15111	15177		1 1020
32	5					15112			1 1160

- With fuse base
D01 for 16A and D02 for 32A



16	4					15113			1 1150
16	5					15114			1 1180
32	3			1565					1 1200
32	4					15115			1 1220
32	5					15116			1 1360

- With 3-pole C-type MCB



16	4					15121			1 1250
16	5					15122			1 1280
32	4					15123			1 1320
32	5					15124			1 1460

- With RCCB 40/0.03A, 4-pole



16	4					15127			1 1410
16	5					15078			1 1440
32	4					15128			1 1480
32	5					15079			1 1520

SURFACE MOUNTING SOCKET OUTLETS, fused

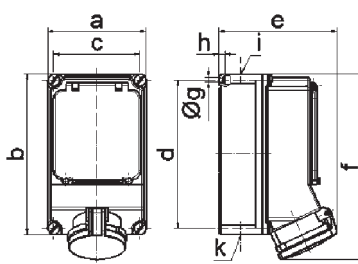
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP44

Surface Mounting Socket Outlet

- With Din rail
- 7 modules
- 63A with box terminals and Kontex contact
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 15036



14 MB 14

Ampere Poles	32 4	32 5	63 3	63 4	63 5
a	160.0	160.0	160.0	160.0	160.0
b	260.0	260.0	260.0	260.0	260.0
c	140.0	140.0	140.0	140.0	140.0
d	240.0	240.0	240.0	240.0	240.0
e	160.0	168.0	185.0	185.0	185.0
f	286.0	286.0	303.0	303.0	303.0
g ø	8.1	8.1	8.1	8.1	8.1
h	10.0	10.0	10.0	10.0	10.0
i	M40	M40	M40	M40	M40
k	M32/40	M32/40	M32/40	M32/40	M32/40

Protection:

- Without fuse protection

	32 4	32 5	63 3	63 4	63 5	Qty	each
110V 50-60 Hz							
230V 50-60 Hz							
400V 50-60 Hz							
500V 50-60 Hz							
100-300Hz > 50V							
301-500Hz > 50V							
32 4	15129	15172				1	
32 5	15130					1	
63 3			15052			1	
63 4			15035			1	
63 5			15036			1	2165

- With fuse base D02



32 4	15131					1	
32 5	15132					1	
63 3	15058					1	
63 4	15081					1	
63 5	15082					1	2165

- With 3-pole C-type MCB



32 4	15138					1	
32 5	15139					1	
63 4	15140					1	
63 5	15141					1	

- With RCCB 40/0.03A, 4-pole for 32A; 63/0.03A, 4-pole for 63A



32 4	15146					1	
32 5	15147					1	1915
63 4	15148					1	
63 5	15017					1	2251

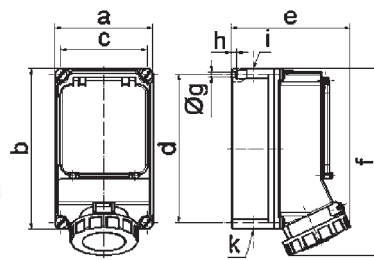
Products with PILOT please add "P" to the ref.no.

- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP67

- With Din rail
- 7 modules
- 63A with box terminals and Kontex contact
- Nickel plated contacts
- Protection degree IP67



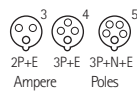
Fig.: Type 15001



14 MB 11

Ampere Poles	32 4	32 5	63 4	63 5			
a	160.0	160.0	160.0	160.0			
b	260.0	260.0	260.0	260.0			
c	140.0	140.0	140.0	140.0			
d	240.0	240.0	240.0	240.0			
e	172.0	174.0	195.0	195.0			
f	293.0	294.0	304.0	304.0			
g ø	8.1	8.1	8.1	8.1			
h	10.0	10.0	10.0	10.0			
i	M40	M40	M40	M40			
k	M32/40	M32/40	M32/40	M32/40			

- Without fuse protection



110V
50-60 Hz
3pol 4pol 5pol
4h 4h 4h

230V
50-60 Hz

400V
50-60 Hz
3pol 4pol 5pol
9h 6h 6h

500V
50-60 Hz
3pol 4pol 5pol
7h 7h 7h

100-300h
> 50V
3pol 4pol 5pol
10h 10h 10h

301-500Hz
> 50V
3pol 4pol 5pol
2h 2h 2h



g
each



32	4	<u>1598</u>	<u>15174</u>	1	
32	5	<u>1599</u>		1	
63	4	<u>15000</u>	<u>15175</u>	1	1850
63	5	<u>15001</u>		1	1950
32	4	<u>15133</u>		1	
32	5	<u>15134</u>		1	
63	4	<u>15083</u>		1	
63	5	<u>15013</u>		1	
32	4	<u>15142</u>		1	
32	5	<u>15143</u>		1	
63	4	<u>15144</u>		1	
63	5	<u>15145</u>		1	
32	4	<u>15149</u>		1	
32	5	<u>15150</u>		1	1970
63	4	<u>15151</u>		1	
63	5	<u>15080</u>		1	2315

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SURFACE MOUNTING SOCKET OUTLETS, fused

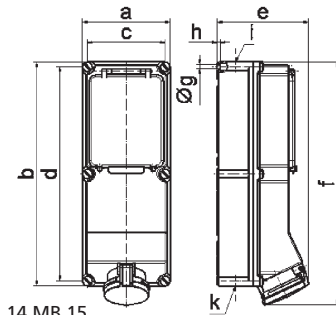
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP44

Surface Mounting Socket Outlet

- With Din rail
- 8 modules
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP44



Fig.: Type 15038



14 MB 15

Ampere Poles	63 4	63 5							
a	180.0	180.0							
b	460.0	460.0							
c	160.0	160.0							
d	440.0	440.0							
e	182.0	182.0							
f	498.0	498.0							
g ø	8.3	8.3							
h	6.5	6.5							
i	M40	M40							
k	M32/40	M32/40							

Protection:

- Without fuse protection

	3 2P+E Ampere	4 3P+E Poles	5 3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	4					15155	15156			1	3800
63	5					15038				1	2830

- With load-break switch NH00



63	4					15152	15153			1	
63	5					15154				1	3390

- With RCCB 63/0.03A, 4-pole



63	4					15161				1	
63	5					15162				1	

- With RCCB 63/0.3A, 4-pole



63	4					15163				1	
63	5					15164				1	

Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS, fused

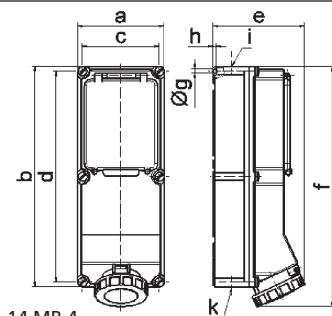
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP67

Surface Mounting Socket Outlet

- With Din rail
- 8 modules
- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 15047



14 MB 4

Ampere Poles	63 3	63 4	63 5	125 4	125 5	
a	180.0	180.0	180.0	180.0	180.0	
b	460.0	460.0	460.0	460.0	460.0	
c	160.0	160.0	160.0	160.0	160.0	
d	440.0	440.0	440.0	440.0	440.0	
e	191.0	191.0	191.0	210.0	210.0	
f	500.0	500.0	500.0	512.0	512.0	
g ø	8.3	8.3	8.3	8.3	8.3	
h	6.5	6.5	6.5	6.5	6.5	
i	M40	M40	M40	M40	M40	
k	M32/40	M32/40	M32/40	M40/50	M40/50	

Protection:

- Without fuse protection

			110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
			3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	g each
63	3	15072							1	
63	4	1580			15157				1	
63	5	15047							1	2890
125	4	15158			15159				1	
125	5	15160							1	3800

- With RCCB 63/0.03A, 4-pole for 63A; 125/0.3A, 4-pole for 125A



63	4	15165							1	
63	5	15166							1	3285
125	4	15169							1	
125	5	15170							1	3960

- With RCCB 63/0.3A, 4-pole for 63A; 125/0.5A, 4-pole for 125A



63	4	15167							1	
63	5	15168							1	
125	4	15171							1	
125	5	15075							1	

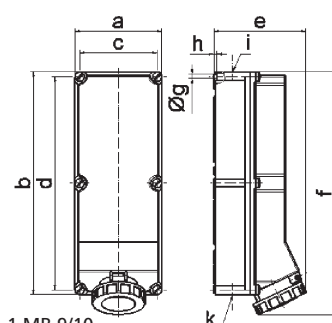
Products with PILOT please add "P" to the ref.no.

Surface Mounting Socket Outlet

- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 15009



1 MB 9/10

Ampere Poles	63 4	63 5	125 4	125 5	
a	180.0	180.0	180.0	180.0	
b	460.0	460.0	460.0	460.0	
c	160.0	160.0	160.0	160.0	
d	440.0	440.0	440.0	440.0	
e	191.0	191.0	210.0	210.0	
f	500.0	500.0	512.0	512.0	
g ø	8.3	8.3	8.3	8.3	
h	6.5	6.5	6.5	6.5	
i	M40	M40	M40	M40	
k	M32/40	M32/40	M40/50	M40/50	

Protection:

- With load-break switch NH00



			110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
			3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	g each
63	4	15006			15042				1	
63	5	15007							1	3455
125	4	15008			15043				1	3715
125	5	15009							1	4030

Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS, switched, interlocked

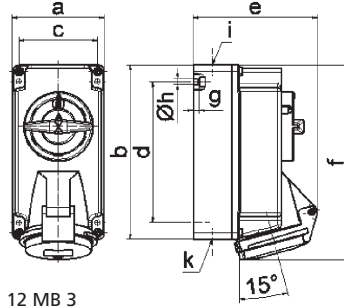
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44
- Enclosure and socket insert made of high-grade plastic
- Opening direction of hinged lid largely prevents penetration of dust, moisture and dirt

Surface Mounting Socket Outlet

- Switched
- Lockable in 0-position
- With mechanical double interlocking
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 1611



12 MB 3

Ampere Poles	16 3	16 4	16 5			
a	90.0	90.0	90.0			
b	170.0	170.0	170.0			
c	77.0	77.0	77.0			
d	137.5	137.5	137.5			
e	108.0	114.0	121.0			
f	188.5	188.5	190.0			
g	6.0	6.0	6.0			
h ø	5.5	5.5	5.5			
i	M20	M20	M20			
k	M20/25	M20/25	M20/25			

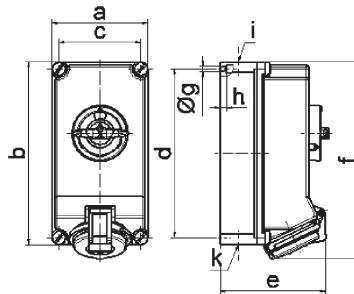
	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
16	3	16008	1619							1	575
16	4		1641			1610	1616			1	605
16	5		1642			1611				1	615

Surface Mounting Socket Outlet

- Switched
- Lockable in 0-position
- With mechanical double interlocking
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 16039



12 MB 24

Ampere Poles	16 4	16 5	32 3	32 4	32 5	
a	118.0	118.0	118.0	118.0	118.0	
b	225.0	225.0	225.0	225.0	225.0	
c	101.0	101.0	101.0	101.0	101.0	
d	208.0	208.0	208.0	208.0	208.0	
e	126.0	134.0	137.0	137.0	144.0	
f	242.0	242.0	251.0	251.0	251.0	
g ø	6.5	6.5	6.5	6.5	6.5	
h	8.0	8.0	8.0	8.0	8.0	
i	2x M25	2x M25	2x M25	2x M25	2x M25	
k	2x M25	2x M25	2x M25	2x M25	2x M25	

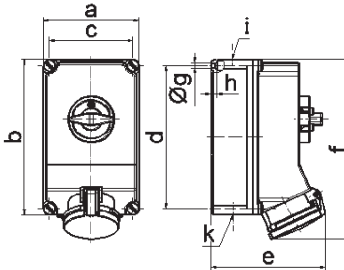
	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
16	4			16058	16038	16064				1	980
16	5				16039					1	1010
32	3	16123	16097							1	1160
32	4		16060		16042	16066				1	1205
32	5				16043					1	1210

Surface Mounting Socket Outlet

- Switched
- Lockable in 0-position
- With mechanical double interlocking
- Nickel plated contacts
- Box terminals
- Protection degree IP44



Fig.: Type 16603



12 MB 30

Ampere Poles	63 3	63 4	63 5			
a	160.0	160.0	160.0			
b	260.0	260.0	260.0			
c	140.0	140.0	140.0			
d	240.0	240.0	240.0			
e	184.0	184.0	184.0			
f	302.0	302.0	302.0			
g ø	8.1	8.1	8.1			
h	10.0	10.0	10.0			
i	M40	M40	M40			
k	M32/40	M32/40	M32/40			

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
63	3	16093	16956							1	2025
63	4		16933		16605	16827				1	2150
63	5				16603	16721				1	2245

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SURFACE MOUNTING SOCKET OUTLETS, switched, interlocked

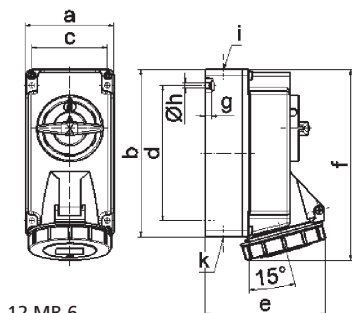
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67
- Enclosure and socket insert made of high-grade plastic
- Opening direction of hinged lid largely prevents penetration of dust, moisture and dirt

Surface Mounting Socket Outlet

- Switched
- Lockable in 0-position
- With mechanical double interlocking
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 160052



12 MB 6

Ampere Poles	16 3	16 4	16 5			
a	90.0	90.0	90.0			
b	170.0	170.0	170.0			
c	77.0	77.0	77.0			
d	137.5	137.5	137.5			
e	108.0	115.0	121.0			
f	191.5	191.5	191.5			
g	6.0	6.0	6.0			
h	5.5	5.5	5.5			
i	M20	M20	M20			
k	M20/25	M20/25	M20/25			

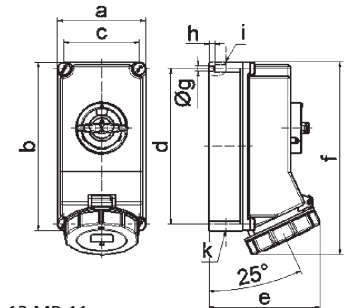
	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E	3P+E	3P+N+E	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
16	3	16138	160048	160056						1	600
16	4		160053	160049	160057					1	625
16	5		160055	160052	160058					1	640

Surface Mounting Socket Outlet

- Switched
- Lockable in 0-position
- With mechanical double interlocking
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 16041



12 MB 11

Ampere Poles	16 4	16 5	32 3	32 4	32 5	
a	118.0	118.0	118.0	118.0	118.0	
b	225.0	225.0	225.0	225.0	225.0	
c	101.0	101.0	101.0	101.0	101.0	
d	208.0	208.0	208.0	208.0	208.0	
e	127.0	134.0	143.0	143.0	149.0	
f	245.0	245.0	255.0	255.0	255.0	
g	6.5	6.5	6.5	6.5	6.5	
h	8.0	8.0	8.0	8.0	8.0	
i	2x M25	2x M25	2x M25	2x M25	2x M25	
k	2x M25	2x M25	2x M25	2x M25	2x M25	

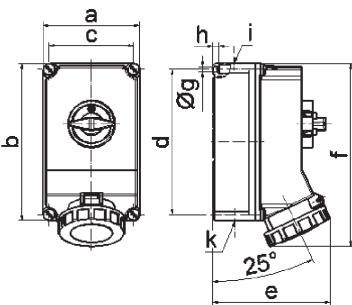
	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E	3P+E	3P+N+E	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
16	4			16059	16040	16065				1	1020
16	5				16041					1	1050
32	3	16124	16104							1	1275
32	4		16875	160178	160179					1	1255
32	5			160177						1	1325

Surface Mounting Socket

- Switched
- Lockable in 0-position
- With mechanical double interlocking
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67



Fig.: Type 16602



12 MB 10

Ampere Poles	63 3	63 4	63 5			
a	160.0	160.0	160.0			
b	260.0	260.0	260.0			
c	140.0	140.0	140.0			
d	240.0	240.0	240.0			
e	195.0	195.0	195.0			
f	304.0	304.0	304.0			
g	8.1	8.1	8.1			
h	10.0	10.0	10.0			
i	M40	M40	M40			
k	M32/40	M32/40	M32/40			

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E	3P+E	3P+N+E	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
63	3	16125	16606							1	2135
63	4		16934	16604	16828					1	2200
63	5			16602	160290					1	2300

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SURFACE MOUNTING SOCKET OUTLETS, switched, interlocked

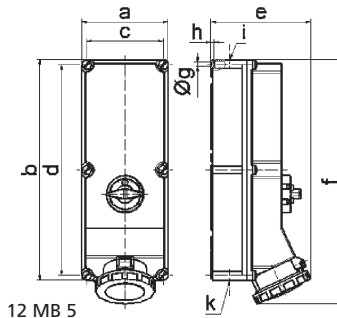
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67
- Enclosure and socket insert made of high-grade plastic
- Opening direction of hinged lid largely prevents penetration of dust, moisture and dirt

Surface Mounting Socket Outlet

- Switched
- Lockable in 0-position
- With mechanical double interlocking
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67



Fig.: Type 16622



12 MB 5

Ampere Poles	125 3	125 4	125 5			
a	180.0	180.0	180.0			
b	460.0	460.0	460.0			
c	160.0	160.0	160.0			
d	440.0	440.0	440.0			
e	208.0	208.0	208.0			
f	510.0	510.0	510.0			
g ø	8.3	8.3	8.3			
h	6.5	6.5	6.5			
i	M40	M40	M40			
k	M40/50	M40/50	M40/50			

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
125	3				16620					1	3605
125	4				16930	16621	16831			1	3635
125	5					16622				1	3950

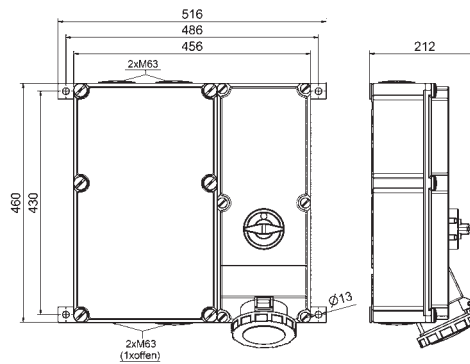
In the case of 125A Surface Mounting Socket Outlets with PILOT, please add -P to the end of the order number.

Surface Mounting Socket Outlet

- Switched
- Lockable in 0-position
- With mechanical double interlocking
- Kontex contact
- Nickel plated contacts
- Box terminals
- Terminals 5x 50mm²
- Protection degree IP67



Fig.: Type 51010578



Z131190

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
125	5									51010578	

SURFACE MOUNTING SOCKET OUTLETS, switched, fused

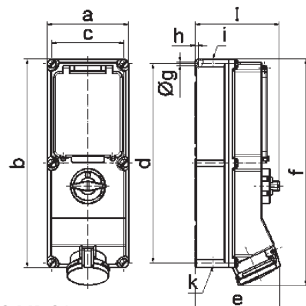
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP44

Surface Mounting Socket Outlet

- Switched
- Lockable in 0-position
- With Din rail
- 6 modules for 16A and 32A, 8 modules for 63A
- 63A with box terminals and Kontex contact
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 17060



12 MB 21

Ampere Poles	16 4	16 5	32 4	32 5	63 4	63 5
a	134.0	134.0	134.0	134.0	180.0	180.0
b	365.0	365.0	365.0	365.0	460.0	460.0
c	117.0	117.0	117.0	117.0	160.0	160.0
d	348.0	348.0	348.0	348.0	440.0	440.0
e	135.0	141.0	146.0	152.0	184.0	184.0
f	382.0	382.0	391.0	391.0	500.0	500.0
g ø	6.5	6.5	6.5	6.5	8.3	8.3
h	8.0	8.0	8.0	8.0	6.5	6.5
i	M25/32	M25/32	M32/40	M32/40	M40	M40
k	M25/32	M25/32	M32/40	M32/40	M32/40	M32/40
l	156.0	156.0	156.0	156.0	189.0	189.0

Protection:

- Without fuse protection

	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16 4		17275	17055	17337			1	
16 5			17056				1	1630
32 4		17276	17057	17338			1	1700
32 5			17058				1	1750
63 4		17277	17059	17339			1	
63 5			17060	17847			1	

- With fuse base D01 for 16A and D02 for 32A and 63A



16 4		17027	1775				1	1775
16 5			1776				1	1830
32 4		17028	1777				1	
32 5			1778				1	2160
63 4		176	174				1	
63 5		177	175				1	3495

- With fuse base DII for 16A and DIII for 32A and 63A



16 4		17032	1783	17233			1	
16 5			1784				1	
32 4		17033	1785	17234			1	
32 5			1786				1	2230
63 4		1734	178	1736			1	
63 5		1735	179				1	3795

- With 3-pole C-type MCB



16 4		17280	17281				1	
16 5			17282				1	1960
32 4		17283	17284				1	
32 5			17285				1	
63 4		17286	17287				1	
63 5			17288				1	

- With C-type MCB and RCCB 40/0.03A for 16A and 32A



16 4		17298	17299				1	
16 5			17300				1	2350
32 4		17301	17302				1	
32 5			17303				1	2675
63 4		17304	17305				1	
63 5			17306				1	3955

- With D02 and RCCB 63/0.03A for 63A



63 4		17037	1793	17335			1	
63 5			1794				1	

- With load-break switch NH00



Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS, switched, fused

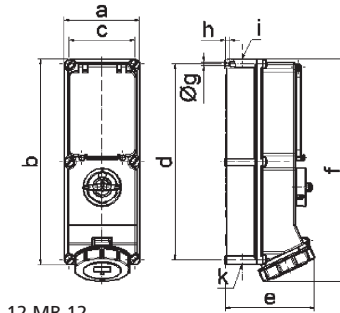
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP67

Surface Mounting Socket Outlet

- Switched
- Lockable in 0-position
- With Din rail
- 6 modules for 16A and 32A, 8 modules for 63A
- 63A with box terminals and Kontex contact
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 17066



12 MB 12

Ampere Poles	16 4	16 5	32 4	32 5	63 4	63 5
a	134.0	134.0	134.0	134.0	180.0	180.0
b	365.0	365.0	365.0	365.0	460.0	460.0
c	117.0	117.0	117.0	117.0	160.0	160.0
d	348.0	348.0	348.0	348.0	440.0	440.0
e	136.0	143.0	152.0	158.0	191.0	191.0
f	389.0	389.0	399.0	399.0	500.0	500.0
g ø	6.5	6.5	6.5	6.5	8.3	8.3
h	8.0	8.0	8.0	8.0	6.5	6.5
i	M25/32	M25/32	M32/40	M32/40	M40	M40
k	M25/32	M25/32	M32/40	M32/40	M32/40	M32/40

Protection:

- Without fuse protection

	3 2P+E	4 3P+E	5 3P+N+E	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16 4				3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	1	
16 5										1	1675
32 4										1	
32 5										1	1800
63 4										1	
63 5										1	3280

- With fuse base D01 for 16A and D02 for 32A and 63A



16 4										1	
16 5										1	
32 4										1	
32 5										1	
63 4										1	
63 5										1	

- With fuse base DII for 16A and DIII for 32A and 63A



16 4										1	
16 5										1	
32 4										1	
32 5										1	
63 4										1	3720
65 5										1	

- With 3-pole C-type MCB



16 4										1	
16 5										1	2000
32 4										1	
32 5										1	
63 4										1	
63 5										1	3715

- With C-type MCB and RCCB 40/0.03A for 16A and 32A



16 4										1	
16 5										1	
32 4										1	
32 5										1	2590
63 4										1	
63 5										1	

- With D02 and RCCB 63/0.03A for 63A



63 4										1	
63 5										1	

- With load-break switch NH00



63 4										1	
63 5										1	

Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS, switched, interlocked, fused

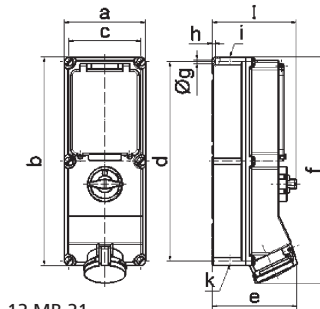
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP44

Surface Mounting Socket Outlet

- Switched
- Interlocked
- Lockable in 0-position
- With Din rail
- 6 modules for 16A and 32A, 8 modules for 63A
- 63A with box terminals and Kontex contact
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 17524



12 MB 21

Ampere Poles	16 4	16 5	32 4	32 5	63 4	63 5
a	134.0	134.0	134.0	134.0	180.0	180.0
b	365.0	365.0	365.0	365.0	460.0	460.0
c	117.0	117.0	117.0	117.0	160.0	160.0
d	348.0	348.0	348.0	348.0	440.0	440.0
e	135.0	141.0	146.0	152.0	184.0	184.0
f	382.0	382.0	391.0	391.0	500.0	500.0
g ø	6.5	6.5	6.5	6.5	8.3	8.3
h	8.0	8.0	8.0	8.0	6.5	6.5
i	M25/32	M25/32	M32/40	M32/40	M40	M40
k	M25/32	M25/32	M32/40	M32/40	M32/40	M32/40
l	156.0	156.0	156.0	156.0	189.0	189.0

Protection:

- Without fuse protection

	3 2P+E	4 3P+E	5 3P+N+E	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16 4					17165	17164	17166			1	1650
16 5						17163				1	
32 4					17167	17168	17169			1	1855
32 5						17170				1	1960
63 4					17521	17522	17523			1	3205
63 5						17524				1	3450

- With fuse base D01 for 16A and D02 for 32A and 63A



16 4					17039	1797				1	
16 5						1798				1	
32 4					17040	1799				1	
32 5						17000				1	
63 4					17525	17526				1	
63 5						17527				1	3720

- With fuse base DII for 16A and DIII for 32A and 63A



16 4					17044	17007	17019			1	2005
16 5						17008				1	
32 4					17045	17009	17020			1	2390
32 5						17010				1	
63 4					17528	17529	17530			1	3740
63 5						17531				1	

- With 3-pole C-type MCB



16 4					17316	17186				1	
16 5						17187				1	
32 4					17317	17188				1	
32 5						17189				1	
63 4					17532	17533				1	
63 5						17534				1	

- With C-type MCB and RCCB 40/0.03A for 16A and 32A



16 4					17322	17323				1	
16 5						17343				1	2430
32 4					17324	17325				1	
32 5						17344				1	2650
63 4					17535	17536				1	
63 5						17537				1	

- With D02 and RCCB 63/0.03A for 63A



63 4					17555	17556	17557			1	3705
63 5						17558				1	

- With load-break switch NH00



63 4					17555	17556	17557			1	3705
63 5						17558				1	

Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS, switched, interlocked, fused

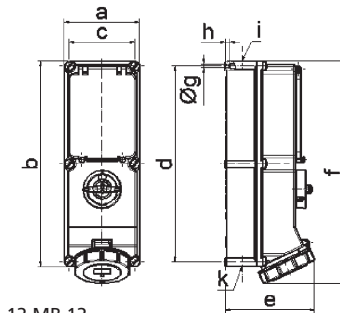
- IEC 60309-1/2, EN 60309, VDE 0623
- Enclosure, window and socket insert made of high-grade plastic
- Protection degree IP67

Surface Mounting Socket Outlet

- Switched
- Interlocked
- Lockable in 0-position
- With Din rail
- 6 modules for 16A and 32A, 8 modules for 63A
- 63A with box terminals and Kontex contact
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 17541



12 MB 12

Ampere Poles	16 4	16 5	32 4	32 5	63 4	63 5
a	134.0	134.0	134.0	134.0	180.0	180.0
b	365.0	365.0	365.0	365.0	460.0	460.0
c	117.0	117.0	117.0	117.0	160.0	160.0
d	348.0	348.0	348.0	348.0	440.0	440.0
e	136.0	143.0	152.0	158.0	191.0	191.0
f	389.0	389.0	399.0	399.0	500.0	500.0
g ø	6.5	6.5	6.5	6.5	8.3	8.3
h	8.0	8.0	8.0	8.0	6.5	6.5
i	M25/32	M25/32	M32/40	M32/40	M40	M40
k	M25/32	M25/32	M32/40	M32/40	M32/40	M32/40

Protection:

- Without fuse protection

	3 2P+E	4 3P+E	5 3P+N+E	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	4			3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	1	1685
16	5									1	1735
32	4									1	1900
32	5									1	2033
63	4									1	3260
63	5									1	3415

- With fuse base D01 for 16A and D02 for 32A and 63A



16	4									1	
16	5									1	
32	4									1	
32	5									1	
63	4									1	
63	5									1	

- With fuse base D0II for 16A and DIII for 32A and 63A



16	4									1	
16	5									1	
32	4									1	
32	5									1	
63	4									1	3790
63	5									1	

- With 3-pole C-type MCB



16	4									1	
16	5									1	
32	4									1	
32	5									1	2305
63	4									1	
63	5									1	

- With C-type MCB and RCCB 40/0.03A for 16A and 32A



16	4									1	
16	5									1	2450
32	4									1	
32	5									1	
63	4									1	
63	5									1	4240

- With D02 and RCCB 63/0.03A for 63A



63	4									1	
63	5									1	3880

- With load-break switch NH00



63	4									1	
63	5									1	3880

Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS switched, interlocked

- Particularly suitable for harsh operating conditions, especially resistant to aggressive atmospheres
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

Surface Mounting Socket Outlet

- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 45/1 (12 MB 3)



Fig.: Type 16907

3 2P+E Ampere	4 3P+E Poles	5 3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g each
16	5		16906	16907		1	655

Surface Mounting Socket Outlet

- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 45/2 (12 MB 24)



Fig.: Type 160180

3 2P+E Ampere	4 3P+E Poles	5 3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g each
16	5			160180		1	1010

Surface Mounting Socket Outlet

- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 45/2 (12 MB 24)



Fig.: Type 160181

3 2P+E Ampere	4 3P+E Poles	5 3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g each
32	5			160181		1	1295

Surface Mounting Socket Outlet

- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 45/3 (12 MB 30)



Fig.: Type 16901

3 2P+E Ampere	4 3P+E Poles	5 3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g each
63	5			16901		1	2245

Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS switched, interlocked

- Particularly suitable for harsh operating conditions, especially resistant to aggressive atmospheres
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP67

Surface Mounting Socket Outlet

- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 46/1 (12 MB 6)



Fig.: Type 16916

3 2P+E Ampere	4 3P+E Poles	5 3P+N+E	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
16	5		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	1	690

Surface Mounting Socket Outlet

- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 46/2 (12 MB 11)



Fig.: Type 160182

3 2P+E Ampere	4 3P+E Poles	5 3P+N+E	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
16	5		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	1	1095

Surface Mounting Socket Outlet

- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 46/2 (12 MB 11)



Fig.: Type 160184

3 2P+E Ampere	4 3P+E Poles	5 3P+N+E	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
32	5		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	1	1400

Surface Mounting Socket Outlet

- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 46/3 (12 MB 10)



Fig.: Type 16886

3 2P+E Ampere	4 3P+E Poles	5 3P+N+E	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
63	5		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	1	2315

Surface Mounting Socket Outlet

- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 47/1 (12 MB 5)



Fig.: Type 16890

3 2P+E Ampere	4 3P+E Poles	5 3P+N+E	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
125	5		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	1	4065

Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS

switched, interlocked, fused

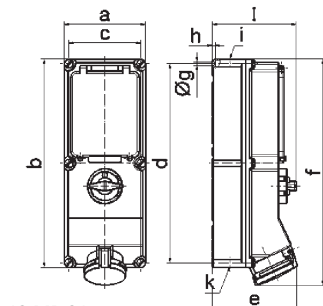
- Particularly suitable for harsh operating conditions, especially resistant to aggressive atmospheres
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

Surface Mounting Socket Outlet

- Switched, interlocked
- Lockable in 0-position
- With Din rail, 6 modules for 16A and 32A, 8 modules for 63A
- High-temperature-resistant contact carrier
- Nickel plated contacts
- 63A: Box terminals and Kontex contact
- Protection degree IP44



Fig.: Type 17566



12 MB 21

Ampere Poles	16 4	16 5	32 4	32 5	63 4	63 5
a	134.0	134.0	134.0	134.0	180.0	180.0
b	365.0	365.0	365.0	365.0	460.0	460.0
c	117.0	117.0	117.0	117.0	160.0	160.0
d	348.0	348.0	348.0	348.0	440.0	440.0
e	135.0	141.0	146.0	152.0	184.0	184.0
f	382.0	382.0	391.0	391.0	500.0	500.0
g ø	6.5	6.5	6.5	6.5	8.3	8.3
h	8.0	8.0	8.0	8.0	6.5	6.5
i	M25/32	M25/32	M32/40	M32/40	M40	M40
k	M25/32	M25/32	M32/40	M32/40	M32/40	M32/40
l	156.0	156.0	156.0	156.0	189.0	189.0

Protection:

- Without fuse protection

110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
------------------	------------------	------------------	------------------	--------------------	--------------------	-----	--------

16	5	17608				1	
----	---	-------	--	--	--	---	--

32	5	17612				1	
----	---	-------	--	--	--	---	--

63	5	17566				1	
----	---	-------	--	--	--	---	--

- With fuse base
D01 for 16A and
D02 for 32A and 63A



16	5	17615				1	
----	---	-------	--	--	--	---	--

32	5	17618				1	
----	---	-------	--	--	--	---	--

63	5	17569				1	3880
----	---	-------	--	--	--	---	------

- With fuse base
DII for 16A and
DIII for 32A and 63A



16	5	17622				1	
----	---	-------	--	--	--	---	--

32	5	17626				1	
----	---	-------	--	--	--	---	--

63	5	17573				1	
----	---	-------	--	--	--	---	--

- With 3-pole C-type MCB



16	5	17629				1	
----	---	-------	--	--	--	---	--

32	5	17632				1	
----	---	-------	--	--	--	---	--

63	5	17576				1	
----	---	-------	--	--	--	---	--

- With C-type MCB and
RCCB 40/0.03A for 16A
and 32A



16	5	17635				1	
----	---	-------	--	--	--	---	--

32	5	17638				1	
----	---	-------	--	--	--	---	--

63	5	17579				1	
----	---	-------	--	--	--	---	--

- With D02 and
RCCB 63/0.03A for 63A



Products with PILOT please add "P" to the ref.no.

SURFACE MOUNTING SOCKET OUTLETS switched, interlocked, fused

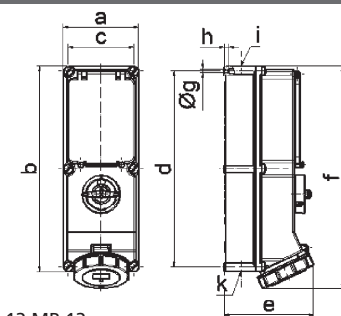
- Particularly suitable for harsh operating conditions, especially resistant to aggressive atmospheres
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP67

Surface Mounting Socket Outlet

- Switched, interlocked
- Lockable in 0-position
- With Din rail, 6 modules for 16A and 32A, 8 modules for 63A
- High-temperature-resistant contact carrier
- Nickel plated contacts
- 63A: Box terminals and Kontex contact
- Protection degree IP67



Fig.: Type 17583



12 MB 12

Ampere Poles	16 4	16 5	32 4	32 5	63 4	63 5
a	134.0	134.0	134.0	134.0	180.0	180.0
b	365.0	365.0	365.0	365.0	460.0	460.0
c	117.0	117.0	117.0	117.0	160.0	160.0
d	348.0	348.0	348.0	348.0	440.0	440.0
e	136.0	143.0	152.0	158.0	191.0	191.0
f	389.0	389.0	399.0	399.0	500.0	500.0
g ø	6.5	6.5	6.5	6.5	8.3	8.3
h	8.0	8.0	8.0	8.0	6.5	6.5
i	M25/32	M25/32	M32/40	M32/40	M40	M40
k	M25/32	M25/32	M32/40	M32/40	M32/40	M32/40

Protection:

- Without fuse protection

- With fuse base D01 for 16A and D02 for 32A and 63A



- With fuse base DII for 16A and DIII for 32A and 63A



- With 3-pole C-type MCB



- With C-type MCB and RCCB 40/0.03A for 16A and 32A



- With D02 and RCCB 63/0.03A for 63A



- With load-break switch NH00



3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
2P+E	3P+E	3P+N+E	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		

16	5	17642	1	
32	5	17646	1	2060
63	5	17583	1	
16	5	17649	1	
32	5	17652	1	
63	5	17586	1	
16	5	17656	1	
32	5	17660	1	
63	5	17590	1	
16	5	17663	1	
32	5	17666	1	
63	5	17593	1	
16	5	17669	1	
32	5	17672	1	
63	5	17596	1	
63	5	17604	1	

Products with PILOT please add "P" to the ref.no.

PANEL MOUNTING SOCKET OUTLETS, straight

- With screwless Quick-Connect technology
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- Flange 75 x 75 mm
- Protection degree IP44

Ampere	Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	each
		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
16	3	13685	13686	13687	13688	13689	13690	10	105
16	4	13691	13692	13693	13694	13695	13696	10	120
16	5	13697	13698	132001	13699	13700	13701	10	135
32	3	13702	13703	13704	13705	13706	13707	10	165
32	4	13708	13709	13710	13711	13712	13713	10	185
32	5	13714	13715	132002	13716	13717	13718	10	220



Fig.: Type 132001

Ampere	Poles	16	16	16	32	32	32
		3	4	5	3	4	5
a		75.0	75.0	75.0	75.0	75.0	75.0
b		75.0	75.0	75.0	75.0	75.0	75.0
c		60.0	60.0	60.0	60.0	60.0	60.0
d		60.0	60.0	60.0	60.0	60.0	60.0
e	ø	5.5	5.5	5.5	5.5	5.5	5.5
f		7.0	7.0	7.0	8.0	8.0	8.0
h		35.5	35.5	35.5	50.0	50.0	50.0
i		50.0	50.0	51.0	60.0	60.0	60.0
k		74.0	84.0	91.0	94.0	94.0	102.0
l	ø	45.0	45.0	55.0	60.0	60.0	60.0
m		8.0	12.0	16.0	17.0	17.0	22.0
Cond. mm² min		1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max		4	4	4	10	10	10

4 MB 263

Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- Flange 56 x 56 mm for 16A 3p, 60 x 60 mm for 16A 4p
- Protection degree IP44

Ampere	Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	each
		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
16	3	13656	13646	13657	13658	13659	13660	10	90
16	4	13661	13662	13663	13664	13665	13666	10	110



Fig.: Type 13663

Ampere	Poles	16	16				
		3	4				
a		56.0	60.0				
b		56.0	60.0				
c		44.0	50 - 52				
d		44.0	50 - 52				
e	ø	4.4	5.5				
f		7.0	7.0				
h		35.5	35.5				
i		51.0	53.0				
k		70.0	80.0				
l	ø	45.0	45.0				
m		13.0	9.0				
Cond. mm² min		1.5	1.5				
Cond. mm² max		4	4				

4 MB 101

Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- Flange 62 x 62 mm for 16A 3p, 72 x 65 mm for 16A 4p and 5p
- Protection degree IP44

Ampere	Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	each
		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
16	3	13667	13668	13669	13670	13671	13672	10	95
16	4	13673	13674	13675	13676	13677	13678	10	120
16	5	13679	13680	13681	13682	13683	13684	10	130



Fig.: Type 13681

Ampere	Poles	16	16	16			
		3	4	5			
a		62.0	72.0	72.0			
b		62.0	65.0	65.0			
c		47.0	52.0	52.0			
d		47.0	52.0	52.0			
e	ø	5.5	5.5	5.5			
f		7.0	7.0	7.0			
h		35.5	35.5	35.5			
i		51.0	53.0	53.0			
k		70.0	80.0	85.0			
l	ø	45.0	45.0	55.0			
m		10.0	9.0	13.0			
Cond. mm² min		1.5	1.5	1.5			
Cond. mm² max		4	4	4			

4 MB 100

PANEL MOUNTING SOCKET OUTLETS, straight

- With screwless Quick-Connect technology
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

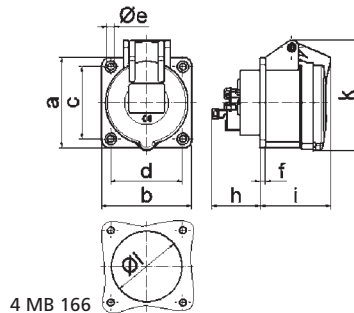
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- Flange 70 x 70 mm
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	5		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	10	120
32	5				13895				10	220
					13896					



Fig.: Type 13895



4 MB 166

Ampere Poles	16 5	32 5								
a	70.0	70.0								
b	70.0	70.0								
c	56.0	56.0								
d	56.0	56.0								
e	5.2	5.2								
f	4.0	4.0								
h	35.5	50.0								
i	57.0	66.0								
k	86.0	99.0								
l	55.0	60.0								
Cond. mm² min	1.5	2.5								
Cond. mm² max	4	10								

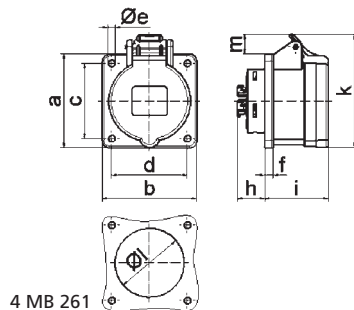
Panel Mounting Socket Outlet Quick-Connect

- Screwless **double terminal**
- Kontex contact
- Flange 75 x 75 mm
- Suitable for through wiring
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	5		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	10	145
					130157					



Fig.: Type 130157



4 MB 261

Ampere Poles	16 5									
a	75.0									
b	75.0									
c	60.0									
d	60.0									
e	5.5									
f	7.0									
h	23									
i	53.0									
k	85.0									
l	55.0									
m	11.5									
Cond. mm² min	1.5									
Cond. mm² max	4									

PANEL MOUNTING SOCKET OUTLETS, straight

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

Panel Mounting Socket Outlet

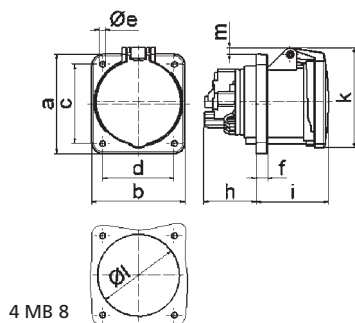
- Screw terminals
- Flange 107 x 100 mm
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP44

Ampere	Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
63	3	1306	1307	1308	13592	13254		5	415
63	4	1309	1304	134	1301	13320	13077	5	445
63	5	13140	1305	136	13168	13321	13051	5	490

Products with PILOT please add "P" to the ref.no.



Fig.: Type 136



4 MB 8

Ampere Poles	63 3	63 4	63 5				
a	107.0	107.0	107.0				
b	100.0	100.0	100.0				
c	85.0	85.0	85.0				
d	77.0	77.0	77.0				
e Ø	6.5	6.5	6.5				
f	12.0	12.0	12.0				
h	56.5	56.5	56.5				
i	77.0	77.0	77.0				
k	110.0	110.0	110.0				
l Ø	88.0	88.0	88.0				
m	7.0	7.0	7.0				
Cond. mm² min	6	6	6				
Cond. mm² max	25	25	25				

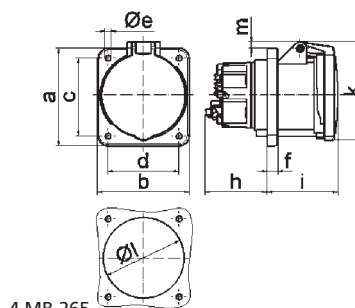
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Flange 107 x 100 mm
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP44

Ampere	Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
63	4			130130	130153			5	550
63	5			130114				5	600



Fig.: Type 130114



4 MB 265

Ampere Poles	63 4	63 5					
a	107.0	107.0					
b	100.0	100.0					
c	85.0	85.0					
d	77.0	77.0					
e Ø	6.5	6.5					
f	12.0	12.0					
h	67.0	67.0					
i	77.0	77.0					
k	110.0	110.0					
l Ø	88.0	88.0					
m	7.0	7.0					
Cond. mm² min	6	6					
Cond. mm² max	25	25					

PANEL MOUNTING SOCKET OUTLETS, angled

- With screwless Quick-Connect technology
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

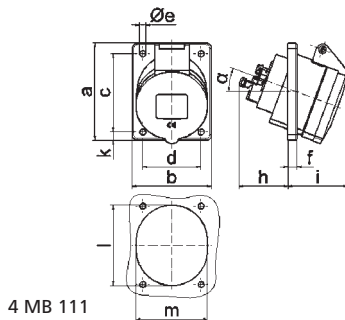
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- Flange 68 x 62 mm for 16A 3p, 87 x 71 mm for 16A 4p and 5p
- Protection degree IP44

	3	4	5							
	2P+E	3P+E	3P+N+E							
	Ampere	Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	g
16	3			12731	12732					95
16	4			12733	12734	12735	12736			120
16	5			12739	12740	12741	12742			140



Fig.: Type 12741



4 MB 111

Ampere	16	16	16							
Poles	3	4	5							
a	68.0	87.0	87.0							
b	62.0	71.0	71.0							
c	47.0	70.0	70.0							
d	47.0	52.0	52.0							
e	5.5	5.5	5.5							
f	8.0	5.5	5.5							
h	46.0	46.0	46.0							
i	50.0	54.0	54.0							
k	-	9.5	9.5							
l	56.0	65.0	72.0							
m	51.0	58.0	64.0							
α	20°	20°	20°							
Cond. mm² min	1.5	1.5	1.5							
Cond. mm² max	4	4	4							

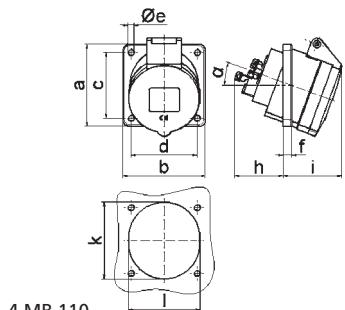
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- Flange 75 x 75 mm
- Protection degree IP44

	3	4	5							
	2P+E	3P+E	3P+N+E							
	Ampere	Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	g
16	5			12743	12744	122001	12745	12746	12747	135



Fig.: Type 122001



4 MB 110

Ampere	16									
Poles	5									
a	75.0									
b	75.0									
c	60.0									
d	60.0									
e	5.5									
f	8.0									
h	46.0									
i	54.0									
k	70.0									
l	65.0									
α	20°									
Cond. mm² min	1.5									
Cond. mm² max	4									

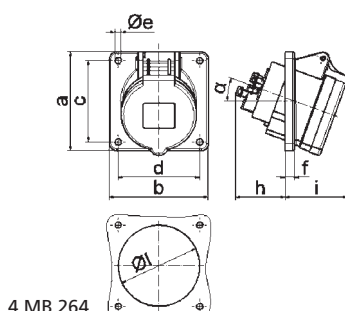
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- Flange 85 x 85 mm
- Protection degree IP44

	3	4	5							
	2P+E	3P+E	3P+N+E							
	Ampere	Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	g
16	3			12748	12749	12750	12751	12861	12752	120
16	4			12862	12863	12753	12864	12754	12865	135
16	5			12755	12756	12757	12758	12866	12759	145
32	3			12760	12761	12867	12762	12868	12869	180
32	4			12870	12763	12764	12765	12871	12872	200
32	5			12766	12767	12768	12769	12770	12873	235



Fig.: Type 12757



4 MB 264

Ampere	16	16	16	32	32	32				
Poles	3	4	5	3	4	5				
a	85.0	85.0	85.0	85.0	85.0	85.0				
b	85.0	85.0	85.0	85.0	85.0	85.0				
c	70.0	70.0	70.0	70.0	70.0	70.0				
d	70.0	70.0	70.0	70.0	70.0	70.0				
e	5.5	5.5	5.5	5.5	5.5	5.5				
f	8.0	8.0	8.0	8.0	8.0	8.0				
h	46.0	46.0	46.0	61.0	61.0	61.0				
i	50.0	51.0	54.0	60.0	60.0	60.0				
l	57.0	65.0	70.0	78.0	78.0	78.0				
α	20°	20°	20°	20°	20°	20°				
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5				
Cond. mm² max	4	4	4	10	10	10				

PANEL MOUNTING SOCKET OUTLETS, angled

- With screwless Quick-Connect technology
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

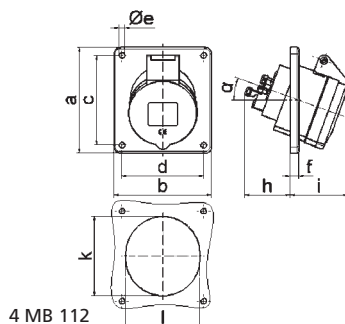
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- Flange 74 x 62 mm for 16A 3p, 100 x 92 mm for the other versions
- Protection degree IP44

		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E Ampere	3P+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	g
16	3	12771	12772	12773	12774	12775	12776	10	100
16	4	12777	12778	12779	12780	12781	12782	10	140
16	5	12783	12784	12730	12785	12786	12787	10	160
32	3	12788	12789	12790	12874	12791	12792	10	200
32	4	12793	12794	12795	12796	12797	12798	10	210
32	5	12799	12800	12801	12802	12803	12804	10	240



Fig.: Type 12730



4 MB 112

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	74.0	100.0	100.0	100.0	100.0	100.0
b	62.0	92.0	92.0	92.0	92.0	92.0
c	60.0	85.0	85.0	85.0	85.0	85.0
d	52.0	77.0	77.0	77.0	77.0	77.0
e Ø	5.5	5.5	5.5	5.5	5.5	5.5
f	8.0	8.0	8.0	8.0	8.0	8.0
h	46.0	46.0	46.0	61.0	61.0	61.0
i	48.0	50.0	55.0	68.0	68.0	60.0
k	57.0	65.0	70.0	75.0	75.0	78.0
l	52.0	65.0	70.0	75.0	75.0	78.0
	20°	20°	20°	20°	20°	20°
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

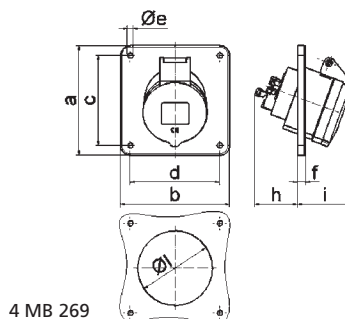
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- Flange 110 x 110 mm
- Protection degree IP44

2P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
16	5			12805				10	185
32	5			12806				10	260



Fig.: Type 12805



4 MB 269

Ampere Poles	16 5	32 5			
a	110.0	110.0			
b	110.0	110.0			
c	90.0	90.0			
d	90.0	90.0			
e Ø	5.5	5.5			
f	8.0	8.0			
h	46.0	61.0			
i	56.0	60.0			
l Ø	75.0	78.0			
Cond. mm² min	1.5	2.5			
Cond. mm² max	4	10			

PANEL MOUNTING SOCKET OUTLETS, angled

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

Panel Mounting Socket Outlet

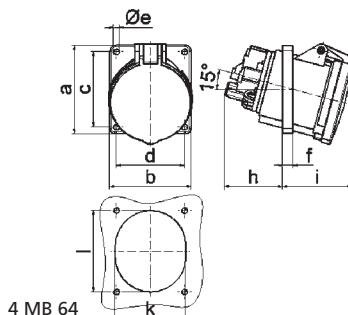
- Screw terminals
- 15° angled
- Flange 100 x 92 mm
- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP44

3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
63	3			12563					10	415
63	4				12074	12565			10	430
63	5		12566	12568	12567				10	475

Products with PILOT please add "P" to the ref.no.



Fig.: Type 12567



4 MB 64

Ampere Poles	63 3	63 4	63 5			
a	100.0	100.0	100.0			
b	92.0	92.0	92.0			
c	85.0	85.0	85.0			
d	77.0	77.0	77.0			
e ø	6.5	6.5	6.5			
f	12.0	12.0	12.0			
h	65.0	65.0	65.0			
i	81.0	81.0	81.0			
k	80.0	80.0	80.0			
l	92.0	92.0	92.0			
Cond. mm² min	6	6	6			
Cond. mm² max	25	25	25			

Panel Mounting Socket Outlet

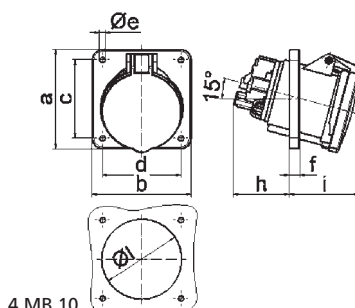
- Screw terminals
- 15° angled
- Flange 114 x 114 mm
- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP44

3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
63	3		12134	12135	12136		12381	12230	5	420
63	4		12137	1207	1201	1204	12382	12153	5	460
63	5		12138	1208	1202	12195	12383		5	500

Products with PILOT please add "P" to the ref.no.



Fig.: Type 1202



4 MB 10

Ampere Poles	63 3	63 4	63 5			
a	114.0	114.0	114.0			
b	114.0	114.0	114.0			
c	90.0	90.0	90.0			
d	90.0	90.0	90.0			
e ø	6.5	6.5	6.5			
f	12.0	12.0	12.0			
h	65.0	65.0	65.0			
i	81.0	81.0	81.0			
l	92.0	92.0	92.0			
Cond. mm² min	6	6	6			
Cond. mm² max	25	25	25			

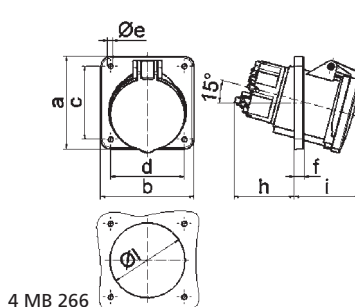
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 15° angled
- Flange 114 x 114 mm
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP44

3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
63	4				120321	120431			5	570
63	5				120306				5	620



Fig.: Type 120306



4 MB 266

Ampere Poles	63 4	63 5				
a	114.0	114.0				
b	114.0	114.0				
c	90.0	90.0				
d	90.0	90.0				
e ø	6.5	6.5				
f	12.0	12.0				
h	74.0	74.0				
i	81.0	81.0				
l ø	92.0	92.0				
Cond. mm² min	6	6				
Cond. mm² max	25	25				

PANEL MOUNTING SOCKET OUTLETS, straight

- With screwless Quick-Connect technology
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

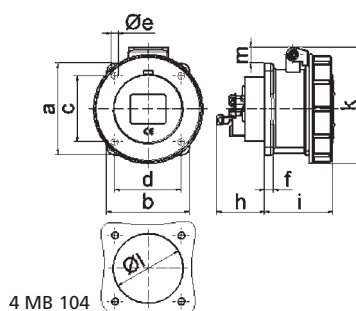
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- Flange 62 x 62 mm for 16A 3p,
72 x 65 mm for 16A 4p and 5p
- Protection degree IP67

2P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3	13719	13720	13721				10	120
16	4	13724	13725	13726	13727			10	150
16	5	13730	13731	13732				10	170



Fig.: Type 13732



4 MB 104

Ampere Poles	16 3	16 4	16 5				
a	62.0	72.0	72.0				
b	62.0	65.0	65.0				
c	47.0	52.0	52.0				
d	47.0	52.0	52.0				
e Ø	5.5	5.5	5.5				
f	7.0	7.0	7.0				
h	35.5	35.5	35.5				
i	57.0	58.0	57.0				
k	76.0	83.0	93.0				
l Ø	45.0	45.0	55.0				
m	10.0	9.0	13.0				
Cond. mm² min	1.5	1.5	1.5				
Cond. mm² max	4	4	4				

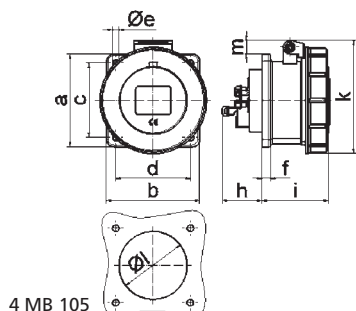
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- Flange 75 x 75 mm
- Protection degree IP67

2P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3	13733	13734	13735		13736		10	130
16	4	13737	13738	13739	13740	13741	13742	10	145
16	5	13743	13744	13745	13746	13747	13748	10	160
32	3	13749	13750	13751		13752	13753	10	210
32	4	13754	13755	13756	13757	13758	13759	10	225
32	5	13760	13761	13762	13763	13764	13765	10	265



Fig.: Type 13745



4 MB 105

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5	
a	75.0	75.0	75.0	75.0	75.0	75.0	
b	75.0	75.0	75.0	75.0	75.0	75.0	
c	60.0	60.0	60.0	60.0	60.0	60.0	
d	60.0	60.0	60.0	60.0	60.0	60.0	
e Ø	5.5	5.5	5.5	5.5	5.5	5.5	
f	7.0	7.0	7.0	8.0	8.0	8.0	
h	35.5	35.5	35.5	50.0	50.0	50.0	
i	57.0	58.0	57.0	65.0	65.0	65.0	
k	76.0	83.0	93.0	100.0	100.0	106.0	
l Ø	45.0	45.0	55.0	60.0	60.0	60.0	
m	3.5	7.0	11.5	12.0	12.0	17.0	
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5	
Cond. mm² max	4	4	4	10	10	10	

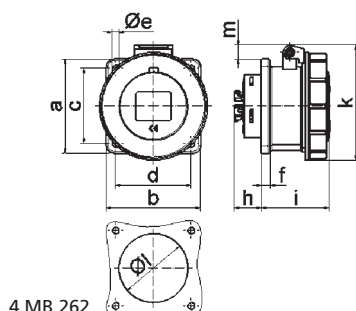
Panel Mounting Socket Outlet Quick-Connect

- Screwless **double terminal**
- Kontex contact
- Flange 75 x 75 mm
- Protection degree IP67

2P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	5			130158				10	205



Fig.: Type 130158



4 MB 262

Ampere Poles	16 5						
a	75.0						
b	75.0						
c	60.0						
d	60.0						
e Ø	5.5						
f	7.0						
h	23.0						
i	57.0						
k	93.0						
l Ø	55.0						
m	11.5						
Cond. mm² min	1.5						
Cond. mm² max	4						

PANEL MOUNTING SOCKET OUTLETS, straight

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Panel Mounting Socket Outlet

- Screw terminals
- Flange 107 x 100 mm
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67

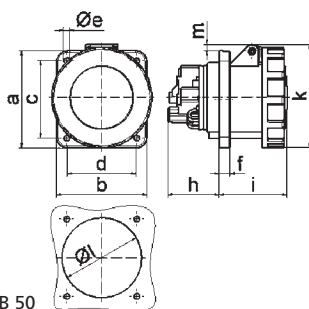
	 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	 Qty	g each
				3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
63	3			1395	1396	1397				5	460
63	4			1398	1399	13100	13101			5	490
63	5			13102	13103	13104				5	535

Products with PILOT please add "P" to the ref.no.



Fig.: Type 13104

4 MB 50



Ampere Poles	63 3	63 4	63 5			
a	107.0	107.0	107.0			
b	100.0	100.0	100.0			
c	85.0	85.0	85.0			
d	77.0	77.0	77.0			
e ø	6.5	6.5	6.5			
f	12.0	12.0	12.0			
h	56.5	56.5	56.5			
i	76.0	76.0	76.0			
k	113.0	113.0	113.0			
l ø	88.0	88.0	88.0			
m	7.0	7.0	7.0			
Cond. mm² min	6	6	6			
Cond. mm² max	25	25	25			

Panel Mounting Socket Outlet Quick-Connect

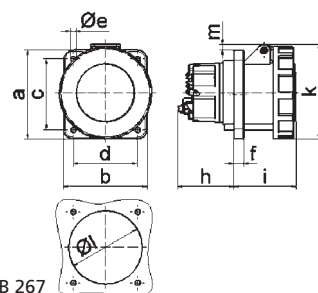
- Screwless terminals
- Flange 107 x 100 mm
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67

	 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	 Qty	g each
				3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
63	4					130131	130154			5	565
63	5					130119				5	665



Fig.: Type 130119

4 MB 267



Ampere Poles	63 4	63 5				
a	107.0	107.0				
b	100.0	100.0				
c	85.0	85.0				
d	77.0	77.0				
e ø	6.5	6.5				
f	12.0	12.0				
h	67.0	67.0				
i	76.0	76.0				
k	113.0	113.0				
l ø	88.0	88.0				
m	7.0	7.0				
Cond. mm² min	6	6				
Cond. mm² max	25	25				

PANEL MOUNTING SOCKET OUTLETS, straight

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Panel Mounting Socket Outlet

- Screw terminals
- Flange 120 x 120 mm
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67

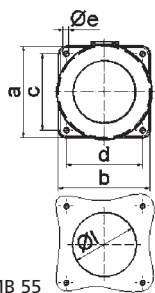
2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
125	3		13445	13452					5	930
125	4			13449	13447	13448			5	1005
125	5				13451				5	1125

Products with PILOT please add "P" to the ref.no.



Fig.: Type 13451

4 MB 55



Ampere Poles	125 3	125 4	125 5			
a	120.0	120.0	120.0			
b	120.0	120.0	120.0			
c	100.0	100.0	100.0			
d	100.0	100.0	100.0			
e ø	6.5	6.5	6.5			
f	21.0	21.0	21.0			
h	50.0	50.0	50.0			
i	117.0	117.0	117.0			
k	129.0	129.0	129.0			
l ø	104.0	104.0	104.0			
m	6.0	6.0	6.0			
Cond. mm² min	25	25	25			
Cond. mm² max	70	70	70			

Panel Mounting Socket Outlet

- Screw terminals
- Flange 130 x 130 mm
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67

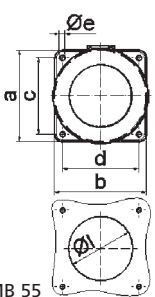
2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
125	3			13434					5	965
125	4			13442	13435	13515			5	1040
125	5				13436				5	1140

Products with PILOT please add "P" to the ref.no.



Fig.: Type 13436

4 MB 55



Ampere Poles	125 3	125 4	125 5			
a	130.0	130.0	130.0			
b	130.0	130.0	130.0			
c	104.0	104.0	104.0			
d	104.0	104.0	104.0			
e ø	6.5	6.5	6.5			
f	21.0	21.0	21.0			
h	50.0	50.0	50.0			
i	117.0	117.0	117.0			
k	129.0	129.0	129.0			
l ø	104.0	104.0	104.0			
m	1.0	1.0	1.0			
Cond. mm² min	25	25	25			
Cond. mm² max	70	70	70			

PANEL MOUNTING SOCKET OUTLETS, angled

- With screwless Quick-Connect technology
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

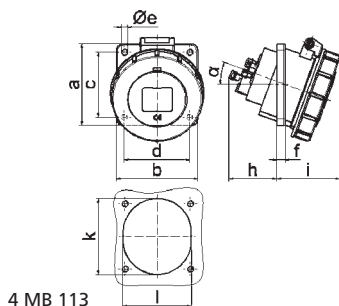
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- Flange 68 x 62 mm for 16A 3p,
75 x 75 mm for 16A 5p
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
16	3		12808	12809					10	125
16	5		12810	12811	12812				10	



Fig.: Type 12812



4 MB 113

Ampere Poles	16 3	16 5				
a	68.0	75.0				
b	62.0	75.0				
c	47.0	60.0				
d	47.0	60.0				
e ø	5.5	5.5				
f	8.0	5.5				
h	46.0	46.0				
i	57.0	60.0				
k	56.0	70.0				
l	51.0	63.0				
α	20°	20°				
Cond. mm² min	1.5	1.5				
Cond. mm² max	4	4				

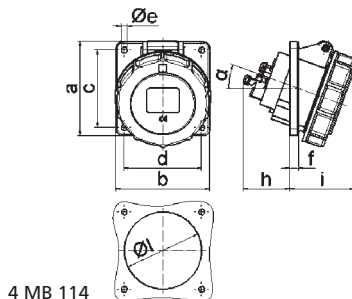
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- Flange 85 x 85 mm
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
16	3		12917	12813					10	150
16	4			12929	12814	12930			10	170
16	5		12815	12816	12817				10	200
32	3		12818	12819					10	230
32	4			12820	12821	12931			10	255
32	5		12822	12823	12824				10	310



Fig.: Type 12817



4 MB 114

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e ø	5.5	5.5	5.5	5.5	5.5	5.5
f	8.0	8.0	8.0	8.0	8.0	8.0
h	46.0	46.0	46.0	61.0	61.0	61.0
i	57.0	57.0	60.0	65.0	65.0	69.0
l ø	57.0	65.0	70.0	78.0	78.0	78.0
α	20°	20°	20°	20°	20°	20°
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

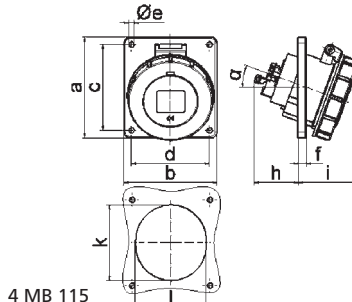
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- Flange 74 x 62 mm for 16A 3p,
100 x 92 mm for the other versions
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
16	3		12825	12826					10	125
16	4		12831	12832	12833	12834	12835	12836	10	175
16	5		12837	12838	12839	12840	12841	12842	10	195
32	3		12843	12844					10	215
32	4		12846	12847	12848	12849	12850	12851	10	240
32	5		12852	12853	12854	12855	12856	12857	10	285



Fig.: Type 12839



4 MB 115

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	74.0	100.0	100.0	100.0	100.0	100.0
b	62.0	92.0	92.0	92.0	92.0	92.0
c	60.0	85.0	85.0	85.0	85.0	85.0
d	52.0	77.0	77.0	77.0	77.0	77.0
e ø	5.5	5.5	5.5	5.5	5.5	5.5
f	8.0	8.0	8.0	8.0	8.0	8.0
h	46.0	46.0	46.0	61.0	61.0	61.0
i	57.0	57.0	60.0	65.0	65.0	69.0
k	57.0	65.0	70.0	75.0	75.0	78.0
l	52.0	65.0	70.0	75.0	75.0	78.0
α	20°	20°	20°	20°	20°	20°
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

PANEL MOUNTING SOCKET OUTLETS, angled

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Panel Mounting Socket Outlet

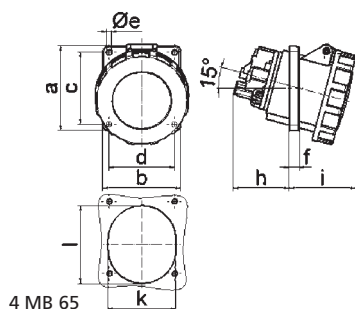
- Screw terminals
- 15° angled
- Flange 100 x 92 mm
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	3			12569					10	445
63	4			12032	12570	12571			10	480
63	5		12572	12573	12574				10	525

Products with PILOT please add "P" to the ref.no.



Fig.: Type 12574



4 MB 65

Ampere Poles	63 3	63 4	63 5			
a	100.0	100.0	100.0			
b	92.0	92.0	92.0			
c	85.0	85.0	85.0			
d	77.0	77.0	77.0			
e Ø	6.5	6.5	6.5			
f	12.0	12.0	12.0			
h	65.0	65.0	65.0			
i	80.0	80.0	80.0			
k	80.0	80.0	80.0			
l	92.0	92.0	92.0			
Cond. mm² min	6	6	6			
Cond. mm² max	25	25	25			

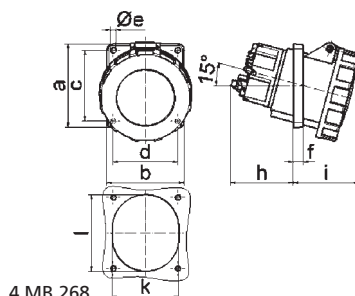
Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- 15° angled
- Flange 100 x 92 mm
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	4				120320	120342			10	630
63	5				120274				10	645



Fig.: Type 120274



4 MB 268

Ampere Poles	63 4	63 5			
a	100.0	100.0			
b	92.0	92.0			
c	85.0	85.0			
d	77.0	77.0			
e Ø	6.5	6.5			
f	12.0	12.0			
h	74.0	74.0			
i	80.0	80.0			
k	80.0	80.0			
l	92.0	92.0			
Cond. mm² min	6	6			
Cond. mm² max	25	25			

PANEL MOUNTING SOCKET OUTLETS, angled

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Panel Mounting Socket Outlet

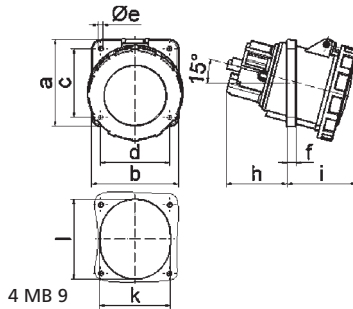
- Screw terminals
- 15° angled
- Flange 114 x 114 mm
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
63	3			12000	12001	12002				5	475
63	4			12003	1205	1200	1203	12035	12233	5	510
63	5			12004	1206	129	12039	12389	12171	5	550

Products with PILOT please add "P" to the ref.no.



Fig.: Type 129



Ampere Poles	63 3	63 4	63 5			
a	114.0	114.0	114.0			
b	114.0	114.0	114.0			
c	90.0	90.0	90.0			
d	90.0	90.0	90.0			
e ø	6.5	6.5	6.5			
f	12.0	12.0	12.0			
h	65.0	65.0	65.0			
i	80.0	80.0	80.0			
k	92.0	92.0	92.0			
l	92.0	92.0	92.0			
Cond. mm² min	6	6	6			
Cond. mm² max	25	25	25			

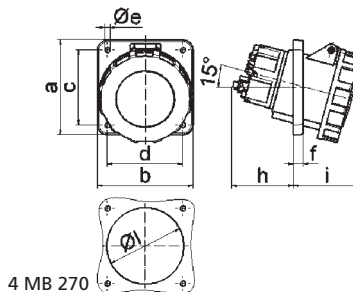
Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- 15° angled
- Flange 114 x 114 mm
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP67

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
63	4					120322	120387			5	625
63	5					120307				5	670



Fig.: Type 120307



Ampere Poles	63 4	63 5				
a	114.0	114.0				
b	114.0	114.0				
c	90.0	90.0				
d	90.0	90.0				
e ø	6.5	6.5				
f	12.0	12.0				
h	74.0	74.0				
i	80.0	80.0				
l ø	92.0	92.0				
Cond. mm² min	6	6				
Cond. mm² max	25	25				

Panel Mounting Socket Outlet

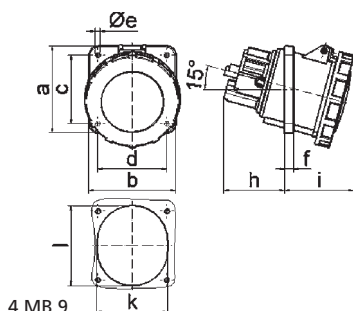
- Screw terminals
- 15° angled
- Flange 114 x 114 mm
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Kontex contact
- Box terminals
- Protection degree IP67

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
125	3			1299	12100	12101				5	805
125	4			12102	12103	12104	12105	12320	12278	5	885
125	5			12106	12107	12108	12133	12334	12055	5	980

Products with PILOT please add "P" to the ref.no.



Fig.: Type 12108



Ampere Poles	125 3	125 4	125 5			
a	114.0	114.0	114.0			
b	114.0	114.0	114.0			
c	90.0	90.0	90.0			
d	90.0	90.0	90.0			
e ø	6.5	6.5	6.5			
f	12.0	12.0	12.0			
h	82.0	82.0	82.0			
i	90.0	90.0	90.0			
k	92.0	92.0	92.0			
l	105.0	105.0	105.0			
Cond. mm² min	25	25	25			
Cond. mm² max	70	70	70			

PANEL MOUNTING SOCKET OUTLETS WITH AUXILIARY CONTACT / PSC-LOCKING

- IEC 60309, EN 60309, VDE 0623, VDE 0620
- Protection degree IP44, IP67

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Angled
- With NO and NC contact
- Flange 85 x 85 mm
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 120587

	2P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g
	16	3	120583	120584			10	140
	16	4			120585	120586	10	155
	16	5			120587		10	195
	32	3	120588	120589			10	265
	32	4			120590	120591	10	225
	32	5			120592		10	265

Ampere Poles	16 3	16 4	16 4	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e	5.5	5.5	5.5	5.5	5.5	5.5
f	8.0	8.0	8.0	8.0	8.0	8.0
h	46.0	46.0	46.0	61.0	61.0	61.0
i	50.0	51.0	54.0	60.0	60.0	60.0
l	57.0	65.0	70.0	78.0	78.0	78.0
m	57.0	57.0	58.0	62.0	62.0	63.0
o	34.0	37.0	41.0	42.0	42.0	44.0
α	20°	20°	20°	20°	20°	20°

4 MB 76

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Angled
- With NO and NC contact
- Flange 85 x 85 mm
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 12650

	2P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g
	16	3	12648	121317			10	170
	16	4			12649	12653	10	
	16	5			12650		10	
	32	3	12651	12646			10	270
	32	4			12555	12652	10	
	32	5			12596		10	355

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e	5.5	5.5	5.5	5.5	5.5	5.5
f	8.0	8.0	8.0	8.0	8.0	8.0
h	46.0	46.0	46.0	61.0	61.0	61.0
i	57.0	57.0	60.0	65.0	65.0	69.0
l	57.0	65.0	70.0	75.0	75.0	78.0
m	57.0	57.0	58.0	62.0	62.0	63.0
o	34.0	37.0	41.0	42.0	42.0	44.0
α	20°	20°	20°	20°	20°	20°

4 MB 78

Panel Mounting Socket Outlet

- Screw terminal
- 15° angled
- Flange 114 x 114 mm
- Drilling hole distance 90 x 90 mm
- With PSC-locking
- Kontex-Plus
- Box terminals
- Protection degree IP44



Abb.-Typ: 12616

	2P+E Ampere	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g
	63	4			12360	12511	5	700
	63	5			12616		5	750

Ampere Poles	63 4	63 5
a	114,0	114,0
b	114,0	114,0
c	90,0	90,0
d	90,0	90,0
e ø	6,5	6,5
f	12,0	12,0
h	65,0	65,0
i	81,0	81,0
l ø	92,0	92,0
Cond. mm² min	6	6
Cond. mm² max	25	25

4 MB 388

PANEL MOUNTING SOCKET OUTLETS WITH PSC-LOCKING/ DOMESTIC TYPE

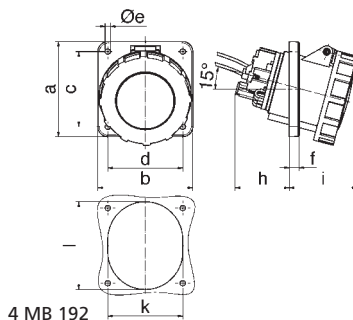
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

Panel Mounting Socket Outlet

- 15° angled
- Flange 114 x 114 mm
- Drilling hole distance 90 x 90 mm
- With PSC-locking
- Kontex-Plus
- Box terminals
- Protection degree IP67



Abb.-Typ: 12025



4 MB 192

Ampere	2P+E	3P+N+E	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g
63	4	5	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	5	760
63	5	5			12052	12053	5	820
125	4	5			12139	12054	5	1230
125	5	5			12025		5	1350

Ampere	63	63	125	125
Poles	4	5	4	5
a	114,0	114,0	114,0	114,0
b	114,0	114,0	114,0	114,0
c	90,0	90,0	90,0	90,0
d	90,0	90,0	90,0	90,0
e	6,5	6,5	6,5	6,5
f	12,0	12,0	12,0	12,0
h	65,0	65,0	82,0	82,0
i	81,0	81,0	90,0	90,0
k	92,0	92,0	92,0	92,0
l	92,0	92,0	105,0	105,0
Cond. mm² min	6	6	25	25
Cond. mm² max	25	25	70	70

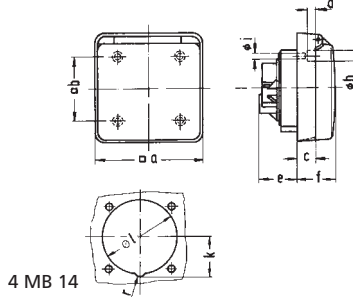
Panel Mounting Socket Outlet

- Straight insertion direction, also suitable for mounting in cable trunking and energy columns
- 16A version for cable trunk socket with mounting dimensions 70 x 70 mm
- 32A version for cable trunk socket with mounting dimensions 60 x 60 mm
- Protection degree IP44

Matching angled plug: see page 80/3



Fig.: Type 13108



4 MB 14

Ampere	2P+E	3P+N+E	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g
16	3	5	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	10	185
16	5	5			13106	13107	10	215
32	5	5			13146-BE		10	290

Ampere	16	16	32
Poles	3	5	5
a	91.0	91.0	90.0
b	70.0	70.0	60.0
c	15.2	15.2	-
d	2.7	2.7	-
e	28.0	28.0	31.0
f	36.0	36.0	39.5
h	7.5	7.5	-
i	4.8	4.8	4.1
k	-	34.0	42.5
l	54.0	64.0	75.0
r	-	10.0	10.0
Cond. mm² min	1.5	1.5	2.5
Cond. mm² max	4	4	10

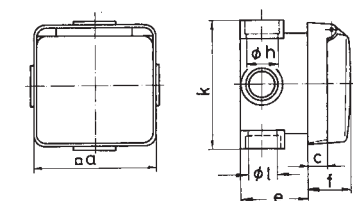
Flush Mounting Socket Outlet

- Flange 90 x 90 mm
- Drilling spacing 53 x 53 mm
- Protection degree IP44

Matching angled plug: see page 80/3



Fig.: Type 146



4 MB 15

Ampere	2P+E	3P+N+E	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	g
16	3	5	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	10	215
16	5	5			140	141	10	245
32	5	5			147	142-BE	10	400

Ampere	16	16	32
Poles	3	5	5
a	91.0	91.0	91.0
c	15.2	15.2	29.0
e	50.0	50.0	63.0
f	30.0	30.0	47.0
h	18.5	18.5	22.5
k	91.0	91.0	109.0
l	18.5	18.5	18.5
Cond. mm² min	1.5	1.5	2.5
Cond. mm² max	4	4	10

PANEL MOUNTING SOCKET OUTLETS

- Particularly suitable for harsh operating conditions, especially resistant to aggressive atmospheres
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- Flange 75 x 75 mm
- Straight
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 13336

2P+E Ampere	3P+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	3										10	110
16	4										10	150
16	5										10	170
32	3										10	215
32	4										10	230
32	5										10	250

Panel Mounting Socket Outlet TE

- Screw terminals
- Flange 107 x 100 mm
- Straight
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 13343

2P+E Ampere	3P+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
63	3										5	420
63	4										5	450
63	5										5	495

Dimension drawing: see page 58/1 (4 MB 8)

Products with PILOT please add "P" to the ref.no.

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- Flange 74 x 62 mm for 16A 3p, 100 x 92 mm for the other versions
- 20° angled
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 12884

2P+E Ampere	3P+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	3										10	100
16	4										10	150
16	5										10	165
32	3										10	205
32	4										10	215
32	5										10	255

Dimension drawing: see page 60/1 (4 MB 112)

Panel Mounting Socket Outlet TE

- Screw terminals
- Flange 114 x 114 mm
- 15° angled
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 12408

2P+E Ampere	3P+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
63	3										5	420
63	4										5	470
63	5										5	510

Dimension drawing: see page 61/2 (4 MB 10)

Products with PILOT please add "P" to the ref.no.

PANEL MOUNTING SOCKET OUTLETS

- Particularly suitable for harsh operating conditions, especially resistant to aggressive atmospheres
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP67

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- Flange 75 x 75 mm
- Straight
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 62/2 (4 MB 105)



Fig.: Type 13816

2P+E Ampere	3P+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
16	3	13156			10	145
16	4	13083	13157	13810	10	170
16	5		13159		10	200
32	3	13812			10	220
32	4	13813	13814	13815	10	230
32	5		13816		10	270

Panel Mounting Socket Outlet TE

- Screw terminals
- Flange 107 x 100 mm
- Straight
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 63/1 (4 MB 50)



Fig.: Type 13385

2P+E Ampere	3P+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
63	3	13382			5	480
63	4		13383	13384	5	510
63	5		13385		5	550

Products with PILOT please add "P" to the ref.no.

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- Flange 74 x 62 mm for 16A 3p, 100 x 92 mm for the other versions
- 20° angled
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 65/3 (4 MB 115)



Fig.: Type 12928

2P+E Ampere	3P+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
16	3	12205			10	145
16	4	12919	12920	12921	10	165
16	5	120161	12922	120159	10	205
32	3	12924			10	225
32	4	12925	12926	12927	10	250
32	5	120162	12928	120158	10	300

Panel Mounting Socket Outlet TE

- Screw terminals
- Flange 114 x 114 mm
- 15° angled
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 67/1 (4 MB 9)



Fig.: Type 12160

2P+E Ampere	3P+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
63	3	12409			5	500
63	4		12410	12156	5	535
63	5		12160		5	575

Products with PILOT please add "P" to the ref.no.

Panel Mounting Socket Outlet TE

- Screw terminals
- Flange 114 x 114 mm
- 15° angled
- High-temperature-resistant contact carrier
- Kontex contact and box terminals
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 67/3 (4 MB 9)



Fig.: Type 12108

2P+E Ampere	3P+E Poles	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
		3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
125	3	12100	12101		5	905
125	4	12103	12104	12105	5	965
125	5	12107	12108	12133	5	1070

Products with PILOT please add "P" to the ref.no.

Mounting Frame

- For attaching panel mounting socket outlets

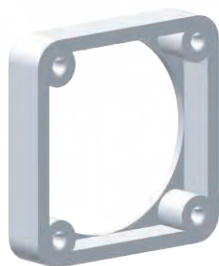
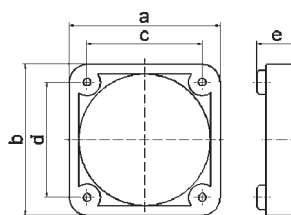


Fig.: Type 1849



30 MB 182

a	b	c	d	e	Ref. No.
50	50	38	38	13	1843
54	54	44	44	10	1847
57	66	47	47	10	1848
60	60	50	50	10	1849
62	62	52	52	10	1850
62	70	52	60	10	1851

Mounting Frame

- For attaching panel mounting socket outlets

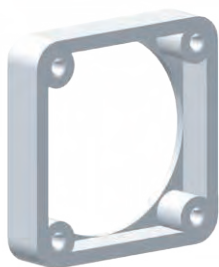
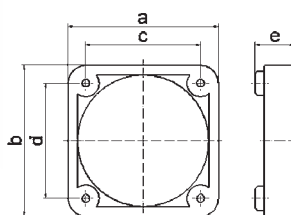


Fig.: Type 189



30 MB 182

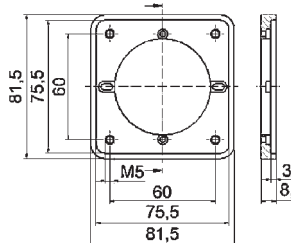
a	b	c	d	e	Ref. No.
70	70	60	60	12	187
71	80	52	70	10	1852
80	80	70	70	13	189
87	95	77	85	12	188
100	110	90	90	10	1854

Intermediate Flange

- For attaching panel mounting socket outlets (straight)
- With screw terminal
- For Quick-Connect 16A Panel Mounting Socket Outlets
- With flange 75 x 75 mm
- Drilling spacing 60 x 60 mm



Fig.: Type 182



4 MB 256

Ref. No.

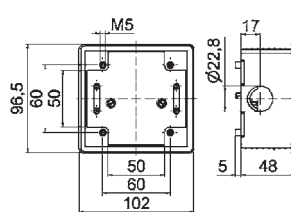
182

Flush Mounting Box

- For panel mounting socket outlets
- Drilling spacing 60 x 60 mm
- Without terminals



Fig.: Type 183



4 MB 13

Ref. No.

183-BE

Touch Protection Ring

- for 63A, 5p
- For attaching to contact carrier of panel mounting socket outlets



Fig.: Type 580634

Ref. No.

580634

Touch Protection Ring

- for 125A, 4/5p
- For attaching to contact carrier of panel mounting socket outlets



Fig.: Type 58058

Ref. No.

58058

Flush Box

- For panel mounting socket outlets listed on previous page



Fig.: Type 180

Ref. No.

180

Flush-Mounting Adapter

- For panel mounting socket outlets listed on previous page



Fig.: Type 181

Ref. No.

181

Mounting Flange

- For panel mounting socket outlets

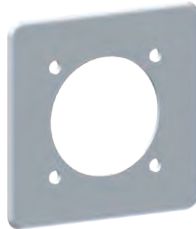
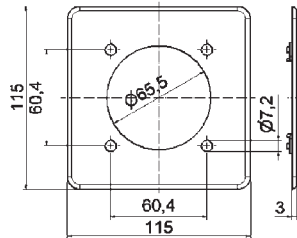


Fig.: Type 185



4 MB 12

Ref. No.

185-BE

Empty Enclosure

- Dimension of enclosure 102 x 102 mm
- For panel mounting socket outlets with flange 75 x 75 mm
- Drilling spacing 60 x 60 mm



Fig.: Type 18048

Ref. No.

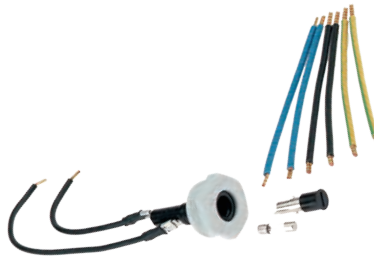
For socket with protection degree IP44

18048

For socket with protection degree IP67

18049

Accessories for TK-Combi Socket Outlet



Ref. No.

Wiring harness 16A 1863

Wiring harness 32A 1896

G fuse base 5 x 20 mm DIN 41671 1862

G fuse link 6.3A 1864

G fuse link 10A 1865

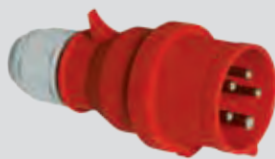
G fuse link 16A 1866





Plugs

IP44



Page 78

IP67



Pages 79 - 80

Plugs, Padlock Lockable



Page 80

Angled Plugs



Page 80

Inlets

Surface Mounting Appliance Inlets



Pages 81 - 86

Panel Mounting Appliance Inlets and Appliance Inlets with Flange



Pages 87 - 92

Appliance Inlets with Flange



Pages 93 - 94

Appliance Inlets with Flange for Harsh or Aggressive Conditions



Page 95

Phase Inverters

As Plug



Page 96

As Surface Mounting Appliance Inlet



Page 96

As Panel Mounting Appliance Inlet and Appliance Inlet with Flange



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As Appliance Inlet with Flange



Page 97

Phase Sequence Indicators and Adapters

Phase Sequence Indicators



Page 98

Adapters

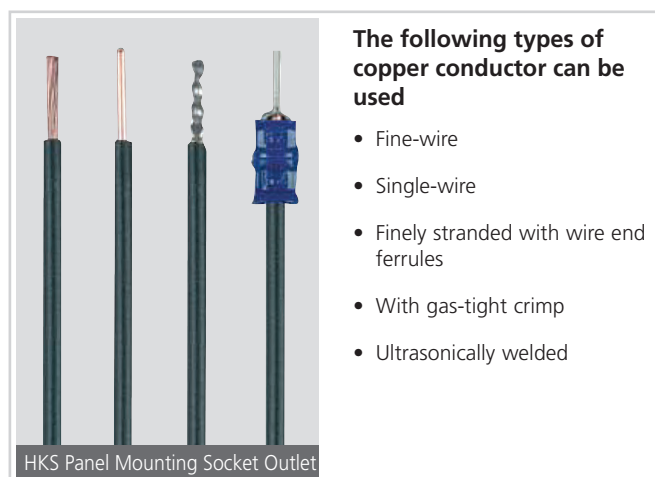
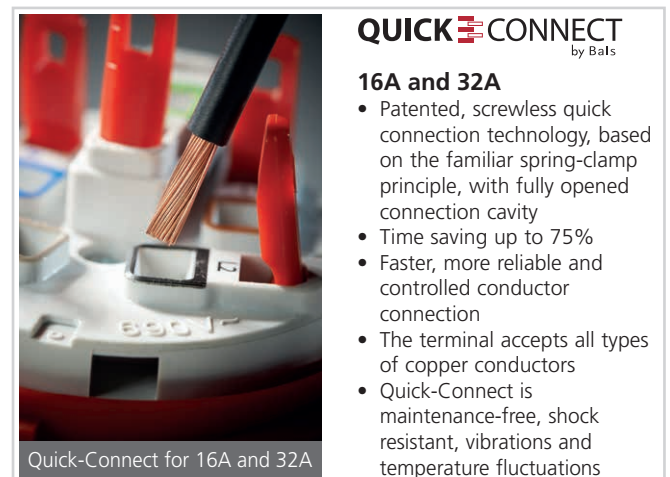


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Connectors



Technical features



Plug Quick-Connect with Multi-Grip

- Screwless terminals
- Screwless enclosure connection, self locking
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

2P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3	2125	2126					10	100
16	4		2129	2130				10	135
16	5		2135	2136				10	140
32	3	2137	2138					10	250
32	4		2141	2142				10	220
32	5		2147	2148				10	295

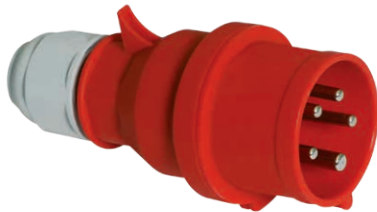
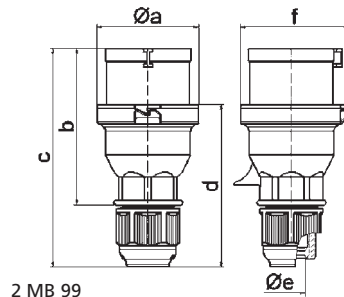


Fig.: Type 2136



2 MB 99

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	53.0	60.0	66.0	74.5	74.5	74.5
b	93.5	100.5	103.0	121.0	121.0	121.5
c	134.0	141.0	142.0	174.0	174.0	174.5
d	97.5	104.5	105.5	128.0	128.0	128.5
e	18.0	18.0	18.0	23.0	23.0	23.0
f	57.5	64.5	70.5	78.0	78.0	80.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

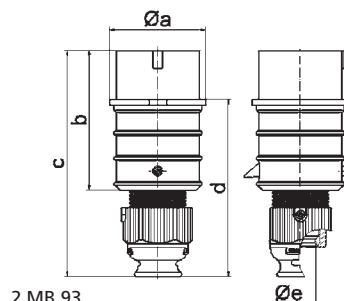
Plug TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

2P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3	21837	21686	21843	210169	210170	210171	10	125
16	4	21872	21839	21687	21688	21847	21849	10	145
16	5	210176	21840	21689	210178	210179	21879	10	180
32	3	21838	21690	21844	210184	210185	210186	10	240
32	4	21873	21841	21691	21692	21848	21850	10	260
32	5	210193	21842	21693	21623	210197	21885	10	310



Fig.: Type 21689



2 MB 93

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	51.0	57.5	65.0	66.0	66.0	72.0
b	95.0	95.0	97.0	118.0	118.0	117.0
c	145.0	145.0	152.0	178.0	178.0	181.0
d	109.0	109.0	116.0	133.0	133.0	135.5
e	18.0	18.0	21.0	23.0	23.0	27.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

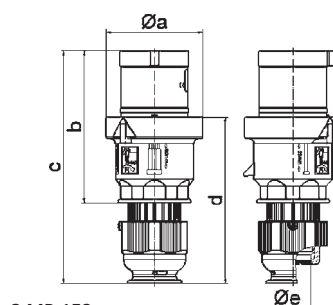
Plug TE with Multi-Grip

- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Screwless enclosure connection, self locking
- Protection degree IP44

2P+E Ampere	3P+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	4			210761	210763			5	660
63	5			210765				5	720
Screw terminal:									
63	3	21024	2104	21025	210030	21531	21624	5	535
63	4	2149	2150	2151	2152	21300	21526	5	595
63	5	2153	2154	2155	21167	21663	21419	5	650



Fig.: Type 2155



2 MB 158

Ampere Poles	63 3	63 4	63 5
a	96.0	96.0	96.0
b	153.0	153.0	153.0
c	233.0	233.0	233.0
d	167.0	167.0	167.0
e	36.0	36.0	36.0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

PLUGS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Plug TE-Plus with Multi-Grip

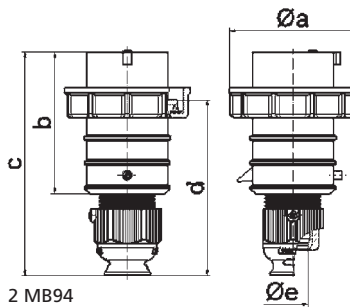
- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

Accessories:
Closure cap: see page 102/3

	2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3			21237	21238	21402	21487	21453	21558	10	150
16	4			21403	21250	21349	21350	21404	21105	10	175
16	5			21406	21407	21239	21754	21564	21533	10	215
32	3			21408	21240	21409	21486	21545	210222	10	285
32	4			21410	21251	21351	21352	21411	21412	10	335
32	5			21413	21414	21241	21282	21484	210234	10	385



Fig.: Type 21239



2 MB94

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a Ø	70.0	78.0	86.0	94.0	94.0	101.0
b	95.0	95.0	97.0	118.0	118.0	117.0
c	145.0	145.0	152.0	178.0	178.0	181.0
d	111.0	111.0	119.0	136.0	136.0	138.5
e Ø	18.0	18.0	21.0	23.0	23.0	27.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

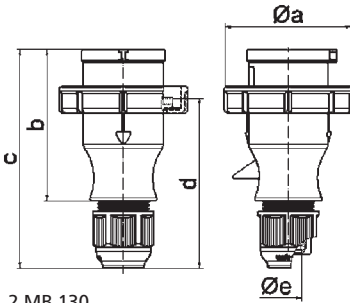
Plug with Multi-Grip

- Screw terminals
- Nickel plated contacts
- One-piece enclosure
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

	2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3			210575	210576	210577				10	155
16	4			210581	210582	210583				10	170
16	5			210587	210588	210589				10	170
32	3			210593	210594	210595				10	243
32	4			210599	210600	210601				10	255
32	5			210605	210606	210607				10	305



Fig.: Type 210589



2 MB 130

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a Ø	70.0	78.0	86.0	94.0	94.0	101.0
b	94.5	98.0	101.0	115.0	115.0	119.0
c	138.0	142.0	145.0	170.0	170.0	174.0
d	105.5	109.5	112.5	128.0	128.0	132.0
e Ø	18.0	18.0	18.0	23.0	23.0	23.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

Plug TE-Plus with Multi-Grip

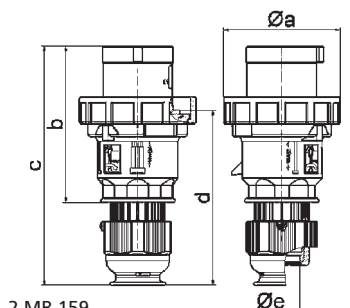
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Screwless enclosure connection, self locking
- Protection degree IP67

Accessories: Closure cap: see page 102/3

	2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	4					210762	210764			5	720
63	5					210766				5	770
Screw terminal:											
63	3			2180	2181	2182	21330			5	590
63	4			2183	2184	2185	2186	21154	21375	5	650
63	5			2187	2188	2189	21060	21645	21163	5	705



Fig.: Type 210766



2 MB 159

Ampere Poles	63 3	63 4	63 5
a Ø	113.5	113.5	113.5
b	153.0	153.0	153.0
c	233.0	233.0	233.0
d	171.0	171.0	171.0
e Ø	36.0	36.0	36.0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

PLUGS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44, IP67

Plug TE with Multi-Grip

- Screw terminals
 - Box terminals
 - High-temperature-resistant contact carrier
 - Nickel plated contacts
 - Special gland, simultaneous cable gland and seal
 - Screwless enclosure connection, self locking
 - Protection degree IP67
- Accessories: closure cap, see page 102/3

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
125	3		2190	2191	2192	210964			5	1020
125	4		2193	2194	2195	2196	21607	21155	5	1125
125	5		2197	2198	2199	21555	21851	21156	5	1235



Fig.: Type 2199

Ampere Poles	125 3	125 4	125 5			
a ø	126.0	126.0	126.0			
b	181.0	181.0	181.0			
c	282.0	282.0	282.0			
d	206.0	206.0	206.0			
e ø	50.0	50.0	50.0			
Cond. mm² min	16	16	16			
Cond. mm² max	50	50	50			

Plug Quick-Connect, lockable

- Screwless terminals
 - Lockable with matching connector
 - Screwless enclosure connection, self locking
 - Special gland, simultaneous cable gland and seal
 - Protection degree IP44
- Accessories: Lock set, see page 102/5

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	5				210950				10	180
32	5				210951				10	305



Fig.: Type 210951

Ampere Poles	16 5	32 5				
a	66.0	74.5				
b	103.0	121.5				
c	142.0	174.5				
d	105.5	128.5				
e ø	18.0	23.0				
f	70.5	80.0				
h	82.0	90.0				
Cond. mm² min	1	2.5				
Cond. mm² max	2.5	6				

Angled Plug

- Screw terminals
- With short cable sleeve
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3			231					10	150
16	4				235				10	170
16	5				236				10	175
32	5				2300-BE				10	280



Fig.: Type 231

Ampere Poles	16 3	16 4	16 5	32 5		
a	80.0	85.0	96.0	116.0		
b	44.0	49.0	59.0	70.0		
c ø	6.5	6.5	8.0	10.0		
d ø	18.0	18.0	18.0	25.0		
e	51.0	57.0	64.0	-		
f	90.0	95.0	74.0	101.0		
Cond. mm² min	1	1	1	2.5		
Cond. mm² max	2.5	2.5	2.5	6		

SURFACE MOUNTING APPLIANCE INLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

Surface Mounting Appliance Inlet

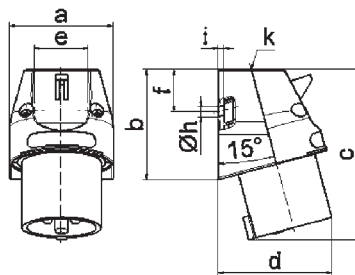
- Screw terminals
- Cable entry 1x at top (open), 1x at bottom (closed)
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3		2448	240					10	115

Accessories: Closure cap, see page 102/3



Fig.: Type 240



5 MB 43

Ampere Poles	16 3									
a	56.5									
b	60.0									
c	93.0									
d	73.0									
e	29.5									
f	23.5									
h	5.5									
i	3.0									
k	M20									
Cond. mm² min	1									
Cond. mm² max	2.5									

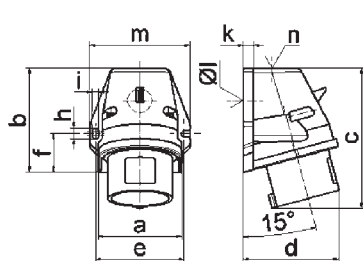
Surface Mounting Appliance Inlet Quick-Connect

- Screwless terminals
- Cable entry 1x at top (open), 1x at bottom (closed)
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3		24422	24423					10	170
16	4		24398	24393	24392	24539			10	180
16	5		24399	24400	242001				10	200
32	3		24401	24402					10	240
32	4		24403	24404	24405	24540			10	260
32	5		24406	24407	242002				10	285



Fig.: Type 242001



5 MB 44

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	59.5	72.4	72.4	79.1	79.1	79.1
b	90.0	90.0	90.0	92.0	92.0	92.0
c	120.0	120.0	122.0	134.0	134.0	134.0
d	72.0	84.0	84.0	89.0	89.0	89.0
e	62.0	77.0	77.0	84.0	84.0	84.0
f	33.5	33.5	33.5	30.0	30.0	30.0
h	9.0	9.0	9.0	9.0	9.0	9.0
i	5.5	5.5	5.5	5.5	5.5	5.5
k	8.0	9.0	9.0	9.0	9.0	9.0
l	21.0	21.0	21.0	21.0	21.0	21.0
m	72.0	87.0	87.0	94.0	94.0	94.0
n	M20	M25	M25	M25	M25	M25
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

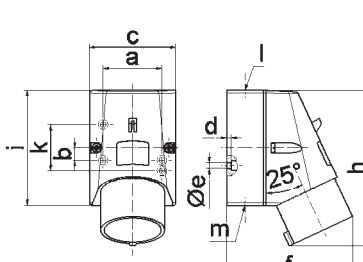
Surface Mounting Appliance Inlet

- Screw terminals
- Cable entry 1x at top (open), 1x at bottom and 1x at rear (closed)
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3			245					10	170
16	4				249				10	225
16	5				2415				10	255



Fig.: Type 2415



5 MB 47

Ampere Poles	16 3	16 4	16 5			
a	51.0	59.0	59.0			
b	-	11.0	11.0			
c	64.0	75.0	75.0			
d	4.0	4.0	4.0			
e	4.1	5.1	5.1			
f	93.0	106.0	110.0			
h	122.0	135.0	135.0			
i	87.0	100.0	100.0			
k	40.0	-	-			
l	M20	M20	M20			
m	for M20	for M20	for M20			
Cond. mm² min	1	1	1			
Cond. mm² max	2.5	2.5	2.5			

SURFACE MOUNTING APPLIANCE INLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

Surface Mounting Appliance Inlet Quick-Connect TE

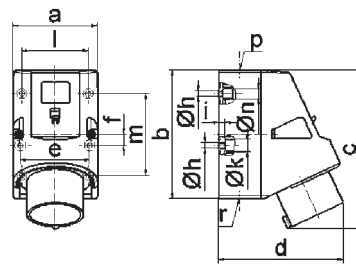
Screwless terminals

- High-temperature-resistant contact carrier
- Nickel plated contacts
- Cable entry 1x at top (open), 2x at bottom (closed)
- Base rotatable by 180°
- 4 mounting holes in enclosure base
- Suitable for through wiring
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	5				24362				10	305
32	3		24408	24409					10	335
32	4			24410	24411	24412			10	350
32	5			24551	24413				10	385



Fig.: Type 24413



5 MB 45

Ampere Poles	16 5	32 3	32 4	32 5
a	83.0	83.0	83.0	83.0
b	126.0	126.0	126.0	126.0
c	155.5	165.0	165.0	166.0
d	122.0	128.0	128.0	130.0
e	68.0	68.0	68.0	68.0
f	11.0	11.0	11.0	11.0
h ø	5.5	5.5	5.5	5.5
i	6.5	6.5	6.5	6.5
k ø	12.0	12.0	12.0	12.0
l	65.0	65.0	65.0	65.0
m	80.0	80.0	80.0	80.0
n ø	10	10.0	10.0	10.0
p	M25	M25	M25	M25
r	2xM25	2xM25	2xM25	2xM25
Cond. mm² min	1	2.5	2.5	2.5
Cond. mm² max	2.5	6	6	6

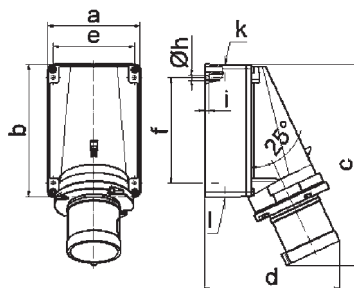
Surface Mounting Appliance Inlet

- Screw terminals
- Cable entry 1x at top (open) and 2x at bottom (closed)
- Base rotatable by 180°
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	3			24336					5	775
63	4			24337	24338	24339			5	925
63	5				24134				5	975



Fig.: Type 24134



5 MB 48

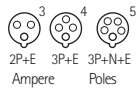
Ampere Poles	63 3	63 4	63 5
a	118.0	118.0	118.0
b	170.0	170.0	170.0
c	259.0	259.0	259.0
d	174.0	174.0	174.0
e	104.0	104.0	104.0
f	136.0	136.0	136.0
h ø	6.1	6.1	6.1
i	6.0	6.0	6.0
k	M40	M40	M40
l	M32/32	M32/32	M32/32
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

SURFACE MOUNTING APPLIANCE INLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

Surface Mounting Appliance Inlet

- Screw terminals
- With hinged lid
- Protection degree IP44



110V
50-60 Hz

230V
50-60 Hz

400V
50-60 Hz

500V
50-60 Hz

100-300Hz
> 50V

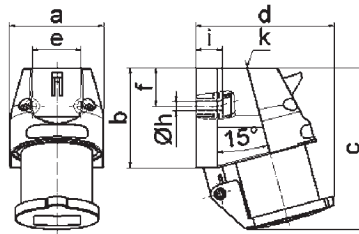
301-500Hz
> 50V

Qty g each

16 3 242 10 150



Fig.: Type 242

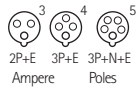


5 MB 17

Ampere	16				
Poles	3				
a	56.5				
b	60.0				
c	97.5				
d	84.0				
e	29.5				
f	23.0				
h ø	5.5				
i	16.0				
k	M20				
Cond. mm² min	1				
Cond. mm² max	2.5				

Surface Mounting Appliance Inlet

- Screw terminals
- With closure cap
- Protection degree IP44



110V
50-60 Hz

230V
50-60 Hz

400V
50-60 Hz

500V
50-60 Hz

100-300Hz
> 50V

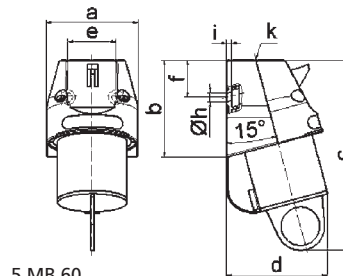
301-500Hz
> 50V

Qty g each

16 3 2400 10 140



Fig.: Type 2400

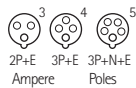


5 MB 60

Ampere	16				
Poles	3				
a	56.5				
b	60.0				
c	118.0				
d	63.0				
e	29.5				
f	23.0				
h ø	5.5				
i	3.0				
k	M20				
Cond. mm² min	1				
Cond. mm² max	2.5				

Surface Mounting Appliance Inlet

- Screw terminals
- With hinged lid
- Protection degree IP44



110V
50-60 Hz

230V
50-60 Hz

400V
50-60 Hz

500V
50-60 Hz

100-300Hz
> 50V

301-500Hz
> 50V

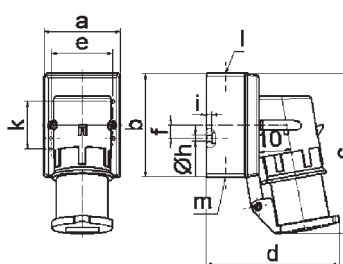
Qty g each

16 3 2461 10 205

16 4 2465 10 255



Fig.: Type 2465



5 MB 10

Ampere	16	16			
Poles	3	4			
a	64.0	75.0			
b	87.0	100.0			
c	138.0	150.0			
d	111.0	120.0			
e	51.0	59.0			
f	-	11.0			
h ø	4.1	5.1			
i	4.5	4.5			
k	40.0	-			
l	M20	M20			
m	for M20	for M20			
Cond. mm² min	1	1			
Cond. mm² max	2.5	2.5			

SURFACE MOUNTING APPLIANCE INLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

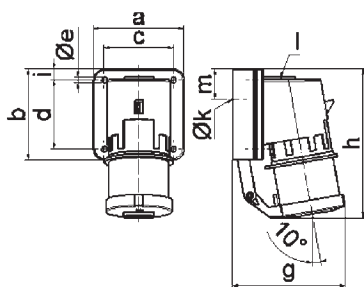
Surface Mounting Appliance Inlet

- Screw terminals
- With hinged lid
- Protection degree IP44

	 2P+E Ampere	 3P+E Poles	 3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	 Qty	g each
	16	5		2469	2470	2471				10	270
	32	3		24335	24017					10	335
	32	4				24018	24019			10	330
	32	5				24012				10	350



Fig.: Type 24012



5 MB 12

Ampere Poles	16 5	32 3	32 4	32 5		
a	84.0	90.0	90.0	90.0		
b	84.0	75.0	75.0	75.0		
c	64.0	78.0	78.0	78.0		
d	64.0	45.0	45.0	45.0		
e	5.5	5.5	5.5	5.5		
g	105.0	114.0	114.0	115.0		
h	138.0	149.0	149.0	150.0		
i	10.0	13.0	13.0	13.0		
k	23.0	29.0	29.0	29.0		
l	M20	M25	M25	M25		
m	28.0	27.0	27.0	27.0		
Cond. mm² min	1	2.5	2.5	2.5		
Cond. mm² max	2.5	6	6	6		

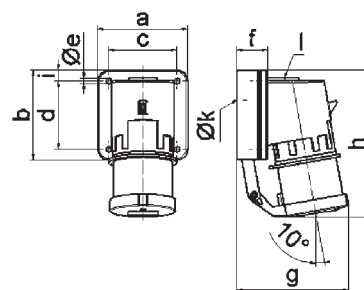
Surface Mounting Appliance Inlet Quick-Connect TE

- Screwless terminals
- With hinged lid
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

	 2P+E Ampere	 3P+E Poles	 3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	 Qty	g each
	16	5				24414				10	270
	32	5				24415				10	370



Fig.: Type 24415



5 MB 96

Ampere Poles	16 5	32 5				
a	84.0	90.0				
b	84.0	75.0				
c	64.0	78.0				
d	64.0	45.0				
e	5.5	5.5				
f	29.0	29.0				
g	105.0	115.0				
h	138.0	150.0				
i	10.0	13.0				
k	23.0	29.0				
l	M20	M25				
Cond. mm² min	1	2.5				
Cond. mm² max	2.5	6				

SURFACE MOUNTING APPLIANCE INLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Surface Mounting Appliance Inlet

- Screw terminals
- Nickel plated contacts
- Terminal for 1 mm² to 2.5 mm² conductor for 16A
- Terminal for 2.5 mm² to 6 mm² conductor for 32A
- Protection degree IP67

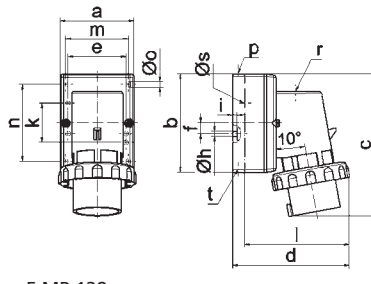
Accessories:

Closure cap: see page 102/3

	2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
16	3			2472	2473	2474				10	205
16	4			2475	2476	2477	2478	2479	2480	10	245
16	5			2481	2482	2483	24114			10	265
32	3			24154	24020					10	310
32	4				24101	24021	24022			10	325
32	5					2402	24079			10	340



Fig.: Type 2483



5 MB 128

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	64.0	75.0	84.0	90.0	90.0	90.0
b	87.0	100.0	84.0	75.0	75.0	75.0
c	137.0	151.0	136.0	138.0	138.0	139.0
d	112.0	119.0	-	122.0	122.0	123.0
e	51.0	59.0	-	-	-	-
f	-	11.0	-	-	-	-
h	4.1	5.1	-	-	-	-
i	4.5	4.5	-	-	-	-
k	40.0	-	-	-	-	-
l	-	-	111.0	-	-	-
m	-	-	64.0	78.0	78.0	78.0
n	-	-	64.0	45.0	45.0	45.0
o	-	-	5.5	5.5	5.5	5.5
p	M20	M20	-	-	-	-
r	-	-	M20	M25	M25	M25
s	-	-	23.0	29.0	29.0	29.0
t	for M20	for M20	-	-	-	-

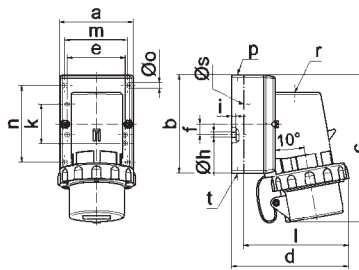
Surface Mounting Appliance Inlet

- Screw terminals
- With closure cap
- Nickel plated contacts
- Terminal for 1 mm² to 2.5 mm² conductor for 16A
- Terminal for 2.5 mm² to 6 mm² conductor for 32A
- Protection degree IP67

	2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
16	3			2484	2485	2486				10	245
16	4			2487	2488	2489	2490	2491	2492	10	350
16	5			2493	2494	2495				10	315
32	3			24216	24023					10	370
32	4					24024	24025			10	395
32	5					24013	24089	24078		10	410



Fig.: Type 2495



5 MB 127

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	64.0	75.0	84.0	90.0	90.0	90.0
b	87.0	100.0	84.0	75.0	75.0	75.0
c	137.0	151.0	137.0	147.0	147.0	148.0
d	112.0	119.0	-	122.0	122.0	123.0
e	51.0	59.0	-	-	-	-
f	-	11.0	-	-	-	-
h	4.1	5.1	-	-	-	-
i	4.5	4.5	-	-	-	-
k	40.0	-	-	-	-	-
l	-	-	111.0	-	-	-
m	-	-	64.0	78.0	78.0	78.0
n	-	-	64.0	45.0	45.0	45.0
o	-	-	5.5	5.5	5.5	5.5
p	M20	M20	-	-	-	-
r	-	-	M20	M25	M25	M25
s	-	-	23.0	29.0	29.0	29.0
t	for M20	for M20	-	-	-	-

Surface Mounting Appliance Inlet Quick-Connect TE

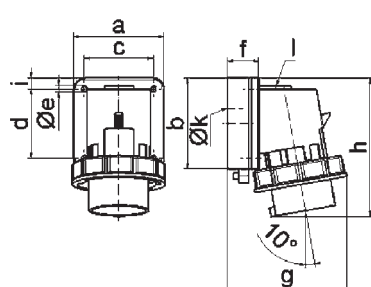
- Screwless terminal
- Nickel plated contacts
- Terminal for 1 mm² to 2.5 mm² conductor for 16A
- Terminal for 2.5 mm² to 6 mm² conductor for 32A
- Protection degree IP67

Accessories: Closure cap: see page 102/3

	2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
16	5					24416				10	275
32	5					24418				10	355



Fig.: Type 24418



5 MB 129

Ampere Poles	16 5	32 5
a	84.0	90.0
b	84.0	75.0
c	64.0	78.0
d	64.0	45.0
e	5.5	5.5
f	28.0	28.0
g	111.0	123.0
h	136.0	139.0
i	10.0	13.0
k	23.0	29.0
l	M20	M25

SURFACE MOUNTING APPLIANCE INLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

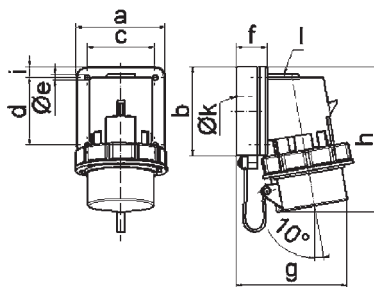
Surface Mounting Appliance Inlet Quick-Connect TE

- Screwless terminal
- With closure cap
- Nickel plated contacts
- Terminal for 1 mm² to 2.5 mm² conductor for 16A
- Terminal for 2.5 mm² to 6 mm² conductor for 32A
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	5				24258				10	340
32	5				24419				10	430



Fig.: Type 24419



5 MB 130

Ampere Poles	16	32								
5	5	5								
a	84.0	90.0								
b	84.0	75.0								
c	64.0	78.0								
d	64.0	45.0								
e	5.5	5.5								
f	28.0	28.0								
g	111.0	123.0								
h	137.0	148.0								
i	10.0	13.0								
k	23.0	29.0								
l	M20	M25								

Surface Mounting Appliance Inlet

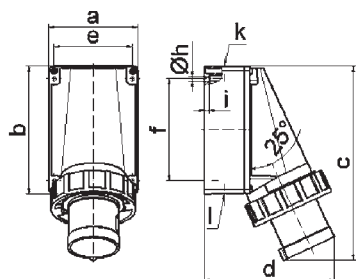
- Screw terminals
- Box terminals
- Cable entry 1x at top (open), 2x at bottom (closed)
- Base rotatable by 180°
- Nickel plated contacts
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	3		24140	24340	24145				5	845
63	4		24232	24341	24035	24342			5	990
63	5				24062		24320		5	1040

Accessories: closure cap, see page 102/3



Fig.: Type 24062



5 MB 37

Ampere Poles	63	63	63							
3	3	4	5							
a	118.0	118.0	118.0							
b	170.0	170.0	170.0							
c	259.0	259.0	259.0							
d	174.0	174.0	174.0							
e	104.0	104.0	104.0							
f	136.0	136.0	136.0							
h	6.1	6.1	6.1							
i	6.0	6.0	6.0							
k	M40	M40	M40							
l	M32/32	M32/32	M32/32							
Cond. mm ² min	6	6	6							
Cond. mm ² max	16	16	16							

Surface Mounting Appliance Inlet

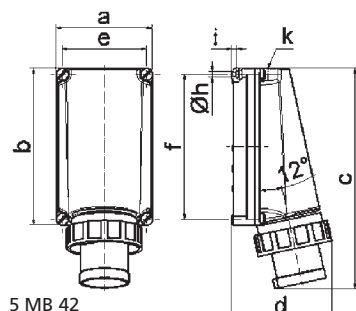
- Screw terminals
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
125	3		24197	24198	24220				1	1835
125	4		24221	24199	24200	24201			1	2140
125	5		24222		24202		24279		1	2245

Accessories: closure cap, see page 102/3



Fig.: Type 24202



5 MB 42

Ampere Poles	125	125	125							
3	3	4	5							
a	160.0	160.0	160.0							
b	260.0	260.0	260.0							
c	364.0	364.0	364.0							
d	165.0	165.0	165.0							
e	140.0	140.0	140.0							
f	240.0	240.0	240.0							
h	8.3	8.3	8.3							
i	10.0	10.0	10.0							
k	M50	M50	M50							
Cond. mm ² min	16	16	16							
Cond. mm ² max	50	50	50							

PANEL MOUNTING APPLIANCE INLETS

- With screwless Quick-Connect technology
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

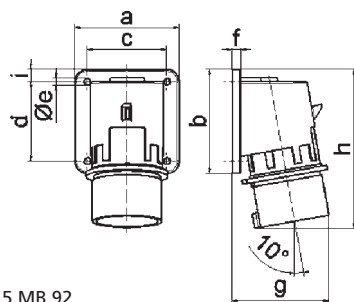
Panel Mounting Appliance Inlet Quick-Connect TE

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
16	5		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	10	180
32	5				26050				10	265
					26051					



Fig.: Type 26050



5 MB 92

Ampere	16	32								
Poles	5	5								
a	84.0	90.0								
b	84.0	75.0								
c	64.0	78.0								
d	64.0	45.0								
e ø	5.5	5.5								
f	7.0	7.0								
g	78.0	88.0								
h	129.0	139.0								
i	10.0	13.0								
Cond. mm² min	1	2.5								
Cond. mm² max	2.5	6								

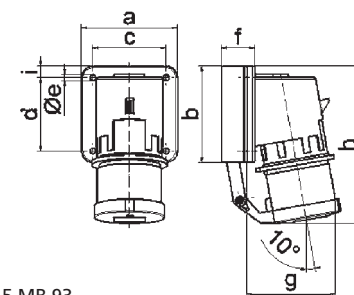
Panel Mounting Appliance Inlet Quick-Connect TE

- Screwless terminals
- With hinged lid
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
16	5		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	10	275
32	5				26052				10	355
					26053					



Fig.: Type 26052



5 MB 93

Ampere	16	32								
Poles	5	5								
a	84.0	90.0								
b	84.0	75.0								
c	64.0	78.0								
d	64.0	45.0								
e ø	5.5	5.5								
f	29.0	29.0								
g	105.0	115.0								
h	138.0	150.0								
i	10.0	13.0								
Cond. mm² min	1	2.5								
Cond. mm² max	2.5	6								

PANEL MOUNTING APPLIANCE INLETS

- With screwless Quick-Connect technology
- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Panel Mounting Appliance Inlet Quick-Connect TE

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories:

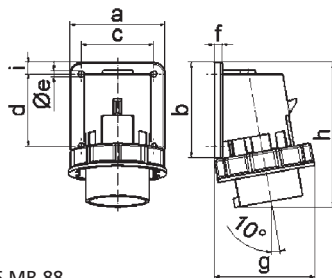
Closure cap: see page 102/3

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	5				26054				10	210
32	5				26055				10	300



Fig.: Type 26054

5 MB 88



Ampere Poles	16	32								
a	84.0	90.0								
b	84.0	75.0								
c	64.0	78.0								
d	64.0	45.0								
e	5.5	5.5								
f	7.0	7.0								
g	90.0	101.0								
h	129.0	139.0								
i	10.0	13.0								
Cond. mm² min	1	2.5								
Cond. mm² max	2.5	6								

Panel Mounting Appliance Inlet Quick-Connect TE

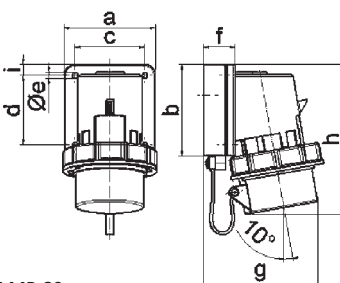
- Screwless terminals
- With closure cap
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	5				26056				10	335
32	5				26057				10	425



Fig.: Type 26056

5 MB 89



Ampere Poles	16	32								
a	84.0	90.0								
b	84.0	75.0								
c	64.0	78.0								
d	64.0	45.0								
e	5.5	5.5								
f	28.0	28.0								
g	111.0	123.0								
h	137.0	148.0								
i	10.0	13.0								
Cond. mm² min	1	2.5								
Cond. mm² max	2.5	6								

PANEL MOUNTING APPLIANCE INLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

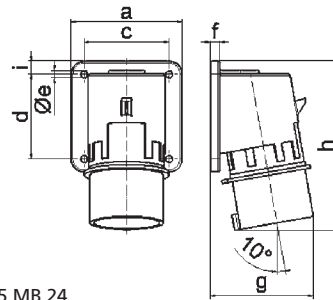
Panel Mounting Appliance Inlet

- Screw terminals
- Protection degree IP44

 2P+E Ampere			 3P+E Poles			 3P+N+E Poles			110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			 Qty		g each	
16	3	260	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h			
16	3	260		261	262																				10	140				
16	4	263		264	265	266	267	268																	10	180				
16	5	2610		2611	2612	2649		26036																	10	180				
32	3			2662																					10	200				
32	4	26026		2684	2663	2664	2679	26028																	10	225				
32	5	26023		26030	2600	26065		26029																	10	230				



Fig.: Type 2612



5 MB 24

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	74.0	75.0	84.0	90.0	90.0	90.0
b	84.0	100.0	84.0	75.0	75.0	75.0
c	58.0	62.0	64.0	78.0	78.0	78.0
d	64.0	74.0	64.0	45.0	45.0	45.0
e ø	5.5	4.3	5.5	5.5	5.5	5.5
f	12.0	12.0	7.0	7.0	7.0	7.0
g	70.0	77.0	78.0	86.0	86.0	88.0
h	128.0	145.0	129.0	138.0	138.0	140.0
i	-	-	-	13.0	13.0	13.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

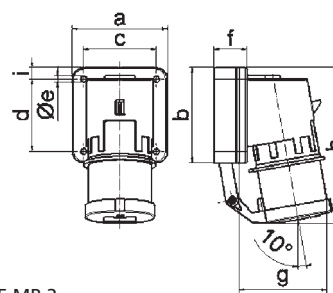
Panel Mounting Appliance Inlet

- Screw terminals
- With hinged lid
- Nickel plated contacts
- Protection degree IP44

 2P+E Ampere			 3P+E Poles			 3P+N+E Poles			110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			 Qty		g each	
16	3		3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h			
16	3		2625	2626	2627																				10	165				
16	4		2628	2629	2630	2631	2632	2633																	10	200				
16	5		2634	2635	2636	2671																			10	265				
32	3			2656																					10	300				
32	4			2685	2657	2658																			10	315				
32	5		26015		2655																				10	340				



Fig.: Type 2655



5 MB 2

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	74.0	75.0	84.0	90.0	90.0	90.0
b	84.0	100.0	84.0	75.0	75.0	75.0
c	58.0	62.0	64.0	78.0	78.0	78.0
d	64.0	74.0	64.0	45.0	45.0	45.0
e ø	5.5	4.3	5.5	5.5	5.5	5.5
f	12.0	12.0	29.0	29.0	29.0	29.0
g	78.0	88.0	105.0	114.0	114.0	115.0
h	134.0	151.0	138.0	149.0	149.0	150.0
i	-	-	-	13.0	13.0	13.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

PANEL MOUNTING APPLIANCE INLETS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Panel Mounting Appliance Inlet

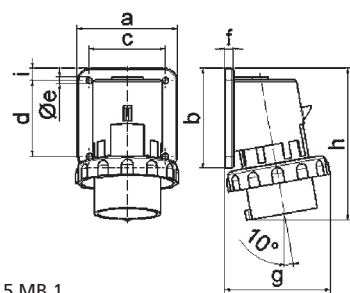
- Screw terminals
- Nickel plated contacts
- Protection degree IP67

- Accessories:
- Closure cap: see page 102/3

2P+E Ampere	3P+E Poles	110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
		3pol 4h	4pol 4h	5pol 4h	3pol 6h	4pol 9h	5pol 9h	3pol 9h	4pol 6h	5pol 6h	3pol 7h	4pol 7h	5pol 7h	3pol 10h	4pol 10h	5pol 10h	3pol 2h	4pol 2h	5pol 2h		
16	3	2613			2614			2615												10	160
16	4	2616			2617			2618			2619			2620			2621			10	180
16	5	2622			2623			2624			2650									10	205
32	3	26033			2665															10	250
32	4				2694			2666			2667									10	265
32	5							2601												10	280



Fig.: Type 2601



5 MB 1

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	74.0	75.0	84.0	90.0	90.0	90.0
b	84.0	100.0	84.0	75.0	75.0	75.0
c	58.0	62.0	64.0	78.0	78.0	78.0
d	64.0	74.0	64.0	45.0	45.0	45.0
e ø	5.5	4.3	5.5	5.5	5.5	5.5
f	12.0	12.0	7.0	7.0	7.0	7.0
g	80.0	88.0	90.0	100.0	100.0	101.0
h	128.0	145.0	129.0	138.0	138.0	139.0
i	-	-	10.0	13.0	13.0	13.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

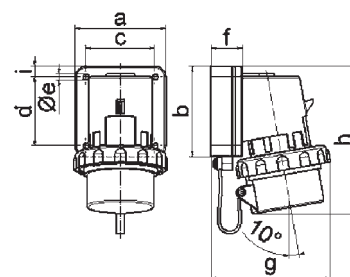
Panel Mounting Appliance Inlet

- Screw terminals
- With closure cap
- Nickel plated contacts
- Protection degree IP67

2P+E Ampere	3P+E Poles	110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
		3pol 4h	4pol 4h	5pol 4h	3pol 6h	4pol 9h	5pol 9h	3pol 9h	4pol 6h	5pol 6h	3pol 7h	4pol 7h	5pol 7h	3pol 10h	4pol 10h	5pol 10h	3pol 2h	4pol 2h	5pol 2h		
16	3	2637			2638			2639												10	200
16	4	2640			2641			2642			2643			2644			2645			10	280
16	5	2646			2647			2648												10	310
32	3				2659															10	370
32	4							2660			2661									10	390
32	5							2604												10	405



Fig.: Type 2604



5 MB 3

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	74.0	75.0	84.0	90.0	90.0	90.0
b	84.0	100.0	84.0	75.0	75.0	75.0
c	58.0	62.0	64.0	78.0	78.0	78.0
d	64.0	74.0	64.0	45.0	45.0	45.0
e ø	5.5	4.3	5.5	5.5	5.5	5.5
f	12.0	12.0	29.0	29.0	29.0	29.0
g	80.0	88.0	111.0	123.0	123.0	123.0
h	133.0	152.0	134.0	147.0	147.0	148.0
i	-	-	10.0	13.0	13.0	13.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

APPLIANCE INLETS WITH FLANGE

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

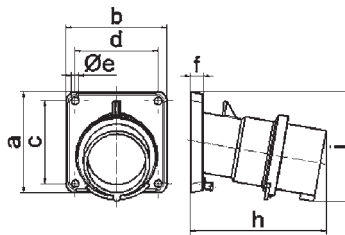
Appliance Inlet with Flange Quick-Connect TE

- Screwless terminals
- 10° angled
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 27124

	2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3			27209	27121	27210				10	140
16	4			27211	27207	27122				10	215
16	5			27215	27216	27124				10	240
32	3			27218	27219	27220				10	275
32	4			27221	27222	27223				10	250
32	5			27247	27248	27249				10	315



5 MB 21

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e ø	6.3	6.3	6.3	6.3	6.3	6.3
f	11.0	11.0	11.0	11.0	11.0	11.0
h	104.0	110.0	116.0	121.0	121.0	127.0
i	83.0	90.0	92.0	96.0	96.0	100.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

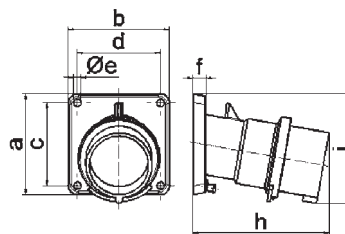
Appliance Inlet with Flange TE

- Screw terminals
- 10° angled
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 2781

	2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	3			2770	2771	2772				5	550
63	4			2773	2774	2775				5	570
63	5			2779	2780	2781				5	625



5 MB 21

Ampere Poles	63 3	63 4	63 5			
a	107.0	107.0	107.0			
b	100.0	100.0	100.0			
c	85.0	85.0	85.0			
d	77.0	77.0	77.0			
e ø	6.5	6.5	6.5			
f	12.0	12.0	12.0			
h	155.0	155.0	155.0			
i	118.0	118.0	118.0			
Cond. mm² min	6	6	6			
Cond. mm² max	16	16	16			

APPLIANCE INLETS WITH FLANGE

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Appliance Inlet with Flange Quick-Connect TE

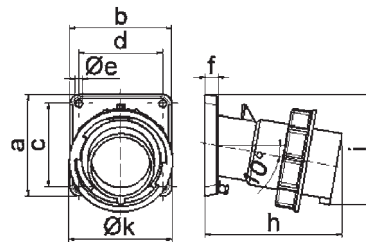
- Screwless terminals
- 10° angled
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3

		110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
		2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h
16	3				27227	2783	27228													10	175
16	4				27229	2786	2787													10	220
16	5				27233	27234	2793													10	245
32	3				27235	27236	27237													10	275
32	4				27238	27239	27240													10	295
32	5				27244	27245	27246													10	335



Fig.: Type 2793



5 MB 22

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e ø	6.3	6.3	6.3	6.3	6.3	6.3
f	11.0	11.0	11.0	11.0	11.0	11.0
h	104.0	110.0	116.0	121.0	121.0	127.0
i	83.0	90.0	92.0	96.0	96.0	100.0
k	70.5	79.5	86.5	95.0	95.0	101.5
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

Appliance Inlet with Flange TE

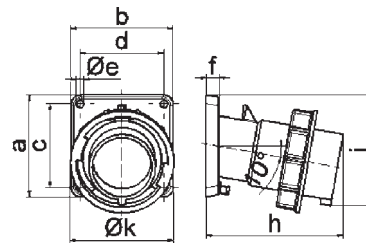
- Screw terminals
- 10° angled
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3

		110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
		2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h
63	3				27006	27007	27008													5	575
63	4				27009	27010	27011													5	640
63	5				27015	27016	27017													5	695



Fig.: Type 27017



5 MB 22

Ampere Poles	63 3	63 4	63 5			
a	107.0	107.0	107.0			
b	100.0	100.0	100.0			
c	85.0	85.0	85.0			
d	77.0	77.0	77.0			
e ø	6.5	6.5	6.5			
f	12.0	12.0	12.0			
h	155.0	155.0	155.0			
i	118.0	118.0	118.0			
k	113.5	113.5	113.5			
Cond. mm² min	6	6	6			
Cond. mm² max	16	16	16			

Appliance Inlet with Flange TE

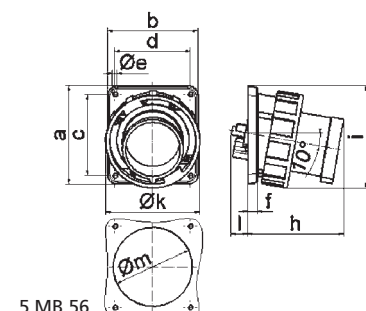
- Screw terminals
- 10° angled
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3

		110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
		2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h	3pol 4pol 5pol 2h 2h 2h
125	3				2735	2736	2737													5	905
125	4				2738	2739	2740													5	1020
125	5				2742	2743	2744													5	1115



Fig.: Type 2744



5 MB 56

Ampere Poles	125 3	125 4	125 5			
a	130.0	130.0	130.0			
b	120.0	120.0	120.0			
c	108.0	108.0	108.0			
d	100.0	100.0	100.0			
e ø	6.5	6.5	6.5			
f	13.0	13.0	13.0			
h	130.0	130.0	130.0			
i	135.0	135.0	135.0			
k	126.0	126.0	126.0			
l	23.0	23.0	23.0			
m ø	105.0	105.0	105.0			
Cond. mm² min	16	16	16			
Cond. mm² max	50	50	50			

APPLIANCE INLETS WITH FLANGE, straight

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

Appliance Inlet with Flange Quick-Connect

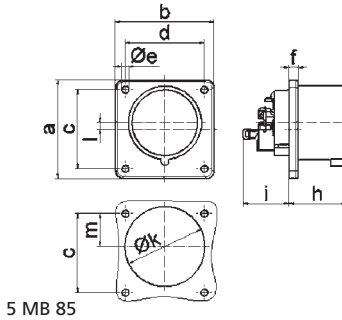
- Screwless terminals
- Flange 75 x 75 mm
- Protection degree IP44

(If used, a retaining nose must be provided.)



Fig.: Type 282002

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		each
16	3			28001	28111				28002	10	90
16	4			28003	28017	28112	28004		28005	10	105
16	5				28006	282001			28008	10	125
32	3			28009	28010					10	145
32	4				28011	28012	28013			10	165
32	5			28014	28015	282002				10	195



5 MB 85

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	75.0	75.0	75.0	75.0	75.0	75.0
b	75.0	75.0	75.0	75.0	75.0	75.0
c	60.0	60.0	60.0	60.0	60.0	60.0
d	60.0	60.0	60.0	60.0	60.0	60.0
e ø	5.5	5.5	5.5	5.5	5.5	5.5
f	7.0	7.0	7.0	7.0	7.0	7.0
h	43.0	43.0	43.0	53.0	53.0	53.0
i	39.0	39.0	39.0	50.0	50.0	50.0
k ø	42.0	48.0	61.0	57.0	57.0	60.0
l	-	-	5.0	2.0	2.0	-
m	30.0	30.0	25.0	28.0	28.0	30.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

Appliance Inlet with Flange

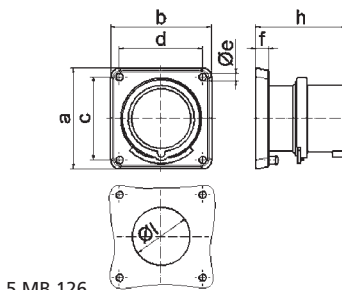
- Screw terminals
- Protection degree IP44

(If used, a retaining nose must be provided.)



Fig.: Type 28108

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		each
16	3				2898					10	155
16	4					28100				10	170
16	5					28102				10	185
32	3				28104					10	
32	4					28106				10	
32	5					28108				10	240



5 MB 126

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e ø	6.3	6.3	6.3	6.3	6.3	6.3
f	11.0	11.0	11.0	11.0	11.0	11.0
h	75.5	75.0	76.5	85.0	85.0	85.0
i	49.0	49.0	49.0	49.0	49.0	49.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

Appliance Inlet with Flange

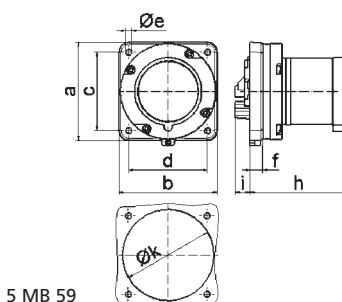
- Screw terminals
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

(If used, a retaining nose must be provided.)



Fig.: Type 2837

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		each
63	3			2880	2834			2869		5	465
63	4				2841	2833	2864			5	530
63	5					2837	2858			5	580



5 MB 59

Ampere Poles	63 3	63 4	63 5
a	110.0	110.0	110.0
b	106.0	106.0	106.0
c	90.0	90.0	90.0
d	90.0	90.0	90.0
e ø	5.5	5.5	5.5
f	13.0	13.0	13.0
h	96.0	96.0	96.0
i	19.0	19.0	19.0
k	93.0	93.0	93.0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

APPLIANCE INLETS WITH FLANGE, straight

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP67

Appliance Inlet with Flange

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

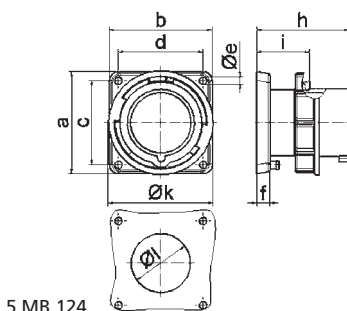
(If used, a retaining nose must be provided.)

Accessories: closure cap, see page 102/3



Fig.: Type 28109

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	3		4h	4h	4h	6h	9h	9h	9h	6h	6h	7h	7h	7h	10h	10h	10h	2h	2h	2h	10	180
16	4																				10	200
16	5																				10	220
32	3		4h	4h	4h	6h	9h	9h	9h	6h	6h	7h	7h	7h	10h	10h	10h	2h	2h	2h	10	250
32	4																				10	270
32	5																				10	300



Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e Ø	6.3	6.3	6.3	6.3	6.3	6.3
f	11.0	11.0	11.0	11.0	11.0	11.0
h	75.5	75.0	76.5	85.0	85.0	85.0
i	44.0	44.0	44.0	44.0	44.0	44.0
k	70.5	78.5	86.5	94.0	94.0	101.5
l Ø	49.0	49.0	49.0	49.0	49.0	49.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

5 MB 124

Appliance Inlet with Flange TE

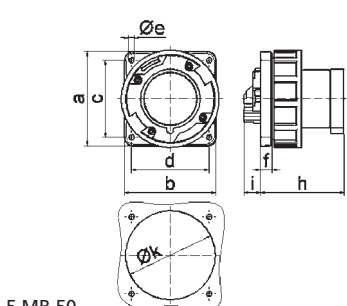
- Screw terminals
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3



Fig.: Type 2838

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
63	3		4h	4h	4h	6h	9h	9h	9h	6h	6h	7h	7h	7h	10h	10h	10h	2h	2h	2h	5	530
63	4																				5	580
63	5																				5	650



Ampere Poles	63 3	63 4	63 5
a	110.0	110.0	110.0
b	106.0	106.0	106.0
c	90.0	90.0	90.0
d	90.0	90.0	90.0
e Ø	5.5	5.5	5.5
f	13.0	13.0	13.0
h	96.0	96.0	96.0
i	19.0	19.0	19.0
k	93.0	93.0	93.0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

5 MB 50

Appliance Inlet with Flange TE

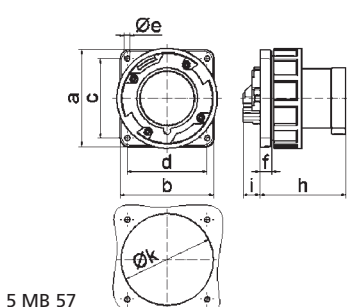
- Screw terminals
- Flange 120 x 120 mm
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3



Fig.: Type 2876

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz			230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			100-300Hz > 50V			301-500Hz > 50V			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
125	3		4h	4h	4h	6h	9h	9h	9h	6h	6h	7h	7h	7h	10h	10h	10h	2h	2h	2h	5	885
125	4																				5	950
125	5																				5	1110



Ampere Poles	125 3	125 4	125 5
a	120.0	120.0	120.0
b	120.0	120.0	120.0
c	100.0	100.0	100.0
d	100.0	100.0	100.0
e Ø	6.5	6.5	6.5
f	13.0	13.0	13.0
h	116.0	116.0	116.0
i	20.0	20.0	20.0
k	104.0	104.0	104.0
Cond. mm² min	16	16	16
Cond. mm² max	50	50	50

5 MB 57

APPLIANCE INLETS WITH FLANGE

- Particularly suitable for harsh operating conditions, especially resistant to aggressive atmospheres
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44/ IP67

Appliance Inlet with Flange Quick-Connect TE

- Screwless terminals
- 10° angled
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 91/1 (5 MB 21)



Fig.: Type 27249

2P+E Ampere	3P+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	3										10	140
16	4										10	215
16	5										10	240
32	3										10	275
32	4										10	250
32	5										10	315

Appliance Inlet with Flange TE

- Screw terminals
- 10° angled
- High-temperature-resistant contact carrier
- Box terminals
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 91/2 (5 MB 21)



Fig.: Type 2781

2P+E Ampere	3P+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
63	3										5	515
63	4										5	570
63	5										5	625

- Screwless terminals
- 10° angled
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3
Dimension drawing: see page 92/1 (5 MB 22)



Fig.: Type 27246

2P+E Ampere	3P+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	3										10	175
16	4										10	220
16	5										10	245
32	3										10	275
32	4										10	295
32	5										10	335

Appliance Inlet with Flange TE

- Screw terminals
- 10° angled
- High-temperature-resistant contact carrier
- Box terminals
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3
Dimension drawing: see page 92/2 (5 MB 22)



Fig.: Type 27017

2P+E Ampere	3P+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
63	3										5	575
63	4										5	640
63	5										5	695

Appliance Inlet with Flange TE

- Screw terminals
- 10° angled
- High-temperature-resistant contact carrier
- Box terminals
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3
Dimension drawing: see page 92/3 (5 MB 56)



Fig.: Type 2744

2P+E Ampere	3P+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
125	3										5	905
125	4										5	1020
125	5										5	1115

Phase Inverter as Plug Quick-Connect with Multi-Grip

- Screwless terminals
- Screwless enclosure connection, self locking
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Dimension drawing: see page 78/1 (2 MB 99)



Fig.: Type 225

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	4	22052			22053			10	135
16	5	224			225			10	160
32	4	22054			22055			10	250
32	5	226			227			10	260

Phase Inverter as Plug TE with Multi-Grip

- Screw terminals
- Special gland, simultaneous cable gland and seal
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 78/2 (2 MB 93)



Fig.: Type 2271

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	5	2286			2271			10	195
32	5	2287			2288			10	300

Phase Inverter as Plug TE with Multi-Grip

- Screw terminals
- Special gland, simultaneous cable gland and seal
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3

Dimension drawing: see page 79/1 (2 MB 94)



Fig.: Type 2251

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	5	2266			2251			10	230
32	5	2267			2252			10	360

Phase Inverter as Surface Mounting Appliance Inlet

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 82/1 (5 MB 45)



Fig.: Type 24211

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	5	24208			24209			10	320
32	5	24210			24211			10	380

Phase Inverter as Panel Mounting Appliance Inlet

- Screw terminals
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 87/1 (5 MB 92)



Fig.: Type 2602

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	5	26008			2602			10	185
32	5	2652			2603			10	250

Phase Inverter as Panel Mounting Appliance Inlet

- Screw terminals
- With hinged lid
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 87/2 (5 MB 93)



Fig.: Type 26020

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	5				26020			10	270
32	5				2674			10	345

PHASE INVERTERS

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44/ IP67

Phase Inverter as Appliance Inlet with Flange

- Screw terminals
- Nickel plated contacts
- Protection degree IP44

(If used, a retaining nose must be provided.)

Dimension drawing: see page 93/2 (5 MB 126)



Fig.: Type 28183

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	5							10	205
32	5							10	275

Phase Inverter as Appliance Inlet with Fange

- Screw terminals
- Nickel plated contacts
- High-temperature-resistant contact carrier
- Protection degree IP44

(If used, a retaining nose must be provided.)

Dimension drawing: see page 93/1 (5 MB 85)



Fig.: Type 2870

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	5							10	140
32	5							10	195

Phase Inverter as Panel Mounting Appliance Inlet

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3

Dimension drawing: see page 90/1 (5 MB 1)



Fig.: Type 2607

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	5							10	205
32	5							10	285

Phase Inverter as Appliance Inlet with Flange

- Screw terminals
- Nickel plated contacts
- Protection degree IP67

(If used, a retaining nose must be provided.)

Accessories: closure cap, see page 102/3

Dimension drawing: see page 94/1 (5 MB 124)



Fig.: Type 28184

Ampere	Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
		3pol	4pol	5pol	3pol	4pol	5pol		
16	5							10	250
32	5							10	310

PHASE SEQUENCE INDICATORS, ADAPTERS

- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

Phase Sequence Indicator

- Nickel plated contacts

Phase sequence indicators for reefer container, see page 210/5



Fig.: Type 2214

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	4		6h	9h	9h	9h	6h	6h	7h	7h	7h	10	145
16	5											10	175
32	4											10	245
32	5											10	250
63	4											2	475
63	5											2	525

Phase Sequence Indicator "TRIPOL" 400/ 230V

- Nickel plated contacts
- With integrated Domestic socket (system F - German earthing System)
- Integrated electronics for:
 - rotary field indicator
 - connection of testing devices
 - phase sequence indicator



Fig.: Type 2235

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	5											10	240
32	5											5	310
63	5											2	610

Phase Sequence Indicator

- Nickel plated contacts
- Without keyway
- For all operating voltages between 230V and 600V



Fig.: Type 2231

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			500V 50-60 Hz			Qty	each
			3pol	4pol	5pol	3pol	4pol	5pol	3pol	4pol	5pol		
16	4											10	145
16	5											10	175
32	4											10	245
32	5											10	250
63	4											2	475
63	5											1	525

Adapter Plug

Further adapter systems on request.



Fig.: Type 8615

		Order no.
CEE plug 16A/ 230V/ 3p to Domestic socket 16A/ 230V~		8615
CEE plug 16A/ 230V/ 3p to domestic socket 16A/ 230V ~, Belgian/French system (CEE 7)		8614
CEE plug 16A/ 230V/ 3p to domestic socket 16A/ 230V ~, Swiss system (type 13)		8618

Adapter Plug

Further adapter systems on request.



Fig.: Type 860

		Order no.
CEE plug 16A/ 400V/ 5p to Domestic socket 16A/ 230V~		860

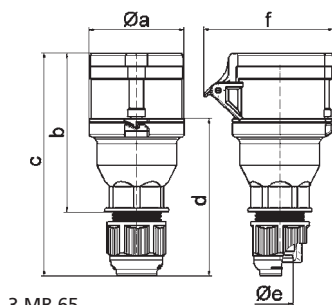
Connector Quick-Connect with Multi-Grip

- Screwless terminals
- Screwless enclosure connection, self locking
- Kontex contact
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3		3125	3126					10	120
16	4			3129	3130				10	160
16	5			3135	3136				10	165
32	3		3137	3138					10	240
32	4			3141	3142				10	260
32	5			3147	3148				10	300



Fig.: Type 3148



3 MB 65

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a Ø	53.0	60.0	66.0	74.5	74.5	74.5
b	100.5	112.5	113.5	133.5	133.5	134.5
c	141.0	153.0	154.0	186.0	186.0	187.0
d	97.5	104.5	105.5	127.5	127.5	128.5
e Ø	18.0	18.0	18.0	23.0	23.0	23.0
f	76.0	79.0	86.0	92.0	92.0	97.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

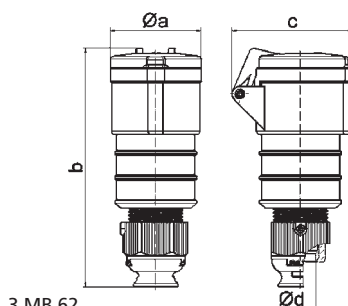
Connector TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3		31659	31533	31665	31955	31956	31957	10	145
16	4		31681	31661	31534	31959	31669	31671	10	170
16	5		31962	31662	31536	31964	31965	31966	10	200
32	3		31967	31968	31666	31970	31971	31972	10	265
32	4		31973	31974	31975	31976	31670	31672	10	285
32	5		31979	31664	31981	31884	31983	31984	10	340



Fig.: Type 31981



3 MB 62

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a Ø	51.0	58.0	65.0	66.5	66.5	72.0
b	156.0	162.0	168.0	195.0	195.0	198.0
c	72.0	78.0	86.0	89.0	89.0	99.0
d Ø	18.0	18.0	21.0	23.0	23.0	27.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

Connector TE with Multi-Grip

- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	4				310490	310492			5	740
63	5				310494				5	785
Screw terminal:										
63	3		3108	3104	3109	31723	31606	31858	5	590
63	4		3149	3150	3151	3152	31085	31642	5	630
63	5		3153	3154	3112	31086	31500	31257	5	670

In the case of screw terminal connectors with PILOT, please add -P to the end of the order number.

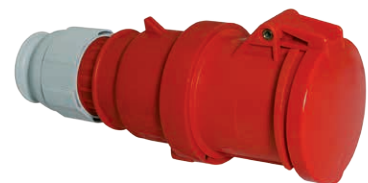
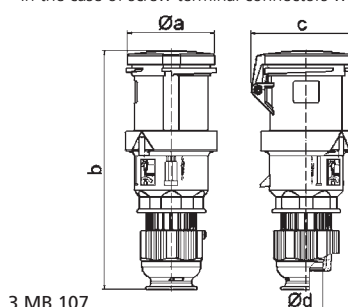


Fig.: Type 3112



3 MB 107

Ampere Poles	63 3	63 4	63 5
a Ø	95.0	95.0	95.0
b	251.0	251.0	251.0
c	109.0	109.0	109.0
d Ø	36.0	36.0	36.0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

Connector with Multi-Grip

- Screw terminals
- Nickel plated contacts
- One-piece enclosure
- Kontex contact
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3		310331	310333	310334				10	175
16	4		310338	310339	310340				10	200
16	5		310344	310345	310346				10	220
32	3		310350	310351	310352				10	305
32	4		310356	310357	310358				10	315
32	5		310362	310363	310364				10	360



Fig.: Type 310346

3 MB 81	16 3	16 4	16 5	32 3	32 4	32 5
Ampere Poles	3	4	5	3	4	5
a ø	70.5	78.0	86.5	94.0	94.0	101.5
b	154.0	155.0	160.0	190.0	190.0	190.0
c	77.0	83.0	93.0	99.0	99.0	107.0
e ø	18.0	18.0	18.0	23.0	23.0	23.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

Connector TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
16	3		31298	31240	31299	31457	310554	310417	10	175
16	4		31301	31302	31241	31242	31303	31304	10	205
16	5		31305	31306	31243	31501		31409	10	245
32	3		31307	31244	31308				10	335
32	4		31309	31310	31245	31246	31311	31312	10	350
32	5		31313	31314	31247	31207		310415	10	410



Fig.: Type 31243

3 MB 63	16 3	16 4	16 5	32 3	32 4	32 5
Ampere Poles	3	4	5	3	4	5
a ø	70.5	78.0	86.5	94.0	94.0	101.5
b	161.0	161.0	168.0	196.0	196.0	200.0
c	77.0	83.0	93.0	99.0	99.0	107.0
d ø	18.0	18.0	21.0	23.0	23.0	27.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

Connector TE-Plus with Multi-Grip

- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
63	4				310491	310493			5	800
63	5				310495				5	855
Screw terminal:										
63	3		3180	3181	3182	31724	31605		5	665
63	4		3183	3184	3185	3186	31504	31251	5	720
63	5		3187	3188	3124	31082	31505	31183	5	720

In the case of screw terminal connectors with PILOT, please add -P to the end of the order number.



Fig.: Type 310495

3 MB 109	63 3	63 4	63 5
Ampere Poles	3	4	5
a ø	110.0	110.0	110.0
b	251.0	251.0	251.0
c	113.0	113.0	113.0
d ø	36.0	36.0	36.0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

Connector TE with Multi-Grip

- Screw terminals
- Box terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- ζ , self locking
- Protection degree IP67

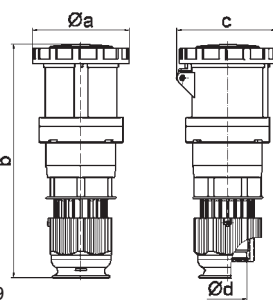
	3 2P+E Ampere	4 3P+E Poles	5 3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	g Qty	each
	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h					
125	3	3190	3191	3192						5	1130
125	4	3193	3194	3195	3196	31611				5	1230
125	5	3197	3198	3199	31417					5	855

In the case of connectors with PILOT, please add -P to the end of the order number.



Fig.: Type 3199

3 MB 69



Ampere Poles	125 3	125 4	125 5			
a Ø	125.0	125.0	125.0			
b	300.0	300.0	300.0			
c	128.0	128.0	128.0			
d Ø	50.0	50.0	50.0			
Cond. mm² min	16	16	16			
Cond. mm² max	50	50	50			

Connector Quick-Connect lockable

- Screwless terminals
- Lockable with matching connector
- Screwless enclosure connection, self locking
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Accessories: Lock set, see page 102/5

	3 2P+E Ampere	4 3P+E Poles	5 3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	g Qty	each
	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h					
16	5	310634								10	
32	5	310635								10	

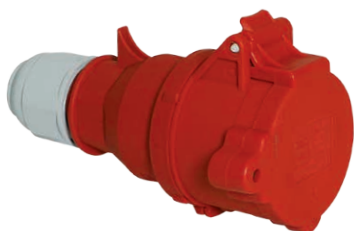
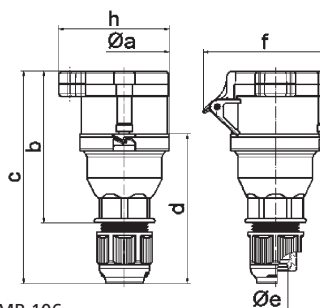


Fig.: Type 310635

3 MB 106



Ampere Poles	16 5	32 5				
a Ø	66.0	74.5				
b	113.5	134.5				
c	154.0	187.0				
d	105.5	128.5				
e Ø	18.0	23.0				
f	86.0	97.0				
h	82.0	100.0				
Cond. mm² min	1	2.5				
Cond. mm² max	2.5	6				

Hanging Connector TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

	3 2P+E Ampere	4 3P+E Poles	5 3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	g Qty	each
	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h					
16	3	3208	3209							10	190
16	4			3210	3211	3213	3212			10	220
16	5			3214						10	260
32	3	3215	3216							10	
32	4			3217	3218	3220	3219			10	
32	5			3221						10	425

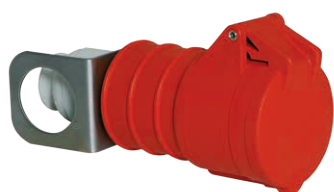
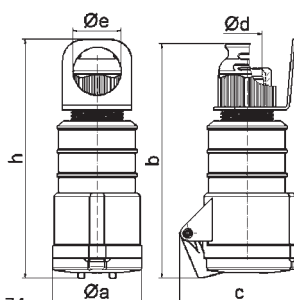


Fig.: Type 3214

3 MB 74



Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a Ø	51.0	58.0	65.0	66.5	66.5	72.0
b	156.0	162.0	168.0	195.0	195.0	198.0
c	72.0	78.0	86.0	89.0	89.0	99.0
d Ø	18.0	18.0	21.0	23.0	23.0	27.0
e Ø	39.5	39.5	35.5	48.5	48.5	44.5
h	167.5	173.5	171.5	208.0	208.0	205.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

Hanging Clip

- For plugs and connectors with Multi-Grip cable gland



Fig.: Type 58401

	Order no.
for 16A	58400
for 32A	58401
for 63A and 125A	58402

Cable Gland Multi-Grip with Additional Strain Relief

- For plugs and connectors with Multi-Grip cable gland



Fig.: Type 29132

	Order no.
for 16A/ 3p, 4p TE + TE-Plus, 16A/ 3p, 4p, 5p QC + TLS	29148
for 16A/ 5p TE + TE-Plus	29149
for 32A/ 3p, 4p, 5p TE + TE-Plus	29150
for 63A/ 3p, 4p, 5p TE + TE-Plus	29132
for 125A/ 3p, 4p, 5p TE	29133

Closure Cap

- For CEE plugs
- Protection degree IP67



Fig.: Type 832

	Order no.
16A/ 3p	830
16A/ 4p	835
16A/ 5p, 7p	831
32A/ 3p, 4p	837
32A/ 5p, 7p	832
63A/ 3p, 4p, 5p	833
125A/ 3p, 4p, 5p	834

Reducer

- Suitable for cables less than Ø8mm
- For all 16A standard plugs and sockets with Multi-Grip as well as extra-low voltage



Fig.: Type 29129

	Order no.
	29129

Lock Set

- For plugs/connectors of type 310634, 310635, 210950 and 210951
- With long shackle and 2 keys



Fig.: Type 580642

	Order no.
	580642





Domestic Panel Mounting Socket Outlets

German Earthing System Type F



Page 108

Belgian/ French Earthing System
Type E



Page 109

British Earthing System Type G



Page 110

Danish Earthing System Type K



Pages 110

Swiss Earthing System Type J



Page 111

Domestic Surface Mounting Socket Outlets

IP44



Page 112

IP67



Page 112

Switched, Interlocked



Page 112

Domestic Plugs and Inlets

Plugs
IP44



Page 112

Plugs
IP67



Page 112

Appliance inlets with Flange

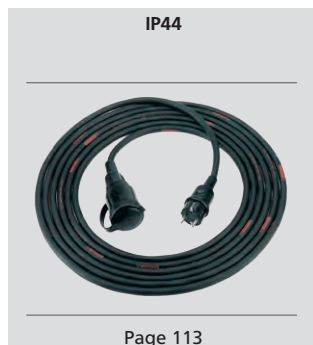


Page 113

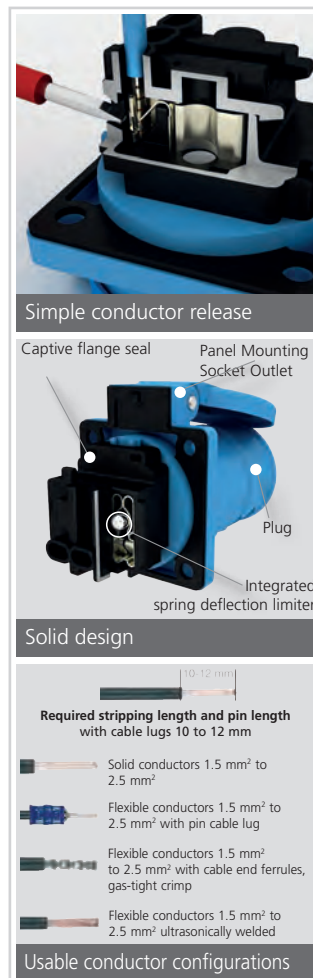
Domestic Connectors



Domestic Extension Leads



Technical features



Domestic Panel Mounting Socket Outlets with Quick-Connect

- Screwless connection technology
- Robust terminal and enclosure design
- Special contact technology largely prevents contact deformation that can lead to a rise in temperature
- Captive flange seal
- Available as IP44 or IP54
- Flange dimensions in 50 x 50 mm and 75 x 75 mm
- Versions available for German, Swiss, or Belgian/French system
- Also with child-proof safety feature on request
- Special colours on request
- VDE tested
- Touch-safe in accordance with BGV A3
- Nickel plated contacts



Domestic Surface Mounting Socket Outlet, switched, interlocked

- Switched and electrically interlocked
- Load-free connection and disconnection is guaranteed
- Surface Mounting Socket Outlet can be operated safely both with an IP44 Domestic plug and an IP67 Domestic plug
- Safe
- Simple operation
- Clear state detection owing to engraved ON/OFF position
- Lockable 3x in 0-position

DOMESTIC PANEL MOUNTING SOCKET OUTLETS

- 16A/ 250V ~
- VDE 0620
- Protection degree IP44, IP54, IP67

German Earthing System Type F

Domestic Panel Mounting Socket Outlet

- Screw terminals
- Without hinged lid
- Connection at rear
- Nickel plated contacts
- Protection degree IP20
- German earthing system type F

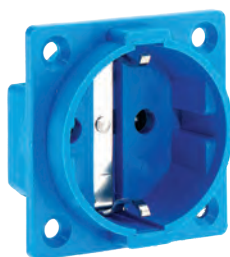
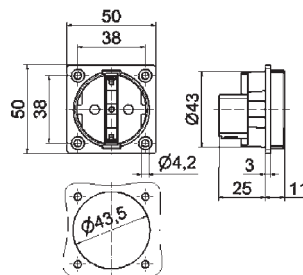


Fig.: Type 713



18 MB 1

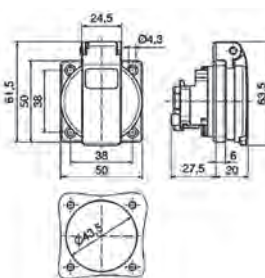
Colour	Order no.	Qty
blue	713	20
grey	712	20
black	714	20

Domestic Panel Mounting Socket Outlet

- Hinged lid and injected flange gasket
- Flange 50 x 50 mm
- Mounting dimension 38 x 38 mm
- Connection terminal in accordance with BGV A2
- Nickel plated contacts
- Protection degree IP54
- German earthing system type F



Fig.: Type 71099



18 MB 102

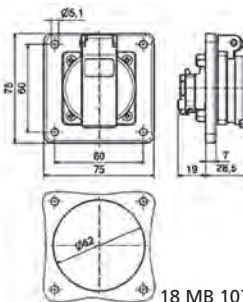
Version	Colour	Order no.	Qty
Quick-Connect	blue	71099	20
Quick-Connect	grey	71100	20
Quick-Connect	black	71101	20
Screw terminal	blue	71094	20
Screw terminal	grey	71095	20
Screw terminal	black	71097	20

Domestic Panel Mounting Socket Outlet

- Flange 75 x 75 mm
- Mounting dimension 60 x 60 mm
- Nickel plated contacts
- Protection degree IP54
- German earthing system type F



Fig.: Type 71108



18 MB 107

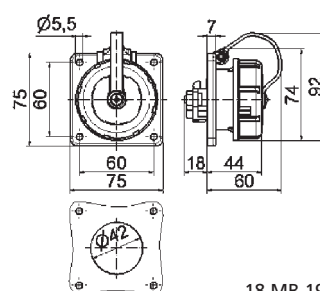
Version	Colour	Order no.	Qty
Quick-Connect	blue	71108	20
Quick-Connect	grey	71109	20
Quick-Connect	black	71110	20
Screw terminal	blue	71105	20
Screw terminal	grey	71106	20
Screw terminal	black	71107	20

Domestic Panel Mounting Socket Outlet

- Screw terminals
- Flange 75 x 75 mm
- Mounting dimension 60 x 60 mm
- Nickel plated contacts
- Protection degree IP67
- German earthing system type F



Fig.: Type 7112



18 MB 19

Colour	Order no.	Qty
blue	7112	10
grey	7119	10

Domestic Panel Mounting Socket Outlet with Auxiliary Contact

- Screw terminals
- Flange 50 x 50 mm
- Mounting dimension 38 x 38 mm
- For measuring, regulating, controlling, acknowledging
- With hinged lid
- Nickel plated contacts
- Protection degree IP44
- German earthing system type F

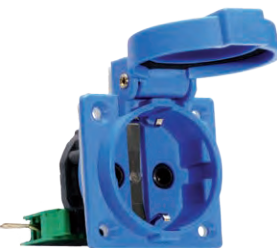
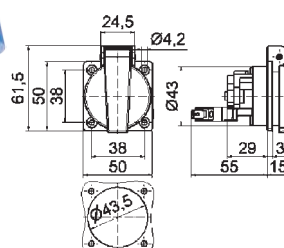


Fig.: Type 7168



18 MB 36

Version	Colour	Order no.	Qty
NO contact	blue	7154	20
NC contact	grey	7168	20

DOMESTIC PANEL MOUNTING SOCKET OUTLETS

- 16A/ 250V ~
- VDE 0620
- Protection degree IP54, IP67

Belgian/ French Earthing System Type E

Domestic Panel Mounting Socket Outlet

- Flange 50 x 50 mm
- Mounting dimension 38 x 38 mm
- Connection terminal in accordance with BGV A2
- Nickel plated contacts
- Protection degree IP54
- Belgian/ French earthing system type E

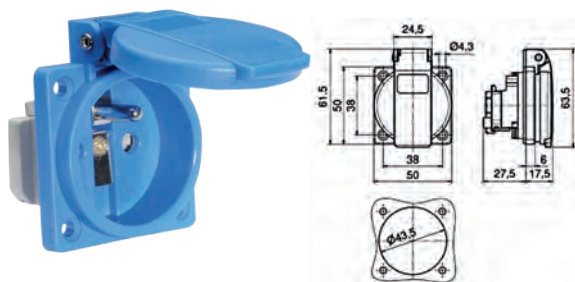


Fig.: Type 71118

18 MB 103

Version	Colour	Order no.	Qty
Quick-Connect	blue	71118	20
Quick-Connect	grey	71119	20
Quick-Connect	black	71120	20
Screw terminal	blue	7139	20
Screw terminal	grey	7142	20

Domestic Panel Mounting Socket Outlet

- Screwless terminals
- Flange 75 x 75 mm
- Mounting dimension 60 x 60 mm
- Connection terminal in accordance with BGV A2
- Nickel plated contacts
- Protection degree IP54
- Belgian/ French earthing system type E

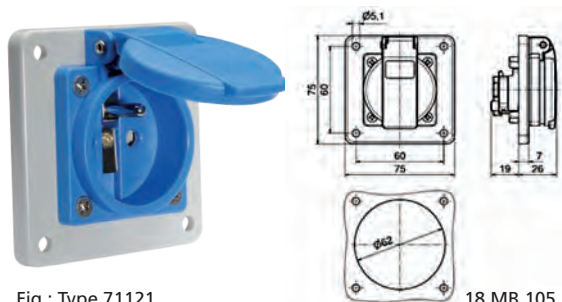


Fig.: Type 71121

18 MB 105

Version	Colour	Order no.	Qty
Quick-Connect	blue	71121	20
Quick-Connect	grey	71122	20
Quick-Connect	black	71123	20

Domestic Panel Mounting Socket Outlet

- Screw terminals
- Flange 75 x 75 mm
- Mounting dimension 60 x 60 mm
- Nickel plated contacts
- Protection degree IP68
- Belgian/ French earthing system type E

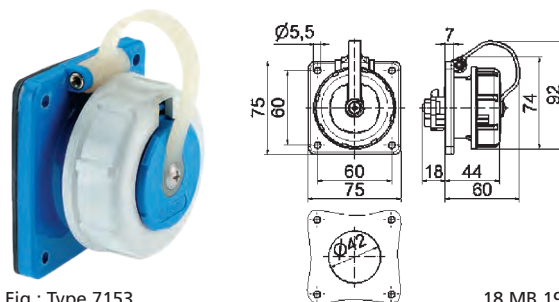


Fig.: Type 7153

18 MB 19

Colour	Order no.	Qty
blue	7153	10
grey	71028	10

Domestic Panel Mounting Socket Outlet with Auxiliary Contact

- Screw terminals
- Belgian-French system E
- Flange 50 x 50 mm
- Mounting dimension 38 x 38 mm
- For measuring, regulating, controlling, acknowledging
- With hinged lid
- Nickel plated contacts
- Protection degree IP54
- Belgian/ French earthing system type E

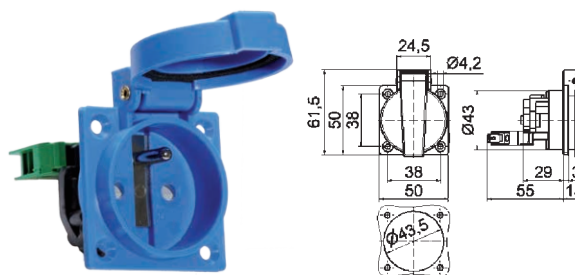


Fig.: Type 7168

18 MB 36

Version	Colour	Order no.	Qty
NO contact	blue	71001	20
NC contact	blue	7163	20

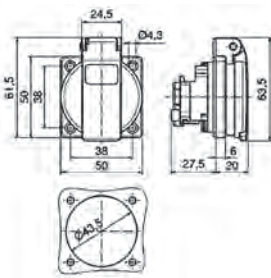
British Earthing System Type G

Domestic Panel Mounting Socket Outlet

- Screw terminal
- Flange 50 x 50 mm
- Mounting dimension 38 x 38 mm
- Nickel plated contacts
- Protection degree IP44
- British earthing system type G



Fig.: Type 71142



18 MB 102

Colour	Order no.	Qty	
blue	71142	10	

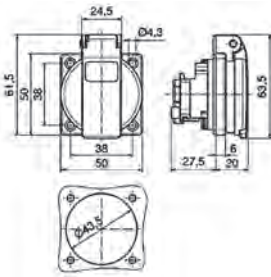
Danish Earthing System Type K

Domestic Panel Mounting Socket Outlet

- Screw terminal
- Flange 50 x 50 mm
- Mounting dimension 38 x 38 mm
- Nickel plated contacts
- Protection degree IP54
- Danish earthing system type K



Fig.: Type 71071



18 MB 102

Colour	Order no.	Qty	
blue	71071	10	

DOMESTIC PANEL MOUNTING SOCKET OUTLETS

- 16A/ 250V ~
- VDE 0620
- Protection degree IP54

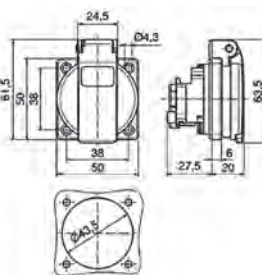
Swiss Earthing System Type J

Domestic Panel Mounting Socket Outlet Typ 13

- 10A, 230V, 3p
- Screw terminal
- Flange 50 x 50 mm
- Nickel plated contacts
- Protection degree IP54 
- Swiss earthing system type J



Fig.: Type 770



18 MB 102

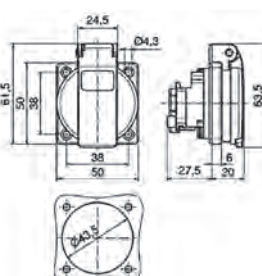
Colour	Order no.	Qty
blue	770	10

Domestic Panel Mounting Socket Outlet Typ 23 with Swiss System J

- 16A, 230V, 3p
- Screw terminal
- Flange 50 x 50 mm
- Nickel plated contacts
- Protection degree IP54 
- Swiss earthing system type J



Fig.: Type 776



18 MB 102

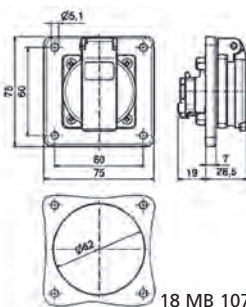
Colour	Order no.	Qty
blue	776	10

Domestic Panel Mounting Socket Outlet Typ 13 with Swiss System J

- 10A, 230V, 3p
- Screw terminal
- Flange 75 x 75 mm
- Nickel plated contacts
- Protection degree IP54 
- Swiss earthing system type J



Fig.: Type 772



18 MB 107

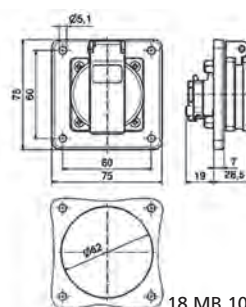
Colour	Order no.	Qty
blue	772	10

Domestic Panel Mounting Socket Outlet Typ 23 with Swiss System J

- 16A, 230V, 3p
- Screw terminal
- Flange 75 x 75 mm
- Nickel plated contacts
- Protection degree IP54 
- Swiss earthing system type J



Fig.: Type 779



18 MB 107

Colour	Order no.	Qty
blue	779	10

DOMESTIC PLUGS AND SOCKETS

- 16A/ 250V ~
- VDE 0620
- Protection degree IP44, IP67

Domestic Surface Mounting Socket Outlet

- Dimension of enclosure 66 x 54 mm
- Protection degree IP44 

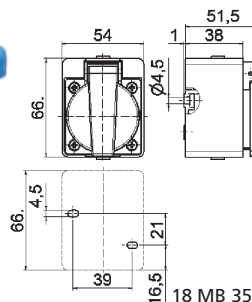
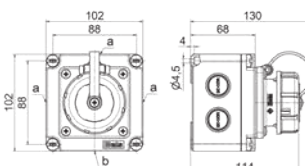


Fig.: Type 724

Earthring Type	Colour	Order no.	Qty
Country/ System			
Germany/ F	blue	724	20
Germany/ F	black	726	20

Domestic Surface Mounting Socket Outlet

- Dimension of enclosure 102 x 102 mm
- Protection degree IP67 



a	2xM20/M25
b	1xM20/M25

Fig.: Type 7245

18 MB 114

Earthring Type	Colour	Order no.	Qty
Country / System			
Germany/ F	blue	7245	10
Belg./France/ E	blue	7246	10

Domestic Surface Mounting Socket Outlet

- Switched and electrically interlocked
- Protection degree IP67

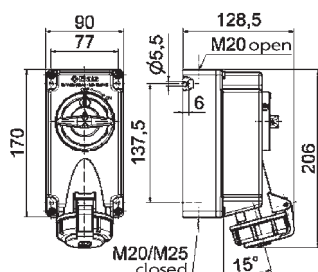


Fig.: Type 76100

18 MB 61

Earthring Type	Order no.	Qty
Country / System		
Germany/ F	76100	1

Domestic Plug

- With cable sleeve
- Nickel plated contacts
- Also suitable for Belgian/French system
- Protection degree IP44 

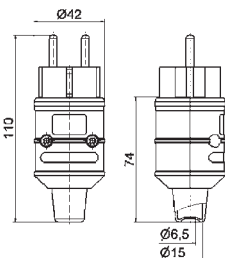


Fig.: Type 7302

18 MB 34

Earthring Type	Colour	Order no.	Qty
Country/ System			
Germany/ F	blue	7302	20
Germany/ F	grey	7303	20
Germany/ F	black	7306	20

Domestic Plug

- With cable gland
- Nickel plated contacts
- Also suitable for Belgian/French system
- With closure cap
- Protection degree IP67 

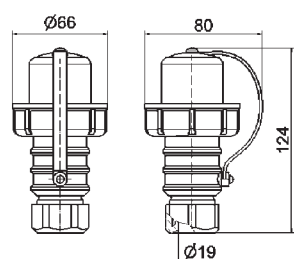


Fig.: Type 736

18 MB 18

Earthring Type	Colour	Order no.	Qty
Country/ System			
Germany/ F	blue	736	10
Germany/ F	grey	737	10

DOMESTIC PLUGS AND SOCKETS

- 16A/ 250V ~
- VDE 0620
- Protection degree IP44, IP54, IP67

Domestic Appliance Inlet with Flange

- With closure cap
- Nickel plated contacts
- Also suitable for Belgian/French system
- Protection degree IP67

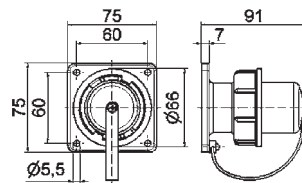


Fig.: Type 754

18 MB 16

Earthing Type	Colour	Order no.	Qty
Country/ System			
Germany/ F	blue	754	10
Germany/ F	grey	755	10

Domestic Connector

- With self-closing hinged lid and cable sleeve
- Nickel plated contacts
- Protection degree IP54

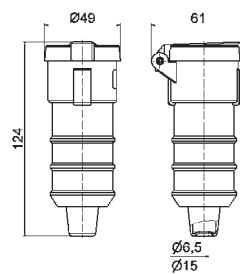


Fig.: Type 7409

18 MB 33

Earthing Type	Colour	Order no.	Qty
Country/ System			
Germany/ F	blue	7409	20
Germany/ F	grey	7410	20
Germany/ F	black	7428	20
Belg./France/ E	blue	7415	20

Domestic Connector

- With cable gland
- Nickel plated contacts
- Protection degree IP67

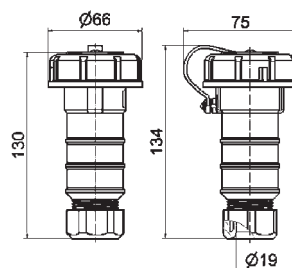


Fig.: Type 746

18 MB 26

Earthing Type	Colour	Order no.	Qty
Country/ System			
Germany/ F	blue	746	10
Germany/ F	grey	747	10
Belg./France/ E	blue	7416	10
Belg./France/ E	grey	7455	10

Domestic Three-Way Connector

- With cable gland
- Nickel plated contacts
- With cover and hanging bracket
- Protection degree IP67

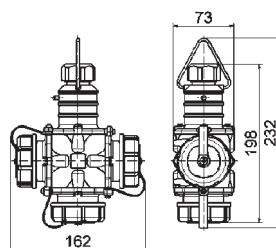


Fig.: Type 749

18 MB 27

Earthing Type	Colour	Order no.	Qty
Country/ System			
Germany/ F	blue	749	1
Belg./France/ E	blue	7432	1

Extension Lead

With Domestic plug and connector

- Protection degree IP44



Fig.: Type 8156

	Length	Order no.	Qty
H07RN-F3G1,5	10 m	8189	1
H07RN-F3G2,5	10 m	8156	1
H07RN-F3G1,5	15 m	8190	1
H07RN-F3G2,5	15 m	8158	1
H07RN-F3G1,5	20 m	8191	1
H07RN-F3G2,5	20 m	8192	1

Extension Lead

With watertight Domestic plug and connector

- Protection degree IP67



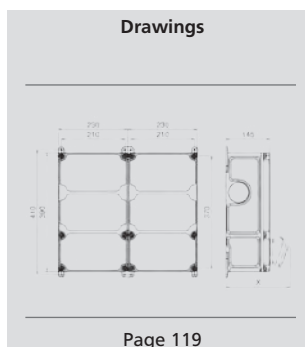
Fig.: Type 8199

	Length	Order no.	Qty
H07RN-F3G1,5	10 m	8198	1
H07RN-F3G2,5	10 m	8199	1
H07RN-F3G1,5	15 m	81000	1
H07RN-F3G2,5	15 m	81001	1
H07RN-F3G1,5	20 m	81002	1
H07RN-F3G2,5	20 m	81003	1





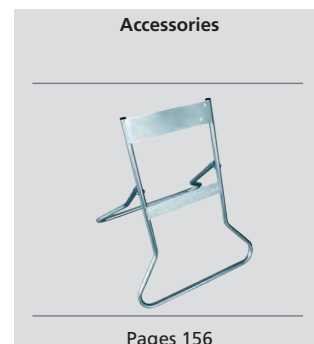
Technical Information



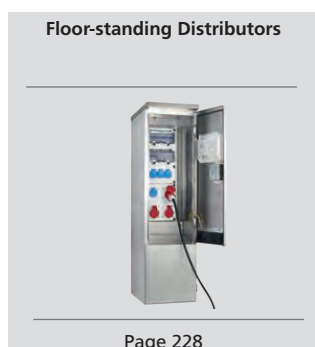
Plastic Enclosures



Solid-Rubber Enclosure



Floor-Standing Distributors and Rain Shields for VARIABOX and MODBOX Systems





Technical data VARIABOX

Sizes

Version	Dimensions (H x W x D)
VARIABOX-S	130 x 230 x 145 mm
VARIABOX-M	260 x 230 x 145 mm
VARIABOX-L	390 x 230 x 145 mm
VARIABOX-XL	520 x 230 x 145 mm
VARIABOX-XXL	650 x 230 x 145 mm
VARIABOX-L DUO	390 x 460 x 145 mm
VARIABOX-XL DUO	520 x 460 x 145 mm
	Further modular extension possible

Colours

Top grey (standard) RAL 7035
 Top - yellow, available as of 5 units
 Top - blue, available as of 5 units
 Top - red, available as of 5 units
 Top - silver, available as of 5 units
 Bottom black RAL 9005

Design

Top cover straight,
 CEE sockets angled

Material

PBT polyester

Material properties

Self-extinguishing, heat-resistant, extremely cold-resistant, resistant to ageing, saltwater-resistant, good electric insulation properties, fracture-proof, wear-, resistant, abrasion-resistant, dimensionally stable

Durable

High chemical resistance,
 UV-stabilised, suitable for
 use in hostile environments

Impact strength

IK09

Thermal resistance

DIN EN 61439/ VDE 0660-600

Resistant to ageing

Long-term testing at +80 degrees

Glow wire test

In accordance with DIN EN60695

Protection

Top can be lead-sealed to bottom,
 OTC window can be lead-sealed

Wall mounting

Either internal or
 external fastening

Top cover attachment

Hinged on right,
 Can be hinged on left on request

Top cover screws

Captive, with internal and external
 hexagon, including slot,
 torque 2 Nm

Cable entry

Face plates pre-punched at top
 and bottom
 each with M12, M20, M25/M32/M40

Attachments

User-friendly OTC mechanism
 (One Touch Close),
 CEE sockets 16A to 63A with
 maintenance-free QUICK-CONNECT
 technology, data sockets,
 intercompatibility of mounted sockets,
 optionally available with handle

Protection type

IP44, IP54, IP67

Environment

PVC-free, cadmium-free, halogen-free
 and silicone-free



- Proper and clearly arranged wiring and an automated safety test guarantee maximum safety
- With their generous cable bushings, modularly connected VARIABOX systems can be internally connected to one another even when using large cable cross sections



- The new operating window with the unique OTC mechanism (One Touch Close) engages in the open state and automatically closes and locks again when touched lightly
- The enclosure sections and the OTC operating windows can all be lead-sealed
- Either internal or external fastening



- All mounted sockets with maintenance-free QUICK-CONNECT technology
- sockets with flange dimensions 50 x 50 mm, 75 x 75 mm and 85 x 85 mm not manufacturer specific



- The metric cable entries at the top and bottom are pre-punched and can be broken out as required without problem. An overview of the enclosure sizes and cable entries can be found on page 4.

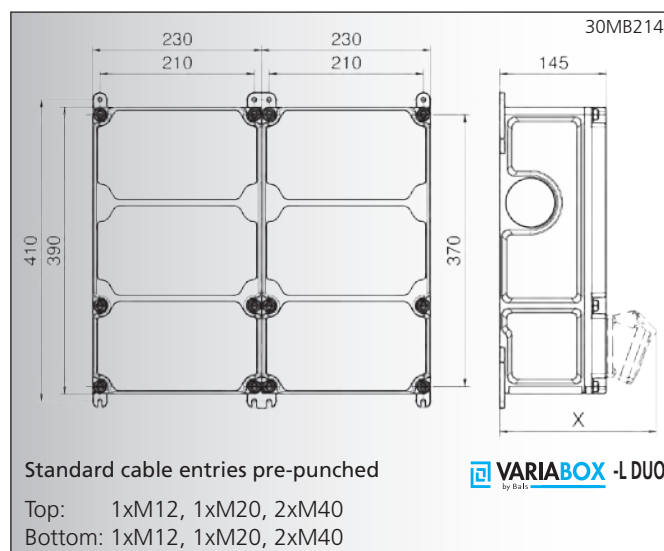
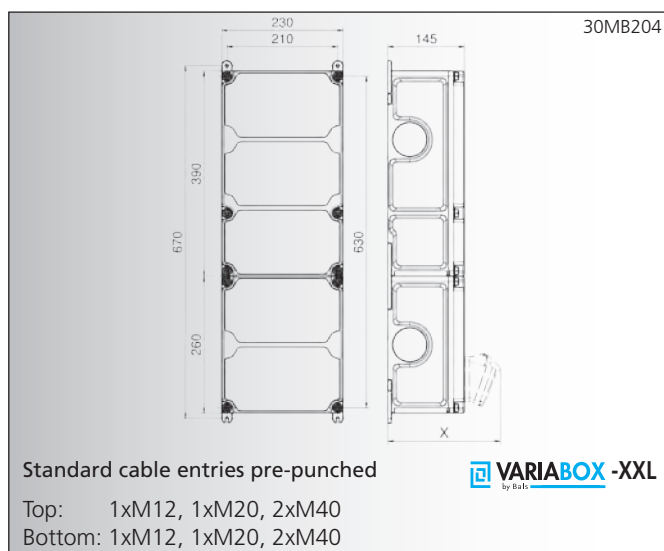
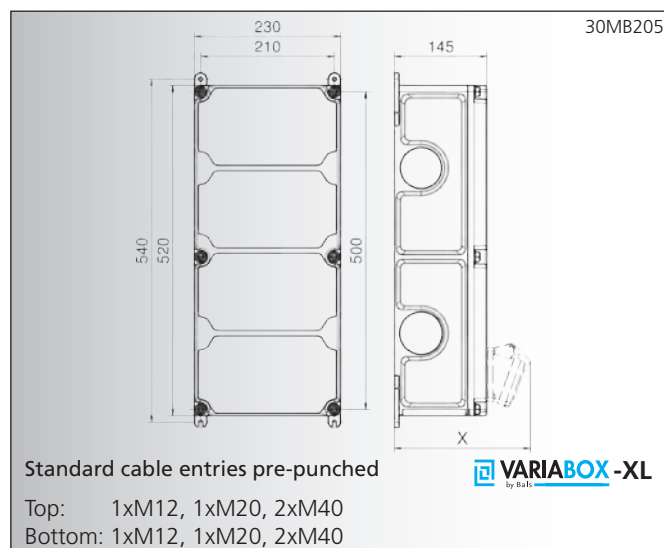
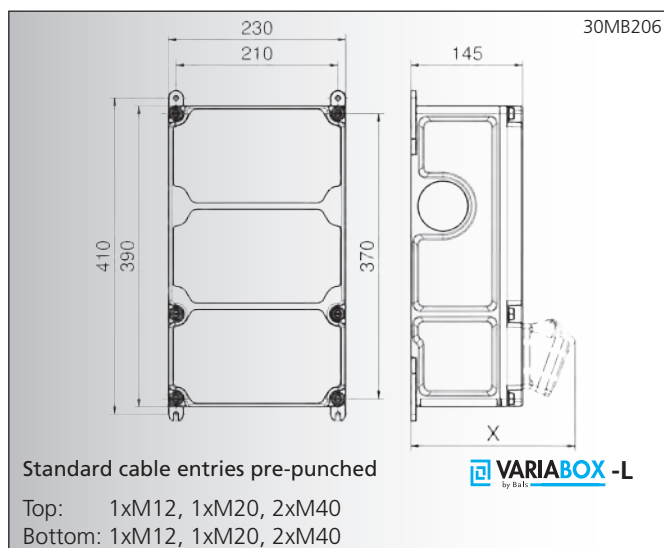
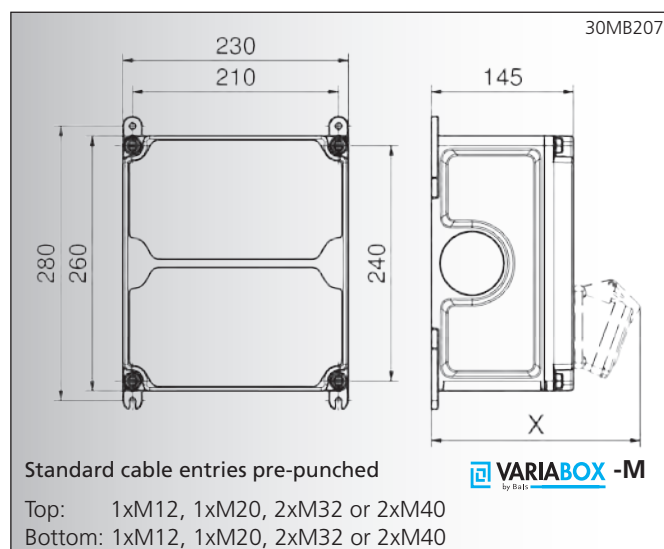
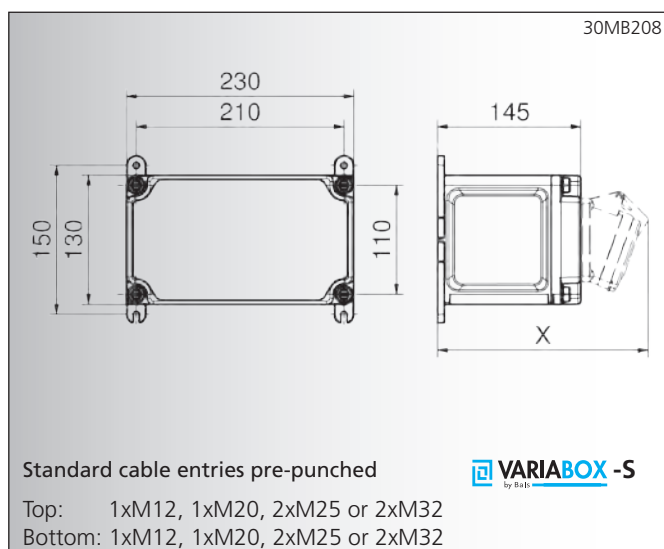
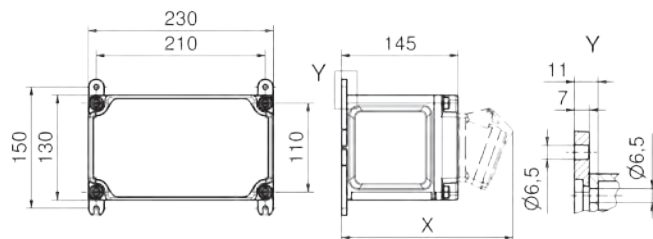


Table X-dimension

Components	Oper. window	Domestic socket		CEE 16A 3-pole		CEE 16A 4-pole		CEE 16A 5-pole		CEE 32A, 3/4-pole		CEE 32A 5-pole		CEE 63A	
Protection class		IP44	IP67	IP44	IP67	IP44	IP67	IP44	IP67	IP44	IP67	IP44	IP67	IP44	IP67
Depth X	180	162	205	200	200	204	202	207	205	211	213	213	214	229	231

Technical changes possible.

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



depth x in (mm)			30 MB 208
with	IP44	with	IP44
OTC operating window	180	CEE 16A 5p	207
domestic socket	162	CEE 32A 3p/4p	211
CEE 16A 3p	200	CEE 32A 5p	213
CEE 16A 4p	204	CEE 63A 3p/4p/5p	229

- Dimension of enclosure: 130 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Top and bottom can be sealed together
- With external and internal fastening
- Permanently attached cover screws
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX -S

Order no. **89003**

Components:

3 domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M25

Connection option:
for 1 cable up to 5 x 6 mm²



VARIABOX -S

Order no. **89006**

Components:

4 domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M25

Connection option:
for 1 cable up to 5 x 6 mm²



VARIABOX -S

Order no. **89002**

Components:

1 domestic socket 16A, 230V
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M25

Connection option:
for 1 cable up to 5 x 6 mm²



VARIABOX -S

Order no. **89004**

Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M25

Connection option:
for 1 cable up to 5 x 6 mm²



VARIABOX -S

Order no. **89058**

Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 32A, 400V, 5p

Cable entry at top and bottom:
each with 1x M25, 1x M32

Connection option:
for 1 cable up to 3 x 4 mm² and
1 cable up to 5 x 6 mm²



VARIABOX -S

Order no. **89000**

Components:

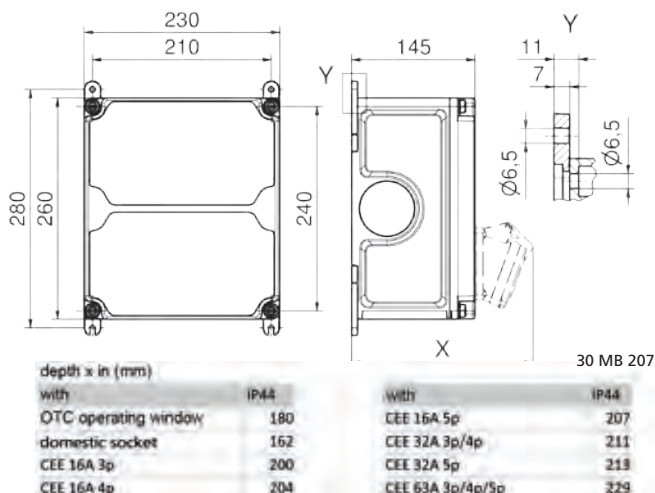
2 CEE sockets 16A, 400V, 5p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M25

Connection option:
for 1 cable up to 5 x 6 mm²



- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



- Dimension of enclosure: 260 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Hinged enclosure cover
- Top and bottom can be sealed together
- With external and internal fastening
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX -M

Order no. **89016**

Components:

3 domestic sockets 16A, 230V ~
(system F - German earthing System)

Fuse:

3 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:

each with 1x M12, 1x M20, 2x M32

Connection option:

for 2 cables up to 5 x 25 mm²



VARIABOX -M

Order no. **890400**

Components:

3 domestic sockets 16A, 230V ~
(system F - German earthing System)

1 double data socket RJ45 CAT 6 IP55

Fuse:

3 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:

each with 2x M20, 2x M32

Connection option:

for 2 cables up to 5 x 25 mm²



VARIABOX -M

Order no. **89040**

Components:

4 domestic sockets 16A, 230V ~
(system F - German earthing System)

Fuse:

4 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:

each with 1x M12, 1x M20, 2x M32

Connection option:

for 2 cables up to 5 x 25 mm²



VARIABOX -M

Order no. **89037**

Components:

8 domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry at top and bottom:

each with 1x M12, 1x M20, 2x M25

Connection option:

for 1 cable 5 x 6 mm²



VARIABOX -M

Order no. **89044**

Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Fuse:

2 Neozed D01, 1p
1 Neozed D01, 3p

Cable entry at top and bottom:

each with 1x M12, 1x M20, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



VARIABOX -M

Order no. **89010**

Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Fuse:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:

each with 1x M12, 1x M20, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing

VARIABOX -M

Order no. 89015
Components:

2 domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 32A, 400V, 5p

Fuse:

2 Neozed D01, 1p
 1 Neozed D02, 3p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -M

Order no. 89013
Components:

2 domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 32A, 400V, 5p

Fuse:

2 C-type MCBs 16A, 1p
 1 C-type MCB 32A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -M

Order no. 89017
Components:

2 CEE sockets 16A, 400V, 5p

Fuse:

2 C-type MCBs 16A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -M

Order no. 89028
Components:

2 domestic sockets 16A, 230V ~
 (system F - German earthing System)
 2 CEE sockets 16A, 400V, 5p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M25

Connection option:
 for 1 cable 3 x 4 mm² and
 1 cable 5 x 4 mm²

VARIABOX -M

Order no. 89038
Components:

5 domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M25

Connection option:
 for 1 cable up to 5 x 6 mm²

VARIABOX -M

Order no. 89022
Components:

1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Fuse:

1 Neozed D01, 3p
 1 Neozed D02, 3p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -M

Order no. 89048
Components:

1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Fuse:

1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -M

Order no. 890011
Components:

2 CEE sockets 32A, 400V, 5p

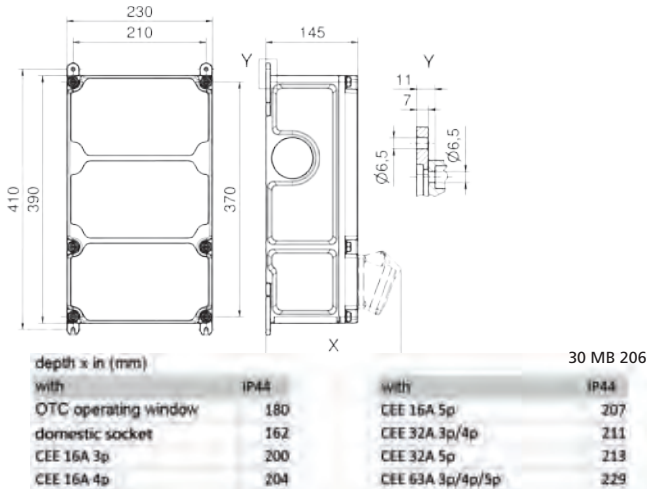
Fuse:

2 C-type MCBs 32A, 3p
 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



- Dimension of enclosure: 390 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Hinged enclosure cover
- Top and bottom can be sealed together
- With external and internal fastening
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX -L



Order no. **89084**
Components:
 6 domestic sockets 16A, 230V ~
 (system F - German earthing System)

Fuse:
 6 C-type MCBs 16A, 1p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -L



Order no. **89085**
Components:
 2 domestic sockets 16A, 230V ~
 (system F - German earthing System)
 2 CEE sockets 16A, 400V, 5p

Fuse:
 2 Neozed D01, 1p
 2 Neozed D01, 3p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -L



Order no. **89075**
Components:
 2 domestic sockets 16A, 230V ~
 (system F - German earthing System)
 2 CEE sockets 16A, 400V, 5p

Fuse:
 2 C-type MCBs 16A, 1p
 2 C-type MCBs 16A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -L



Order no. **89086**
Components:
 2 domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Fuse:
 2 Neozed D01, 1p
 1 Neozed D01, 3p
 1 Neozed D02, 3p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -L



Order no. **89076**
Components:
 2 domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Fuse:
 2 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

VARIABOX -L



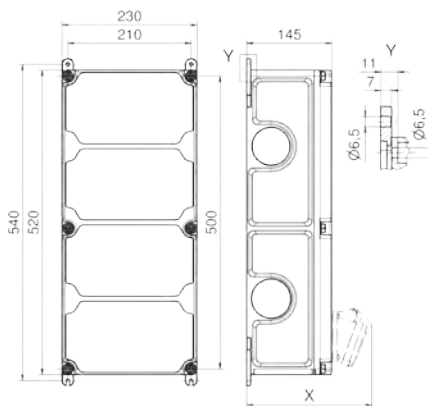
Order no. **89070**
Components:
 3 domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Fuse:
 3 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p

Cable entry at top and bottom:
 each with 1x M12, 1x M20, 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



depth d in (mm)	1P+4P
OTC operating window	180
domestic socket	162
CEE 16A 3p	200
CEE 16A 4p	204
CEE 16A 5p	207
CEE 32A 3p/4p	221
CEE 32A 5p	228
CEE 63A 3p/4p/5p	228

- Dimension of enclosure: 520 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Hinged enclosure cover
- Top and bottom can be sealed together
- With external and internal fastening
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX -XL



Order no. **89146**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 32A, 400V, 5p

Fuse:

- 2 Neozed D01, 1p
- 2 Neozed D02, 3p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL



Order no. **89107**

Components:

- 3 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 32A, 400V, 5p

Fuse:

- 3 C-type MCBs 16A, 1p
- 2 C-type MCBs 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL



Order no. **89094**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 2 Neozed D01, 1p
- 1 Neozed D01, 3p
- 1 Neozed D02, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL



Order no. **89099**

Components:

- 3 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 3 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL



Order no. **89101**

Components:

- 4 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 4 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL



Order no. **89095**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

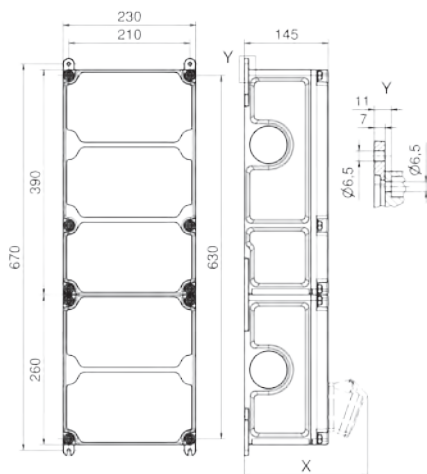
Fuse:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



depth a in (mm)	IP44
OTC operating window	180
domestic socket	162
CEE 16A 3p	200
CEE 16A 4p	204
CEE 16A 5p	207
CEE 32A 3p/4p	211
CEE 32A 5p	218
CEE 63A 3p/4p/5p	229

30 MB 204

- Dimension of enclosure: 650 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Hinged enclosure cover
- Top and bottom can be sealed together
- With external and internal fastening
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX-XXL



Order no. **89127**

Components:

- 4 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 3 CEE sockets 16A, 400V, 5p

Fuse:

- 4 C-type MCBs 16A, 1p
- 3 C-type MCBs 16A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX-XXL



Order no. **89122**

Components:

- 6 CEE sockets 16A, 230V, 3p

Fuse:

- 6 C-type MCBs 16A, 1p
- 6 RCCB 25/0.03A, 2p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX-XXL



Order no. **89120**

Components:

- 6 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 6 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX-XXL



Order no. **89119**

Components:

- 4 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 4 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX-XXL



Order no. **89142**

Components:

- 3 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p
- 2 CEE sockets 32A, 400V, 5p

Fuse:

- 3 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 2 C-type MCBs 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX-XXL



Order no. **89123**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

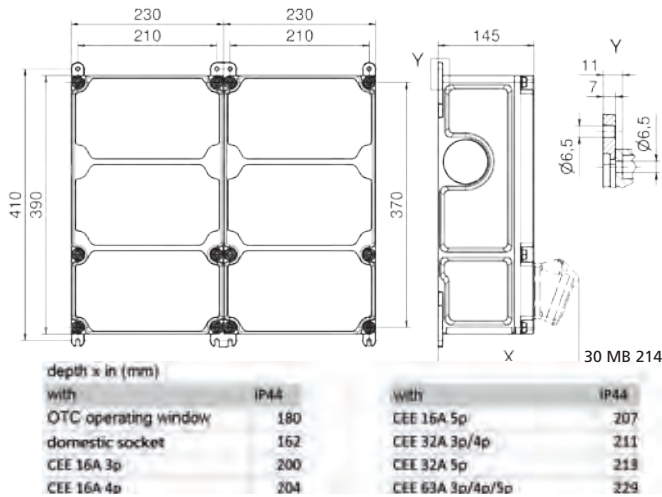
Fuse:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 Neozed D02, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



- Dimension of enclosure: 390 x 460 mm
- Housing made of high-grade, impact-resistant plastic
- Hinged enclosure cover
- Top and bottom can be sealed together
- With external and internal fastening
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX -L DUO



Order no. **89128**

Components:

- 4 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 3 CEE sockets 16A, 400V, 5p

Fuse:

- 4 Neozed D01, 1p
- 3 Neozed D01, 3p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L DUO



Order no. **89129**

Components:

- 4 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 230V, 3p
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 5 Neozed D01, 1p
- 1 Neozed D01, 3p
- 1 Neozed D02, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L DUO



Order no. **89134**

Components:

- 4 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 4 Neozed D01, 1p
- 2 Neozed D01, 3p
- 1 Neozed D02, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L DUO



Order no. **890083**

Components:

- 4 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p
- 1 double data socket RJ45 CAT6 IP55

Fuse:

- 4 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 C-type MCB 63A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 2x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L DUO



Order no. **89148**

Components:

- 6 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

Fuse:

- 3 Neozed D01, 1p
- 1 Neozed D01, 3p
- 1 Neozed D02, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L DUO



Order no. **89987**

Components:

- 10 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

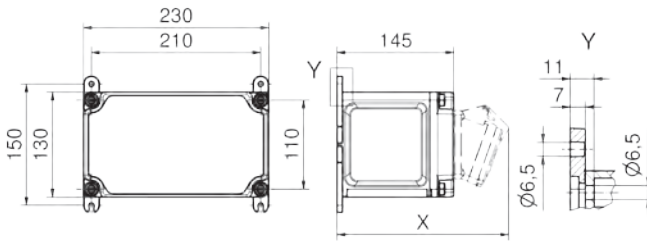
Fuse:

- 10 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



depth x in (mm)			30 MB 208
with	IP67	with	IP67
OTC operating window	180	CEE 16A 5p	205
domestic socket	205	CEE 32A 3p/4p	213
CEE 16A 3p	200	CEE 32A 5p	214
CEE 16A 4p	202	CEE 63A 3p/4p/5p	231

- Dimension of enclosure: 130 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Top and bottom can be sealed together
- With external and internal fastening
- Permanently attached cover screws
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX -S IP67

Order no. **890919**

Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M25

Connection option:
for 1 cable up to 3 x 4 mm²



VARIABOX -S IP67

Order no. **890920**

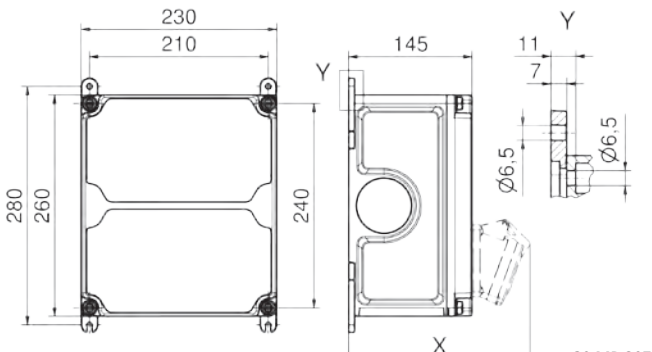
Components:

1 domestic socket 16A, 230V
(system F - German earthing System)

1 CEE socket 16A, 400V, 5p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M25

Connection option:
for 1 cable up to 5 x 4 mm²



depth x in (mm)			30 MB 207
with	IP67	with	IP67
OTC operating window	180	CEE 16A 5p	205
domestic socket	205	CEE 32A 3p/4p	213
CEE 16A 3p	200	CEE 32A 5p	214
CEE 16A 4p	202	CEE 63A 3p/4p/5p	231

- Dimension of enclosure: 260 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Hinged enclosure cover
- Top and bottom can be sealed together
- With external and internal fastening
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX -M IP67

Order no. **890921**

Components:

1 domestic socket 16A, 230V
(system F - German earthing System)

1 CEE socket 16A, 400V, 5p

Fuse:

1 C-type MCB 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²



VARIABOX -M IP67

Order no. **890922**

Components:

1 domestic socket 16A, 230V
(system F - German earthing System)

1 CEE socket 32A, 400V, 5p

Fuse:

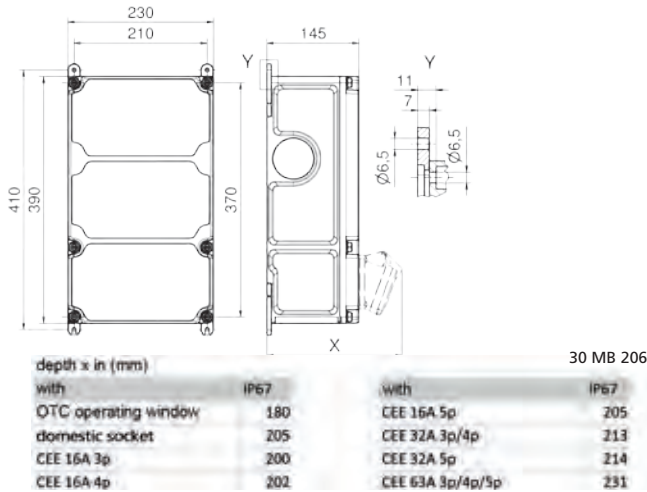
1 C-type MCB 16A, 1p
1 C-type MCB 32A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²



- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



- Dimension of enclosure: 390 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Hinged enclosure cover
- Top and bottom can be sealed together
- With external and internal fastening
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black , top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX -L IP67



Order no. **890923**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L IP67



Order no. **890924**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L IP67



Order no. **890925**

Components:

- 3 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p

Fuse:

- 3 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L IP67



Order no. **890926**

Components:

- 3 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 3 C-type MCBs 16A, 1p
- 1 C-type MCB 32A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L IP67



Order no. **890927**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p

Fuse:

- 2 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -L IP67



Order no. **890928**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 32A, 400V, 5p

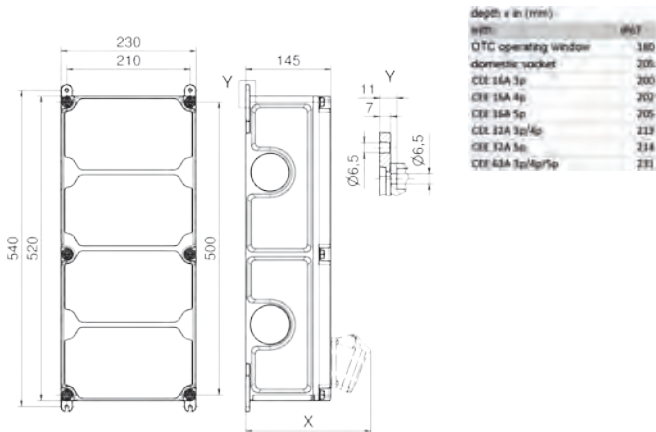
Fuse:

- 2 C-type MCBs 16A, 1p
- 2 C-type MCBs 32A, 3p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



30 MB 205

- Dimension of enclosure: 520 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Hinged enclosure cover
- Top and bottom can be sealed together
- With external and internal fastening
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)
- Accessories: see page 136

VARIABOX -XL IP67



Order no. **890929**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL IP67



Order no. **890930**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL IP67



Order no. **890931**

Components:

- 3 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 3 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL IP67



Order no. **890932**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p

Fuse:

- 2 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL IP67



Order no. **890933**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 32A, 400V, 5p

Fuse:

- 2 C-type MCBs 16A, 1p
- 2 C-type MCBs 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XL IP67



Order no. **890934**

Components:

- 3 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p

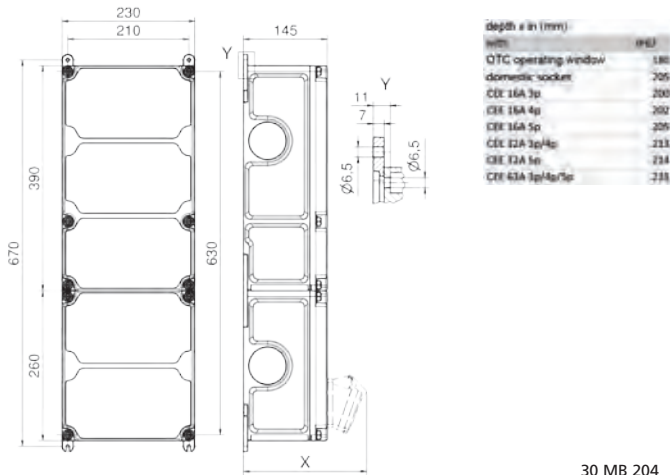
Fuse:

- 3 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



30 MB 204

- Dimension of enclosure: 650 x 230 mm
- Housing made of high-grade, impact-resistant plastic
- Hinged enclosure cover
- Top and bottom can be sealed together
- With external and internal fastening
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)

VARIABOX -XXL IP67



Order no. **890935**

Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)

1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Fuse:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XXL IP67



Order no. **890936**

Components:

3 domestic sockets 16A, 230V ~
(system F - German earthing System)

2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Fuse:

3 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XXL IP67



Order no. **890937**

Components:

3 domestic sockets 16A, 230V ~
(system F - German earthing System)

1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Fuse:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XXL IP67



Order no. **890938**

Components:

3 domestic sockets 16A, 230V ~
(system F - German earthing System)

1 CEE socket 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Fuse:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XXL IP67



Order no. **890939**

Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)

2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Fuse:

1 C-type MCB 16A, 1p
2 C-type MCBs 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

VARIABOX -XXL IP67



Order no. **890940**

Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)

1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

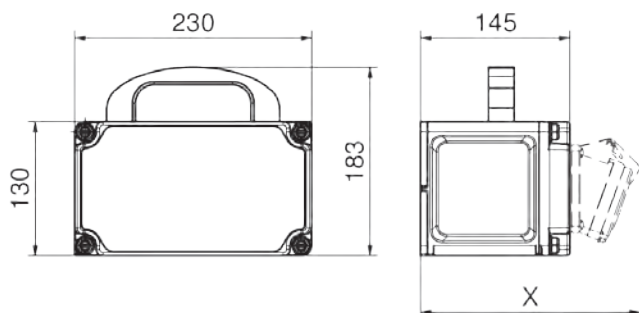
Fuse:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 C-type MCB 63A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 1x M12, 1x M20, 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²

- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



depth x in (mm)			30 MB 208
with	IP44	with	IP44
OTC operating window	180	CEE 16A 5p	207
domestic socket	162	CEE 32A 3p/4p	211
CEE 16A 3p	200	CEE 32A 5p	213
CEE 16A 4p	204	CEE 63A 3p/4p/5p	229

- Dimension of enclosure: 130 x 230 mm
- With high quality handle
- Housing made of high-grade, impact-resistant plastic
- Top and bottom can be sealed together
- Permanently attached cover screws
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)

VARIABOX -S Mobil

Order no. **85000**

Components:

3 domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry:

Domestic plug 16A, 230V
with 2 m lead H07RN-F3G2,5



VARIABOX -S Mobil

Order no. **85006**

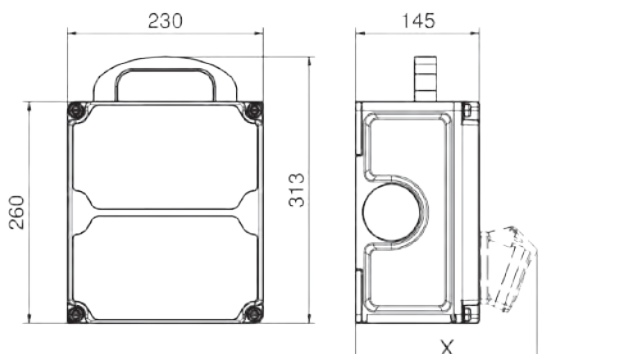
Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)

1 CEE socket 16A, 400V, 5p

Cable entry:

CEE plug 16A, 400V, 5p with
2 m cable H07RN-F5G2,5



depth x in (mm)			30 MB 212
with	IP44	with	IP44
OTC operating window	180	CEE 16A 5p	207
domestic socket	162	CEE 32A 3p/4p	211
CEE 16A 3p	200	CEE 32A 5p	213
CEE 16A 4p	204	CEE 63A 3p/4p/5p	229

- Dimension of enclosure: 260 x 230 mm
- With high quality handle
- Housing made of high-grade, impact-resistant plastic
- Top and bottom can be sealed together
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)

VARIABOX -M Mobil

Order no. **85007**

Components:

2 domestic sockets 16A, 230V ~
(system F - German earthing System)

1 CEE socket 16A, 400V, 5p

Fuse:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry:

CEE plug 32A, 400V, 5p with
2 m cable H07RN-F5G4



VARIABOX -M Mobil

Order no. **85002**

Components:

3 domestic sockets 16A, 230V ~
(system F - German earthing System)

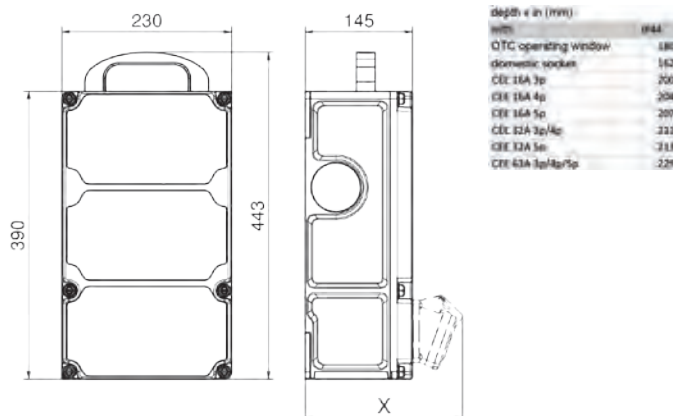
2 CEE sockets 16A, 400V, 5p

Cable entry:

CEE plug 16A, 400V, 5p with
2 m cable H07RN-F5G2,5



- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



30 MB 211

- Dimension of enclosure: 390 x 230 mm
- With high quality handle
- Housing made of high-grade, impact-resistant plastic
- Top and bottom can be sealed together
- User-friendly OTC operating window
- Permanently attached cover screws
- Coded flange plate system for maximum safety during initial installation and maintenance
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Colours: bottom - black, top - electro-grey (enclosure top optionally available in the colours yellow, red, blue or silver)

VARIABOX -L Mobil



Order no. **85008**

Components:

- 2 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry:

CEE plug 32A, 400V, 5p with 2 m cable H07RN-F5G6

VARIABOX -L Mobil



Order no. **85036**

Components:

- 6 domestic sockets 16A, 230V ~ (system F - German earthing System)

Fuse:

- 6 C-type MCBs 16A, 1p
- 1 RCCB 40/0.03A, 4p

Cable entry:

CEE plug 32A, 400V, 5p with 2 m cable H07RN-F5G4

VARIABOX -L Mobil



Order no. **85009**

Components:

- 3 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 3 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry:

CEE plug 32A, 400V, 5p with 2 m cable H07RN-F5G6

VARIABOX -L Mobil



Order no. **85016**

Components:

- 3 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p

Fuse:

- 3 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry:

CEE plug 32A, 400V, 5p with 2 m cable H07RN-F5G4

VARIABOX -L Mobile



Order no. **85034**

Components:

- 4 domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Fuse:

- 4 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry:

CEE plug 32A, 400V, 5p with 2 m cable H07RN-F5G6

VARIABOX -L Mobile



Order no. **85005**

Components:

- 6 domestic sockets 16A, 230V ~ (system F - German earthing System)

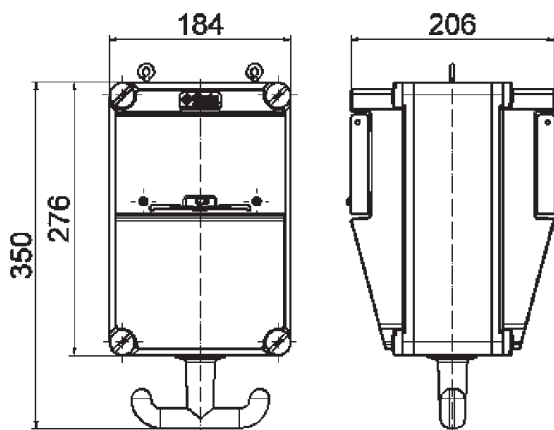
Fuse:

- 1 RCCB 40/0.03A, 4p

Cable entry:

CEE plug 16A, 400V, 5p with 2 m cable H07RN-F5G2,5

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



30MB186

- Dimension of enclosure: 2 x 276 x 184 mm
- Enclosure made of high-grade, impact-resistant plastic
- Hinged window can be locked and lead-sealed
- 9 modules can be installed on each enclosure side
- Hinged lid
- Grip hooks in signal yellow



Order no. **572567**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry:

1x M40

Connection option:

for 1 cable up to 5 x 10 mm²



Order no. **574339**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 40/0.03A, 4p

Cable entry:

1x M40

Connection option:

for 1 cable up to 5 x 10 mm²



Order no. **573671**

Components:

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

6 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry:

1x M32

Connection option:

for 1 cable up to 5 x 16 mm²



Order no. **572551**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

4 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry:

1x M32

Connection option:

for 1 cable up to 5 x 25 mm²



Order no. **572185**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry:

1x M32

Connection option:

for 1 cable up to 5 x 10 mm²



Order no. **574420**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 compressed air connection:
(inlet: 1/2" pipe with external thread;
outlet: 1/2" quick-release connector)

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p

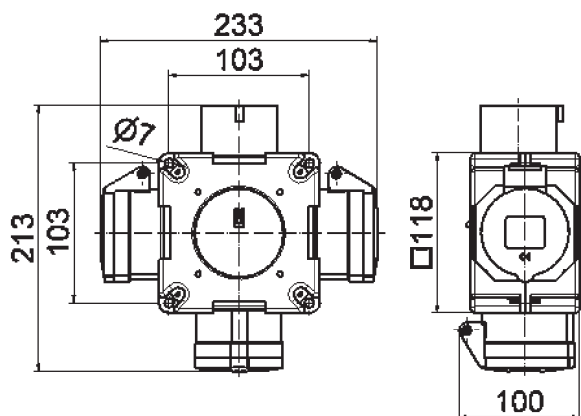
Cable entry:

1x M32

Connection option:

for 1 cable up to 5 x 10 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



30MB061

- Dimension of enclosure: 118 x 118 mm
- Ready wired for installation
- Enclosure made of high-grade, impact-resistant plastic
- Small, compact design
- Variable configuration
- Hanging bracket made of V2A stainless steel

Order no. **54655****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 230V, 3p

Cable entry/Input::

1 CEE inlet 16A, 230V, 3p

Order no. **54657****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input::

1 CEE plug 16A, 400V, 5p with
1.5 m cable H07RN-F5G2,5

Order no. **54880****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input::

1x M25

Connection option:

for 1 cable up to 5x 2.5 mm²

Order no. **54568****Components:**

3 CEE sockets 16A, 230V, 3p

Cable entry/Input::

1 CEE plug 16A, 230V, 3p with
1.5 m cable H07RN-F3G2,5

Order no. **54566****Components:**

3 CEE sockets 16A, 230V, 3p

Cable entry/Input::

1 CEE inlet 16A, 230V, 3p

Order no. **54569****Components:**

3 CEE sockets 16A, 400V, 5p

Cable entry/Input::

1 CEE plug 16A, 400V, 5p with
1.5 m cable H07RN-F5G2,5

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing

Order no. **546**

Components:
3 CEE sockets 16A, 400V, 5p

Cable entry/Input::
1 CEE inlet 16A, 400V, 5p

Order no. **54567**

Components:
3 CEE sockets 32A, 400V, 5p

Cable entry/Input::
1 CEE inlet 32A, 400V, 5p

Order no. **54740**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input::
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Order no. **54929**

Components:
4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry/Input::
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Order no. **540055**

Components:
1 Domestic socket 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Cable entry/Input::
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Order no. **54741**

Components:
3 CEE sockets 16A, 230V, 3p

Cable entry/Input::
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Order no. **54580**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input::
1 CEE inlet 16A, 400V, 5p

Order no. **54801**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry/Input::
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Cable Gland

- Black
- Protection degree IP67



	Thread	Sealing range	Order no.
	M12	3-6 mm	580647
	M20	8-13 mm	580648
	M25	11-17 mm	580649
	M32	15-21 mm	580650
	M40	19-28 mm	580651
Multiple sealing insert	for M25	2x8 mm	580652
	for M32	4x8 mm	580653

Cable Gland with Pressure Equalisation

The use of pressure equalisation cable glands allows the internal pressure to adjust to the ambient pressure. The type-tested protection degree of the enclosure is fully retained. Temperature fluctuations, intense sunlight, or a sudden change in weather can cause condensation to form in combination enclosures. Basically, condensation can form in all sealed combination enclosures. The higher the protection degree is, the more likely the formation of condensation will be. We therefore recommend, especially in the case of distributors with protection degree IP67, the use of pressure equalisation cable glands.



- Minimised condensation formation and therefore reduction in downtimes and time-consuming and expensive repair work
- No expensive and high-maintenance ventilation technology required
- No drip holes which reduce the level of protection
- With air ducts for pressure equalisation
- black
- Protection degree IP67

	Thread	Sealing range	Order no.
	M20	6-13 mm	580656
	M25	9-17 mm	580657
	M32	13-21 mm	580658
	M40	16-28 mm	580659

Mounting Set



- For VARIABOX S - XL
- Consisting of:
4 screws 6 x 60 mm
4 screw anchors 8 x 51 mm

Order no. **580640**

- For VARIABOX XXL
- Consisting of:
6 screws 6 x 60 mm
6 screw anchors 8 x 51 mm

Order no. **580727**

Lock Set



- For OTC window
- With long shackle and 2 keys

Order no. **580642**

Portable Stand



- For VARIABOX M, L, XL
- Hot-dip galvanised steel tubing
- Folding
- Weight 4 kg
- Dimensions: 350/570 x 780 x 540 mm (W x H x D)

Order no. **580643**

Surface Mounting Socket Outlets Unit



- For VARIABOX M and L
- Colour yellow, RAL 1023

Order no. **580641**



We live in a fast-moving age. It is also frequently necessary to make modifications to power distribution systems. Power distributors used in industrial buildings, production facilities, laboratories, harbour docks, markets, tunnel, road construction sites and many other locations therefore frequently need to be adapted and are subject to very rough treatment.

The MODBOX® is the ideal solution. The new patented MODBOX® rubber distributor series from Bals Elektrotechnik GmbH combines all the demands placed on current distributors up to a maximum protection degree of IP67. As far as impact resistance is concerned, the MODBOX® leaves no wish unfulfilled.

The material properties of the MODBOX® are unique: its robustness and resistance to ageing, temperature, oil and acid are unbeatable. The MODBOX® is, of course, also fully insulated, UV-resistant and halogen-free as well as flame-resistant and self-extinguishing.

The truly innovative enclosure design allows existing installations to be adapted quickly. Order separation attachments are provided in the enclosure. This makes it easier to install strong-current and weak-current systems.

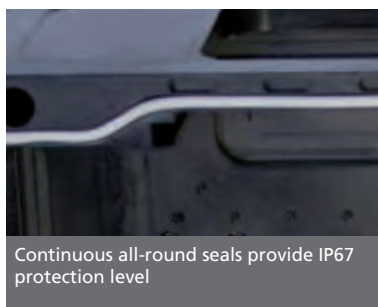
An outstanding feature is that MODBOX® units can be easily connected next to each as modules without any modifications needing to be made to the basic installation. The MODBOX® is freely configurable. Four openings in the side of the MODBOX® allow modules to be added in any direction. Another new feature are the yellow connecting and end corners. To further improve safety, the luminous end corners (luminescence time up to 7 hours) are recommended.



Configure your own MODBOX® at www.bals.com



User-friendly OTC operating window on MODBOX®-Midi.



Continuous all-round seals provide IP67 protection level



Solid guide rails ensure an extremely high level of dimensional stability, especially at connection between upper and lower part of enclosure

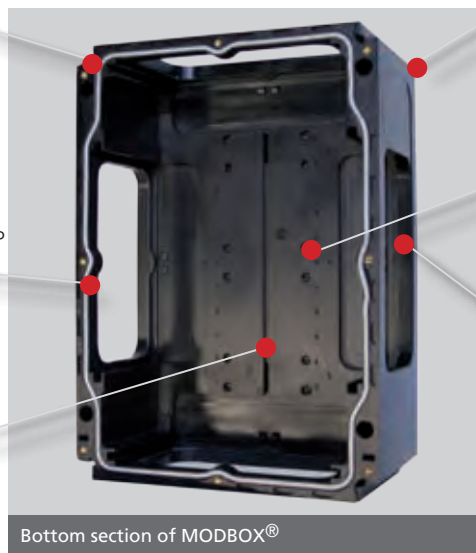
Corners (luminous on request) Standard end corners in yellow, interchangeable (2 or 4). They allow MODBOX® units to be connected together without problem.

Slot and recess

Slot with ring set sealed to achieve the high IP protection level. Wedge-shape rubber teeth for increased stability.

Recess in base

Recess provided for order separation if required (strong current and weak current).



Bottom section of MODBOX®

Drill holes

4 drill holes ensure a perfect permanent installation.

Cutouts

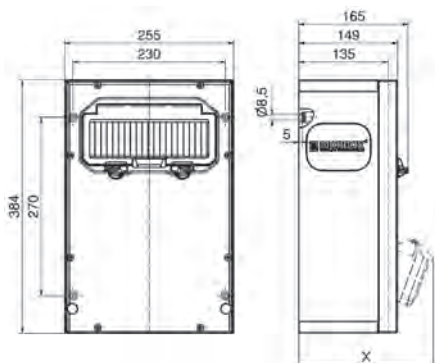
4 cutouts for attaching the wall mounting anchors.

Feedthrough openings

4 openings in the MODBOX® wall facilitate modular expansion of the installation in every direction.

The slide-in connector was developed to ensure perfect connection. The frame, inserted if additional modules are added, ensures additional stability. In the standard configuration, the feedthrough openings are sealed off using blanking panels.

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



depth x in (mm)				30 MB 218	
with	IP44	IP67	with	IP44	IP67
OTC operating window	165	165	CEE 16A 5p	197	195
domestic socket	152	195	CEE 32A 3p/4p	201	203
CEE 16A 3p	190	190	CEE 32A 5p	203	204
CEE 16A 4p	194	192	CEE 63A 3p/4p/5p	219	221

- Dimension of enclosure: 384 x 255 mm
- Enclosure made of high-quality, impact-resistant solid rubber
- User-friendly OTC operating window
- Modular extension
- Hardness grade of 99 shore
- Resistant to ageing, temperature, oil and acid
- Excellent resistance to chemicals
- Flame-resistant, self-extinguishing
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Black top and bottom section with yellow end corners
- Available in various RAL colours
- Accessories: see page 156

MODBOX -Midi

 Order no. **5401882**
Components:

 3 Domestic sockets 16A, 230V ~
 (system F - German earthing System)

Protection:

 3 C-type MCBs 16A, 1p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

MODBOX -Midi

 Order no. **5401884**
Components:

 6 Domestic sockets 16A, 230V ~
 (system F - German earthing System)

Protection:

 6 C-type MCBs 16A, 1p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

MODBOX -Midi

 Order no. **5401886**
Components:

 2 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p

Protection:

 2 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

MODBOX -Midi

 Order no. **5401892**
Components:

 2 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Protection:

 2 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

MODBOX -Midi

 Order no. **5401894**
Components:

 3 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 2 CEE sockets 16A, 400V, 5p

Protection:

 3 C-type MCBs 16A, 1p
 2 C-type MCBs 16A, 3p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

MODBOX -Midi

 Order no. **5401905**
Components:

 3 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

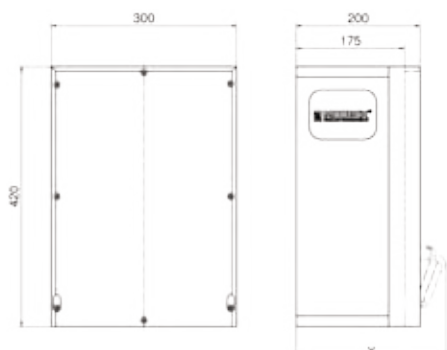
Protection:

 3 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²


- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



depth x in (mm)				13MB109	
with	IP44	IP67	with	IP44	IP67
domestic socket	192	235	CEE 32A 3p/4p	241	243
CEE 16A 3p	230	230	CEE 32A 5p	243	244
CEE 16A 4p	234	232	CEE 63A 3p/4p/5p	259	261
CEE 16A 5p	237	235			

- Dimension of enclosure: 420 x 300 mm
- Ready wired for installation
- Enclosure made of high-quality, impact-resistant solid rubber
- Modular extension
- Hardness grade of 99 shore
- Resistant to ageing, temperature, oil and acid
- Excellent resistance to chemicals
- Flame-resistant, self-extinguishing
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology
- Black top and bottom section with yellow end corners
- Available in various RAL colours
- Accessories: see page 156



Order no. **5401455**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²



Order no. **5401567**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²



Order no. **5401343**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 2x M40

Connection option:
for 2 cables up to 5 x 16 mm²



Order no. **5401668**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

3 Neozed D01, 1p
1 Neozed D01, 3p
1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
each with 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²



Order no. **5401662**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

3 Neozed D01, 1p
1 Neozed D01, 3p
1 Neozed D02, 3p

Cable entry at top and bottom:
each with 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²



Order no. **5402044**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
each with 2x M40

Connection option:
for 2 cables up to 5 x 25 mm²



- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



Order no. **5401302**

Components:

2 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402046**

Components:

3 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 230V, 3p
 1 CEE socket 16A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 1p
 1 C-type MCB 16A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5401453**

Components:

4 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5401801**

Components:

4 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402047**

Components:

4 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p

Cable entry at top and bottom:
 each with 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5401274**

Components:

2 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402059**

Components:

2 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p
 1 double data socket RJ45 CAT6 IP55

Protection:

2 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 40/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M20, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402060**

Components:

3 Domestic sockets 16A, 230V ~
 (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p
 1 double data socket RJ45 CAT6 IP55

Protection:

3 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M20, 2x M40

Connection option:

for 2 cables up to 5 x 16 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



Order no. **5402159**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

4 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry at bottom:

1x M12, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402160**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at bottom:

1x M12, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402161**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at bottom:

1x M12, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402162**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at bottom:

1x M12, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402163**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:

1x M12, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402164**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:

1x M12, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402165**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:

1x M12, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **5402166**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 RCCB 40/0.03A, 4p

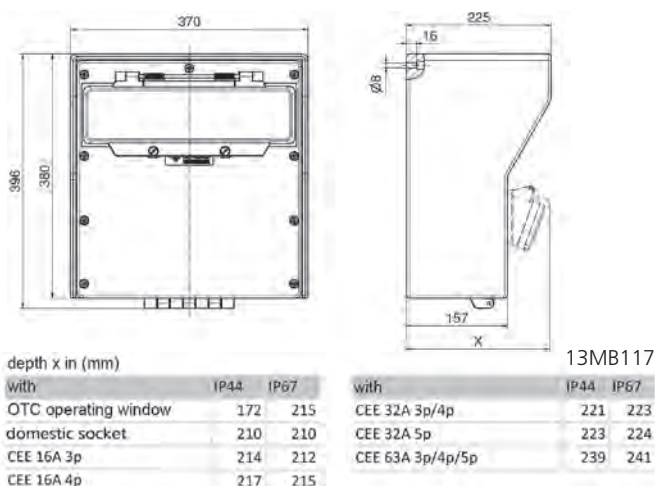
Cable entry at bottom:

1x M12, 2x M40

Connection option:

for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



- Dimension of enclosure: 380 x 370 mm
- Enclosure made of high-quality, impact-resistant solid rubber
- Space for up to 18 modules under operating window
- Hardness grade of 97 shore
- Hinged lid
- Resistant to ageing, temperature, oil and acid
- Flame-resistant, self-extinguishing
- All CEE sockets with screwless, maintenance-free QUICK-CONNECT technology

Order no. **5402049**

Components:
 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
 2 CEE sockets 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Protection:
 4 C-type MCBs 16A, 1p
 2 C-type MCBs 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

Order no. **5402050**

Components:
 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
 2 CEE sockets 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p

Protection:
 4 C-type MCBs 16A, 1p
 2 C-type MCBs 16A, 3p
 1 C-type MCB 32A, 3p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

Order no. **5402051**

Components:
 2 Domestic sockets 16A, 230V ~ (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p
 1 CEE socket 63A, 400V, 5p

Protection:
 2 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 Neozed D02, 3p
 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

Order no. **5402052**

Components:
 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p
 1 CEE socket 63A, 400V, 5p

Protection:
 4 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p
 1 RCCB 63/0.03A, 4p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

Order no. **5402053**

Components:
 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p
 1 CEE socket 63A, 400V, 5p

Protection:
 4 C-type MCBs 16A, 1p
 1 C-type MCB 16A, 3p
 1 C-type MCB 32A, 3p

Cable entry at top and bottom:
 each with 2x M40

Connection option:
 for 2 cables up to 5 x 25 mm²

Order no. **5402054**

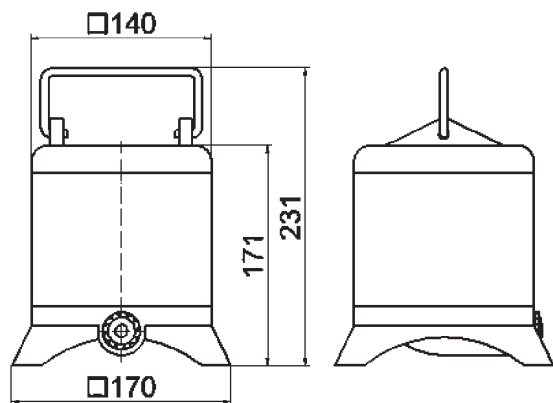
Components:
 2 Domestic sockets 16A, 230V ~ (system F - German earthing System)
 1 CEE socket 16A, 400V, 5p
 1 CEE socket 32A, 400V, 5p
 1 CEE socket 63A, 400V, 5p

Protection:
 2 Neozed D01, 1p
 1 Neozed D01, 3p
 2 Neozed D02, 3p

Cable entry at top and bottom:
 each with 2x M50

Connection option:
 for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



13MB052

- Dimension of enclosure: 140 x 140 mm
- Enclosure made of high-quality, impact-resistant solid rubber
- Small, compact design
- Top and bottom in signal yellow
- Handle made of stainless steel

Order no. **57275****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

1 RCCB 25/0.03A, 2p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G1,5

Order no. **57148****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

Order no. **57623****Components:**

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry/Input::

Domestic plug 16A, 230V, 3p
4 m cable H07RN-F3G2,5

Order no. **57996****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 rotary field measuring device

Protection:

1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE phase inverter 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

Order no. **57255****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

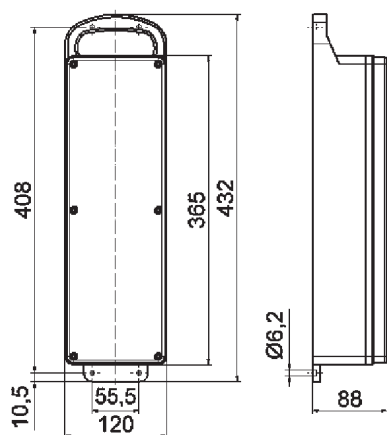
Order no. **57143****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



13MB007

- Dimension of enclosure: 365 x 120 mm
- Enclosure made of high-quality, impact-resistant solid rubber
- Ideally suited to tough, harsh and difficult conditions
- Convenient and compact design
- With moulded carrying handle

Order no. **530179****Components:**

- 1 Domestic socket 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 1 C-type MCB 16A, 1p
- 1 C-type MCB 16A, 3p

Cable entry/Input::

CEE plug 32A, 400V, 5p with lead 1.8 m H07RN-F5G4

Order no. **5310****Components:**

- 3 CEE sockets 16A, 400V, 5p

Cable entry/Input::

CEE plug 16A, 400V, 5p with lead 1.8 m H07RN-F5G2,5

Order no. **53141****Components:**

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)

Protection:

- 1 RCCB 25/0.03A, 2p

Cable entry/Input::

Domestic plug 16A, 230V, 3p with 2 m lead H07RN-F3G2,5

Order no. **53525****Components:**

- 3 CEE sockets 32A, 400V, 5p

Cable entry/Input::

CEE plug 32A, 400V, 5p with lead 2 m H07RN-F5G4

Order no. **53420****Components:**

- 2 CEE sockets 16A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 3p

Cable entry/Input::

CEE plug 32A, 400V, 5p with lead 2 m H07RN-F5G6

Order no. **53290****Components:**

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p

Cable entry/Input::

CEE plug 16A, 400V, 5p with lead 2 m H07RN-F5G2,5

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing

Order no. **530003****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

Order no. **530****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 1.8 m H07RN-F5G2,5

Order no. **5311****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input::

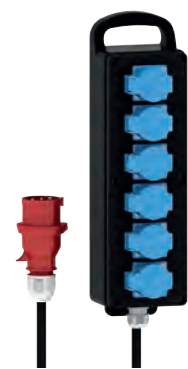
CEE plug 16A, 400V, 5p with
lead 1.8 m H07RN-F5G2,5

Order no. **5350****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry/Input::

Domestic plug 16A, 230V, 3p
with 2 m cable H07RN-F3G2,5

Order no. **53247****Components:**

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

Order no. **53213****Components:**

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

Order no. **5321****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

Order no. **530321****Components:**

3 CEE sockets 16A, 400V, 5p

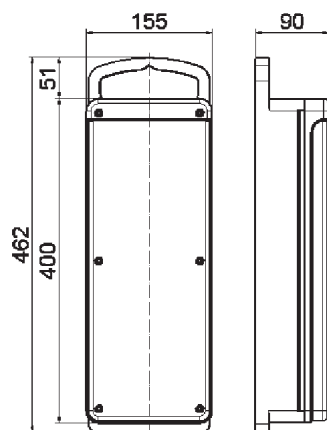
Protection:

1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



13MB054

- Dimension of enclosure: 400 x 150 mm
- Enclosure made of high-quality, impact-resistant solid rubber
- Ideally suited to tough, harsh and difficult conditions
- Convenient and compact design
- With moulded carrying handle

Order no. **53909****Components:**

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

3 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry/Input:

CEE plug 32A, 400V, 5p with
lead 2 m H07RN-F5G4

Order no. **53681****Components:**

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

1 RCCB 40/0.03A, 4p

Cable entry/Input:

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

Order no. **53679****Components:**

12 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry/Input:

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

Order no. **530090****Components:**

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry/Input:

CEE plug 32A, 400V, 5p with
lead 2 m H07RN-F5G4

Order no. **530425****Components:**

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry/Input:

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5

Order no. **530426****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

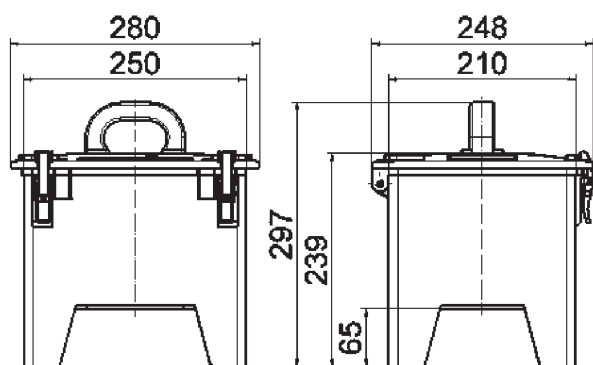
Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p

Cable entry/Input:

CEE plug 32A, 400V, 5p with
lead 2 m H07RN-F5G4

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



13MB043

- Dimension of enclosure: 250 x 210 mm
- Enclosure made of high-quality, impact-resistant solid rubber
- Ideally suited to tough, harsh and difficult conditions
- Robust solid-rubber handle with hook for cable
- Lockable stainless-steel quick-release fasteners
- Hinged lid, user-friendly access to protective equipment
- Stackable, foot attachment on enclosure cover
- High rubber feet to avoid dirt at floor level



Order no. **5226**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

2 Neozed D01, 1p
2 Neozed D01, 3p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **522590**

Components:

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 rotary field measuring device

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE phase inverter 32A, 400V, 5p



Order no. **5201558**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **5201047**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **522144**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

1 Neozed D01, 1p
1 Neozed D01, 3p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **5201015**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 32A, 400V, 5p with
lead 2 m H07RN-F5G4



- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



Order no. **5201926**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 32A, 400V, 5p with
3 m cable H07RN-F5G6



Order no. **5202236**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **5200568**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
3 CEE sockets 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **524449**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **5225**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Cable entry/Input::

CEE inlet 16A, 400V, 5p



Order no. **5201004**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **5200917**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **5202237**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 32A, 400V, 5p with
lead 3 m H07RN-F5G4



FREE-STANDING DISTRIBUTORS

Solid-Rubber Enclosures, Portable

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



Order no. **526**

Components:

5 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Cable entry/Input::

CEE inlet 16A, 400V, 5p



Order no. **5202238**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **522143**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

3 Neozed D01, 1p
1 Neozed D01, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **52638**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Protection:

1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 16A, 400V, 5p with
lead 2 m H07RN-F5G2,5



Order no. **5201555**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **52480**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Protection:

1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 16A, 400V, 5p



Order no. **522589**

Components:

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 rotary field measuring device

Protection:

3 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE phase inverter 16A, 400V, 5p



Order no. **523291**

Components:

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

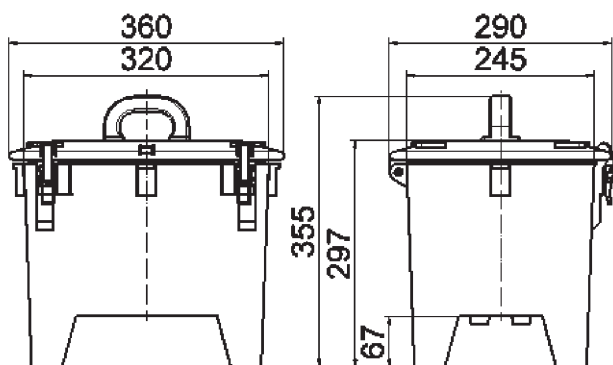
6 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 32A, 400V, 5p with
lead 3 m H07RN-F5G4



- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



13MB036

- Dimension of enclosure: 320 x 245 mm
- Enclosure made of high-quality, impact-resistant solid rubber
- Ideally suited to tough, harsh and difficult conditions
- Robust solid-rubber handle with hook for cable
- Lockable stainless-steel quick-release fasteners
- Hinged lid, user-friendly access to protective equipment
- Stackable, foot attachment on enclosure cover
- High rubber feet to avoid dirt at floor level



Order no. **5202239**

Components:

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p
- 2 CEE sockets 32A, 400V, 5p

Protection:

- 4 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 2 C-type MCBs 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry/Input::

CEE plug 63A, 400V, 5p with lead 2 m H07RN-F5G10



Order no. **5202240**

Components:

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry/Input::

CEE plug 63A, 400V, 5p with lead 3 m H07RN-F5G10



Order no. **524443**

Components:

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 3 CEE sockets 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 2 Neozed D01, 1p
- 3 Neozed D01, 3p

Cable entry/Input::

CEE plug 32A, 400V, 5p with lead 3 m H07RN-F5G4



Order no. **522167**

Components:

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 3 CEE sockets 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 2 Neozed D01, 1p
- 3 Neozed D01, 3p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **521828**

Components:

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 4 CEE sockets 32A, 400V, 5p

Protection:

- 4 Neozed D01, 1p
- 1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **5202241**

Components:

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry/Input::

CEE inlet 63A, 400V, 5p

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



Order no. **524446**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Protection:

2 Neozed D01, 1p
1 Neozed D01, 3p
1 Neozed D02, 3p
1 RCCB 63/0.03A, 4p

Cable entry/Input::

CEE plug 63A, 400V, 5p with
lead 3 m H07RN-F5G10



Order no. **5202242**

Components:

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Protection:

6 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry/Input::

CEE plug 63A, 400V, 5p with
lead 2 m H07RN-F5G16



Order no. **5202469**

Components:

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Protection:

6 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry/Input::

CEE inlet 63A, 400V, 5p



Order no. **5202243**

Components:

8 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE plug 32A, 400V, 5p with
lead 3 m H07RN-F5G4



Order no. **5202244**

Components:

8 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry/Input::

CEE inlet 32A, 400V, 5p



Order no. **5201003**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Protection:

3 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry/Input::

CEE inlet 63A, 400V, 5p



Order no. **5202245**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry/Input::

CEE plug 63A, 400V, 5p with
lead 3 m H07RN-F5G10



Order no. **5202470**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

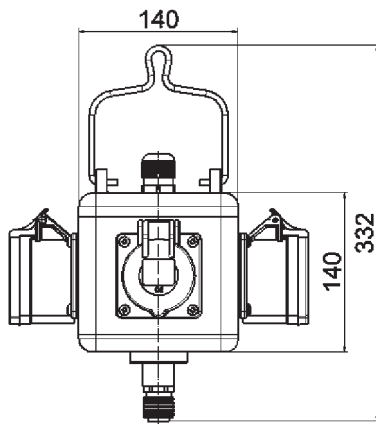
2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry/Input::

CEE inlet 63A, 400V, 5p



- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



13MB045

- Dimension of enclosure: 140 x 140 mm
- Enclosure made of high-quality, impact-resistant solid rubber
- Small, compact design
- Variable configuration
- Fuse protection and data systems safely protected behind an operating window
- Top and bottom in signal yellow
- Hanging bracket made of V2A stainless steel
- Easy connection and disconnection of loads by means of knob or grip hook
- Unproblematic connection of supply cable by means of specially developed clamping ring

Order no. **57092****Components:**

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry:

1x M25

Connection option:for 1 cable up to 5 x 10 mm²Order no. **57076****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry:

1x M25

Connection option:for 1 cable up to 5 x 10 mm²Order no. **57078****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Cable entry:

1x M25

Connection option:for 1 cable up to 5 x 10 mm²Order no. **57117****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 compressed air connection:
(Input: 1/2" pipe with external thread;
Output: 1/2" quick-release connector)

Cable entry:

1x M25

Connection option:for 1 cable up to 5 x 10 mm²Order no. **57116****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 compressed air connection:
(Input: 1/2" pipe with external thread;
Output: 1/2" quick-release connector)

Cable entry:

1x M25

Connection option:for 1 cable up to 5 x 10 mm²Order no. **57119****Components:**

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 compressed air connection:
(Input: 1/2" pipe with external thread;
Output: 1/2" quick-release connector)

Cable entry:

1x M25

Connection option:for 1 cable up to 5 x 10 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing



Order no. **571121**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 compressed air connection
(Input: 1/2" hose connector NW 13 mm
Output: 1/2" two-way quick-release connector)

Cable entry:

2x M25 (2 circuits)

Connection option:

for 2 cables up to 5 x 10 mm²



Order no. **573395**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
4 data sockets RJ45/ Cat. 6

Cable entry:

1x M25, 1x M32

Connection option:

for 1 cable up to 5 x 10 mm²



Order no. **57829**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

1 RCCB 40/0.03A, 4p

Cable entry:

1x M25

Connection option:

for 1 cable up to 5 x 10 mm²



Order no. **57250**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Cable entry:

1x M25, 1x M32 (2 circuits)

Connection option:

for 2 cables up to 5 x 10 mm²



Order no. **57986**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Cable entry:

1x M25

Connection option:

for 1 cable up to 5 x 10 mm²



Order no. **57074**

Components:

4 CEE sockets 16A, 400V, 5p

Cable entry:

1x M25

Connection option:

for 1 cable up to 5 x 10 mm²



Order no. **571276**

Components:

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

1 RCCB 40/0.03A, 4p

Cable entry:

1x M25

Connection option:

for 1 cable up to 5 x 10 mm²



Order no. **570531**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 empty space for data sockets

Cable entry:

2x M25

Connection option:

for 1 cable up to 5 x 10 mm²

- Ready wired for installation
- Protection degree IP44
- All distributors on this page with domestic sockets, German earthing

Order no. **573143****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 data sockets RJ45/ Cat. 6

Cable entry:

2x M25

Connection option:for 1 cable up to 5 x 10 mm²Order no. **572231****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Protection:

1 RCCB 40/0.03A, 4p

Cable entry:

1x M25

Connection option:for 1 cable up to 5 x 10 mm²Order no. **57963****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

1 RCCB 25/0.03A, 2p

Cable entry:

1x M25

Connection option:for 1 cable up to 3 x 10 mm²Order no. **570451****Components:**

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

1 RCCB 40/0.03A, 4p

Cable entry:

1x M20

Connection option:for 1 cable up to 5 x 10 mm²Order no. **57711****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 compressed air connection:
(Input: 1/2" pipe with external thread;
Output: 1/2" quick-release connector)

Cable entry:

1x M25, 1x M32 (2 circuits)

Connection option:for 2 cables up to 5 x 10 mm²Order no. **573151****Components:**

6 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 data sockets RJ45/ Cat. 6

Cable entry:

2x M25

Connection option:for 1 cable up to 5 x 10 mm²Order no. **57360****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 empty space for data sockets

Cable entry:

2x M25

Connection option:for 1 cable up to 5 x 10 mm²Order no. **571370****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
with child protection
2 laboratory sockets yellow/green, earth
potential
Laboratory sockets 2x blue and 2x red
DC extra-low voltage
2 laboratory sockets yellow, AC
extra-low voltage

Cable entry:

4x M20

Connection option:for 1 cable up to 3 x 10 mm²

Cable Gland



- Black
- Protection degree IP67

Thread	Sealing range	Order no.
M12	3-6 mm	580647
M20	8-13 mm	580648
M25	11-17 mm	580649
M32	15-21 mm	580650
M40	19-28 mm	580651
Multiple sealing insert		
for M25	2x8 mm	580652
for M32	4x8 mm	580653

Cable Gland with Pressure Equalization

The use of pressure equalization cable glands allows the internal pressure to adjust to the ambient pressure. The type-tested protection degree of the enclosure is fully retained. Temperature fluctuations, intense sunlight, or a sudden change in weather can cause condensation to form in combination enclosures. Basically, condensation can form in all sealed solid-rubber distributors. The higher the protection degree is, the more likely the formation of condensation will be.

We therefore recommend, especially in the case of distributors with protection degree IP67, the use of pressure equalization cable glands.



- Minimised condensation formation and therefore reduction in downtimes and time-consuming and expensive repair work
- No expensive and high-maintenance ventilation technology required
- No drip holes which reduce the level of protection
- With air ducts for pressure equalization
- black
- Protection degree IP67

Thread	Sealing range	Order no.
M20	6-13 mm	580656
M25	9-17 mm	580657
M32	13-21 mm	580658
M40	16-28 mm	580659

Mounting Set



- For MODBOX and MODBOX-Midi
- Consisting of:
4 screws 6 x 60 mm
4 screw dowels 8 x 51 mm

Order no. **580640**

Lock set



- For MODBOX operating window
- With locking cylinder and 2 keys

Order no. **58037-BE**



- For MODBOX-Midi OTC window
- With long shackle and 2 keys

Order no. **580642**

Portable Stand



- For MODBOX and MODBOXMidi
- Hot-dip galvanised steel tubing
- Folding
- Weight 4 kg
- Dimensions: 350/570 x 780 x 540 mm (W x H x D)

Order no. **580721**

Power-Port Free-Standing Distributor without door



- Only for MODBOX-Midi
- Enclosure dimensions 1300 x 350 x 275 mm (H x W x D)
- Enclosure made of high-quality V2A stainless steel
- Ground metal surface
- Moveable panel for concealing cables
- Base plate suitable for pedestal mounting
- Available in different colours (optional)

Order no. **580589**

Power-Port Free-Standing Distributor with door



- Only for MODBOX-Midi
- Enclosure dimensions 1300 x 350 x 415 mm (H x W x D)
- Enclosure made of high-quality V2A stainless steel
- Ground metal surface
- Moveable panel for concealing cables
- Base plate suitable for pedestal mounting
- Door with box lock and single profile cylinder, internal hinges
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Available in different colours (optional)

Order no. **580508**





Plugs and Sockets, 7-pole

Surface Mounting Socket Outlets,
7-pole



Pages 162 - 164

Panel Mounting Socket Outlets,
7-pole



Pages 162, 163

Plugs/ Inlets,
7-pole



Pages 162 - 164

Connectors,
7-pole



Pages 162, 163

Plugs and Sockets, Special 1h Earth Position

Surface Mounting Socket Outlets,
Special 1h Earth Position



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Panel Mounting Socket Outlets,
Special 1h Earth Position



Page 165

Plugs/ Inlets,
Special 1h Earth Position



Page 166

Connectors,
Special 1h Earth Position



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Plugs and Sockets, Extra-Low Voltage

Surface Mounting Socket Outlets,
Extra-Low Voltage



Page 167

Panel Mounting Socket Outlets,
Extra-Low Voltage



Pages 167, 168

Plugs/ Inlets,
Extra-Low Voltage



Pages 169

Connectors,
Extra-Low Voltage



Page 169

Plugs and Sockets, DC

Surface Mounting Socket Outlets,
DC



Pages 170, 171

Panel Mounting Socket Outlets,
DC



Page 170

Plugs,
DC



Pages 170, 171

Connectors,
DC



Page 171

Plugs and Sockets, Special Earth Clock Position 5h



High-Current Plugs and Sockets Above 125A



7-POLE PLUGS AND SOCKETS

- For plugs and sockets: polarity switchover circuits/ star-delta circuit
- Protection degree IP44

Surface Mounting Socket Outlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Cable entry 1x at top (open), 2x at bottom (closed)
- Base rotatable by 180°
- 4 mounting holes in enclosure base
- Protection degree IP44

Dimension drawing: see page 28/3 (1 MB 2 under 5-pole)



Fig.: Type 11481

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	11480	11481	10	375
32	7	11482	11483	10	455

Panel Mounting Socket Outlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Flange 75 x 75 mm
- Protection degree IP44

Dimension drawing: see page 244/3 (4 MB 4 under 5-pole)



Fig.: Type 13329

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	13326	13327	10	195
32	7	13328	13329	10	270

Panel Mounting Socket Outlet TE

- Screw terminals
- 20° angled
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Flange 100 x 92 mm
- Protection degree IP44



Fig.: Type 12393

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	12390	12391	10	215
32	7	12392	12393	10	290

Plug with TE Multi-Grip

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Dimension drawing: see page 78/2 (2 MB 93 under 5-pole)



Fig.: Type 210067

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	210550	21557	10	220
32	7	210636	210067	10	345

Surface Mounting Appliance Inlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 82/1 (5 MB 45 under 5-pole)



Fig.: Type 24196

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	24193	24194	10	340
32	7	24195	24196	10	420

Connector TE with Multi-Grip

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Dimension drawing: see page 99/2 (3 MB 62 under 5-pole)



Fig.: Type 310123

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	310311	31752	10	250
32	7	310381	310123	10	395

7-POLE PLUGS AND SOCKETS

- For plugs and sockets: polarity switchover circuits/ star-delta circuit
- Protection degree IP67

Surface Mounting Socket Outlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 30/3 (1 MB 8 under 5-pole)



Fig.: Type 11542

Ampere	Poles 6P+E	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	11634	11542	1	495

Surface Mounting Socket Outlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Dimension drawing: see page 31/1 (1 MB 14 under 5-pole)



Fig.: Type 11714

Ampere	Poles 6P+E	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
32	7	11635	11714	1	875

Panel Mounting Socket Outlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Flange 75 x 75 mm
- Protection degree IP67

Dimension drawing: see page 245/2 (4 MB 5 under 5-pole)



Fig.: Type 13333

Ampere	Poles 6P+E	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	13330	13331	10	230

32	7	13332	13333	10	320
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Panel Mounting Socket Outlet TE

- Screw terminals
- 20° angled
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Flange 100 x 92 mm
- Protection degree IP67



Fig.: Type 12397

Ampere	Poles 6P+E	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	12394	12395	10	245

32	7	12396	12397	10	335
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Plug TE with Multi-Grip

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

Accessories: closure cap, see page 102/3
Dimension drawing: see page 79/1 (2 MB 94 under 5-pole)



Fig.: Type 21669

Ampere	Poles 6P+E	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	21711	21667	10	255

32	7	21712	21669	10	405
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Connectors TE with Multi-Grip

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

Dimension drawing: see page 100/2 (3 MB 63 under 5-pole)



Fig.: Type 31515

Ampere	Poles 6P+E	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	31512	31513	10	295

32	7	31514	31515	10	465
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7-POLE PLUGS AND SOCKETS

- For plugs and sockets: polarity switchover circuits/ star-delta circuit
- Protection degree IP44, IP67

Surface Mounting Socket Outlet TE

- High-temperature-resistant contact carrier
- Nickel plated contacts
- Switched
- Lockable in 0-position
- Protection degree IP44

Dimension drawing: see page 45/2 (12 MB 24 under 5-pole)



Fig.: Type 16374

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	16441	16374	1	1105

Surface Mounting Socket Outlet TE

- High-temperature-resistant contact carrier
- Nickel plated contacts
- Switched
- With mechanical double interlocking
- Lockable in 0-position
- Protection degree IP44

Dimension drawing: see page 45/2 (12 MB 24 under 16A, 5-pole) for 16A, 7p
page 45/2 (12 MB 24 under 32A, 5-pole) for 32A, 7p



Fig.: Type 16378

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	16445	16378	1	220

32	7		160438	1	345
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Surface Mounting Socket Outlet TE

- High-temperature-resistant contact carrier
- Nickel plated contacts
- Switched
- With mechanical double interlocking
- Lockable in 0-position
- Protection degree IP67

Dimension drawing: see page 46/2 (12 MB 11 under 16A, 5-pole) for 16A, 7p
page 46/2 (12 MB 11 under 32A, 5-pole) for 32A, 7p



Fig.: Type 16380

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	16447	16380	1	1120

32	7		160087	1	1975
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Panel Mounting Appliance Inlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 89/1 (5 MB 24 under 5-pole)



Fig.: Type 26002

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	26012	26013	10	200

32	7	26001	26002	10	300
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Panel Mounting Appliance Inlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3

Dimension drawing: see page 90/1 (5 MB 1 under 5-pole)



Fig.: Type 26006

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	26003	26004	10	275

32	7	26005	26006	1	350
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Panel Mounting Appliance Inlet TE

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

Accessories: closure cap, see page 102/3

Dimension drawing: see page 92/1 (5 MB 22 under 5-pole)



Fig.: Type 27120

Ampere	6P+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	g each
		7pol 9h	7pol 6h		
16	7	27117	27118	10	240

32	7	27119	27120	10	410
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Surface Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Kontex contact
- Nickel plated contacts
- Cable entry 1x at top (open) and 1x at bottom (closed) for 16A 3p
- Cable entry 1x at top (open), 2x at bottom (closed) for 16A 4p - 32A 5p
- Base rotatable by 180°
- Protection degree IP44

Dimension drawing: see page 28/2 (1 MB 7) for 16A 3p, page 28/3 (1 MB 2) for 16A 5p - 32A 5p



Fig.: Type 110579

2P+E Ampere	3P+E Poles	3P+N+E Poles	>50 - 500V			Qty	each
			3pol 1h	4pol 1h	5pol 1h		
16	3		110577	10	185		
16	4		110353	10	305		
16	5		110394	10	330		
32	4		110578	10	370		
32	5		110579	10	380		

Surface Mounting Socket Outlet TE

- Cable entry 1x at top (open), 2x at bottom (closed) for 63A
- Cable entry M50 from above for 125A
- Base rotatable by 180° for 63A
- High-temperature-resistant contact carrier
- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 29/2 (1 MB 4) for 63A, page 31/3 (1 MB 20) for 125A



Fig.: Type 11889



Fig.: Type 110140

2P+E Ampere	3P+E Poles	3P+N+E Poles	>50 - 500V			Qty	each
			3pol 1h	4pol 1h	5pol 1h		
63	5		11889	5	825		
125	5		110140	1	2085		

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Flange 75 x 75 mm
- Protection degree IP44



Fig.: Type 130278

2P+E Ampere	3P+E Poles	3P+N+E Poles	>50 - 500V			Qty	each
			3pol 1h	4pol 1h	5pol 1h		
16	3		130277	10	110		
16	4		130077	10	130		
16	5		130278	10	170		
32	4		130040	10	205		
32	5		13822	10	225		

Panel Mounting Socket Outlet TE

- Screw terminals
- Flange 107 x 100 for 63A
- Flange 120 x 120 for 125A
- High-temperature-resistant contact carrier
- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 58/2 (4 MB 265) for 63A, page 64/1 (4 MB 55)



Fig.: Type 130279



Fig.: Type 13613

2P+E Ampere	3P+E Poles	3P+N+E Poles	>50 - 500V			Qty	each
			3pol 1h	4pol 1h	5pol 1h		
63	5		130279	5	530		
125	5		13613	5	1125		

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- 20° angled
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Flange 85 x 85 mm
- Protection degree IP44

Dimension drawing: see page 59/3 (4 MB 264)



Fig.: Type 120256

2P+E Ampere	3P+E Poles	3P+N+E Poles	>50 - 500V			Qty	each
			3pol 1h	4pol 1h	5pol 1h		
16	3		120442	10	125		
16	4		120150	10	145		
16	5		120282	10	175		
32	4		120157	10	235		
32	5		120256	10	265		

Panel Mounting Socket Outlet TE

- Screw terminals
- 15° angled
- Flange 114 x 114 mm
- High-temperature-resistant contact carrier
- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 61/2 (4 MB 10) for 63A, page 67/1 (4 MB 9) for 125A



Fig.: Type 120280



Fig.: Type 12689

2P+E Ampere	3P+E Poles	3P+N+E Poles	>50 - 500V			Qty	each
			3pol 1h	4pol 1h	5pol 1h		
63	5		120280	5	665		
125	5		12689	5	980		

Plug TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Dimension drawing: see page 78/2 (2 MB 93)



Fig.: Type 21907

 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles	>50 - 500V			 Qty	g each
			3pol 1h	4pol 1h	5pol 1h		
16	3					10	125
16	4					10	145
16	5					10	180
32	4					10	260
32	5					10	295

Plug TE with Multi-Grip

- Screw terminal
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 78/3 (2 MB 158)
for 63A, page 80/1 (2 MB 214) for 125A



Fig.: Type 21785

Fig.: Type 21966

 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles	>50 - 500V			 Qty	g each
			3pol 1h	4pol 1h	5pol 1h		
63	5					5	655
125	5					5	1235

Surface Mounting Appliance Inlet Quick-Connect TE

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Cable entry 1x at top (open), 2x at bottom (closed)
- Base rotatable by 180°
- 4 mounting holes in enclosure base
- Suitable for through wiring
- Protection degree IP44

Dimension drawing: see page 82/1 (5 MB 45)



Fig.: Type 24625

 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles	>50 - 500V			 Qty	g each
			3pol 1h	4pol 1h	5pol 1h		
16	5					10	305
32	4					10	380
32	5					10	385

Surface Mounting Appliance Inlet TE

- Screw terminals
- Box terminals
- Cable entry 1x at top (open) and 2x at bottom (closed) for 63A
- Cable entry M50 from above for 125A
- Base rotatable by 180° for 63A
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 82/2 (5 MB 48)
for 63A, page 86/2 (5 MB 37) for 125A



Fig.: Type 24594

Fig.: Type 24241

 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles	>50 - 500V			 Qty	g each
			3pol 1h	4pol 1h	5pol 1h		
63	5					5	1020
125	5					1	1235

Connector TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Dimension drawing: see page 99/2 (3 MB 62)



Fig.: Type 310044

 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles	>50 - 500V			 Qty	g each
			3pol 1h	4pol 1h	5pol 1h		
16	3					10	145
16	4					10	170
16	5					10	200
32	4					10	310
32	5					10	340

Connector TE with Multi-Grip

- Screw terminal
- Box terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 99/3 (3 MB 107)
for 63A, page 101/1 (3 MB 69) for 125A



Fig.: Type 31627

Fig.: Type 31641

 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles	>50 - 500V			 Qty	g each
			3pol 1h	4pol 1h	5pol 1h		
63	5					5	670
125	5					5	1300

EXTRA-LOW VOLTAGE PLUGS AND SOCKETS

- IEC 60309, VDE 0623
- Protection degree IP44

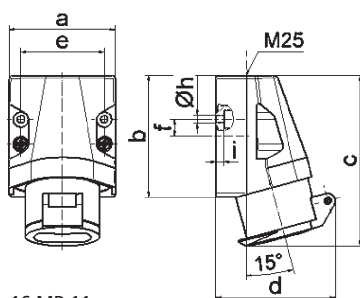
Surface Mounting Socket Outlet

- Screw terminals
- Cable entry 1x at top (open)
- Protection degree IP44

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	100-200Hz bis 50V	300Hz bis 50V	400Hz bis 50V	bis 50V	Qty	g each
		---	12h	4h	2h	3h	10h		
16	2	410	411	412	413	414	415	10	180
16	3	416	417	418	419	4110	4107	10	195
32	2	4111	4112	4113	4114	4115	4116	10	180
32	3	4117	4118	4119	4120	4121	4157	10	195



Fig.: Type 4118



16 MB 11

Ampere Poles	16 2	16 3	32 2	32 3
a	70.0	70.0	70.0	70.0
b	80.0	80.0	80.0	80.0
c	113.0	113.0	113.0	113.0
d	80.0	80.0	80.0	80.0
e	55.0	55.0	55.0	55.0
f	11.0	11.0	11.0	11.0
h ø	5.2	5.2	5.2	5.2
i	5.0	5.0	5.0	5.0
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

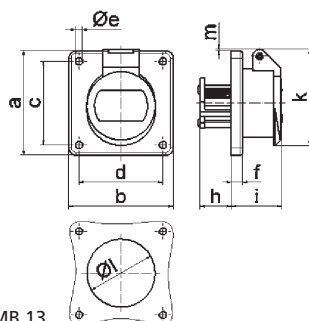
Panel Mounting Socket Outlet

- Screw terminals
- Straight
- Flange 55 x 55 mm
- Protection degree IP44

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	100-200Hz bis 50V	300Hz bis 50V	400Hz bis 50V	bis 50V	Qty	g each
		---	12h	4h	2h	3h	10h		
16	2	430	431	432	433	434	435	10	110
16	3	436	437	438	439	4310	4390	10	125
16	2	4311	4312	4313	4314	4315	4316	10	110
16	3	4317	4318	4319	4320	4321		10	125



Fig.: Type 4318



16 MB 13

Ampere Poles	16 2	16 3	32 2	32 3
a	55.0	55.0	55.0	55.0
b	55.0	55.0	55.0	55.0
c	45.0	45.0	45.0	45.0
d	45.0	45.0	45.0	45.0
e ø	5.2	5.2	5.2	5.2
f	6.0	6.0	6.0	6.0
h	22.0	22.0	22.0	22.0
i	37.0	37.0	37.0	37.0
k	67.0	67.0	67.0	67.0
l ø	49.0	49.0	49.0	49.0
m	12.0	12.0	12.0	12.0
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

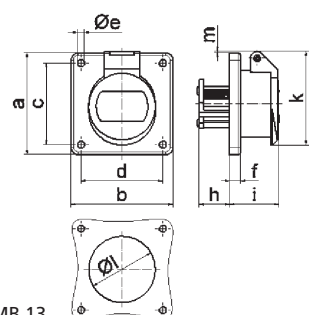
Panel Mounting Socket Outlet

- Screw terminals
- Straight
- Flange 75 x 75 mm
- Protection degree IP44

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	100-200Hz bis 50V	300Hz bis 50V	400Hz bis 50V	bis 50V	Qty	g each
		---	12h	4h	2h	3h	10h		
16	2	4354	4355	4356	4357	4358	4359	10	130
16	3	4360	4361	4362	4363	4364	43003	10	150
32	2	4365	4366	4367	4368	4369	4370	10	130
32	3	4371	4372	4373	4374	4375		10	150



Fig.: Type 4372



16 MB 13

Ampere Poles	16 2	16 3	32 2	32 3
a	75.0	75.0	75.0	75.0
b	75.0	75.0	75.0	75.0
c	60.0	60.0	60.0	60.0
d	60.0	60.0	60.0	60.0
e ø	5.2	5.2	5.2	5.2
f	6.0	6.0	6.0	6.0
h	22.0	22.0	22.0	22.0
i	37.0	37.0	37.0	37.0
k	67.0	67.0	67.0	67.0
l ø	49.0	49.0	49.0	49.0
m	2.0	2.0	2.0	2.0
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

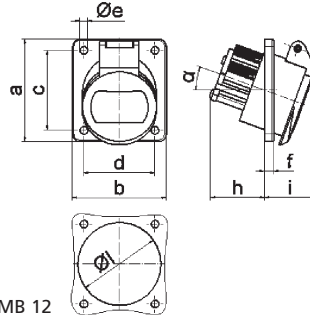
Panel Mounting Socket Outlet

- Screw terminals
- 20° angled
- Flange 68 x 62 mm
- Protection degree IP44



Fig.: Type 4218

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	100-200Hz bis 50V	300Hz bis 50V	400Hz bis 50V	bis 50V	Qty	g each
		---	12h	4h	2h	3h	10h		
16	2	420	421	422	423	424	425	10	115
16	3	426	427	428	429	4210		10	135
32	2	4211	4212	4213	4214	4215	4216	10	115
32	3	4217	4218	4219	4220	4221	4274	10	135



16 MB 12

Ampere Poles	16 2	16 3	32 2	32 3		
a	68.0	68.0	68.0	68.0		
b	62.0	62.0	62.0	62.0		
c	53.0	53.0	53.0	53.0		
d	47.0	47.0	47.0	47.0		
e ø	5.2	5.2	5.2	5.2		
f	6.0	6.0	6.0	6.0		
h	36.0	36.0	36.0	36.0		
i	35.0	35.0	35.0	35.0		
j	20°	20°	20°	20°		
l ø	55.0	55.0	55.0	55.0		
Cond. mm² min	4	4	4	4		
Cond. mm² max	10	10	10	10		

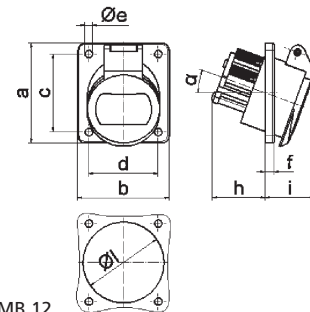
Panel Mounting Socket Outlet

- Screw terminals
- 20° angled
- Flange 100 x 92 mm
- Protection degree IP44



Fig.: Type 4240

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	100-200Hz bis 50V	300Hz bis 50V	400Hz bis 50V	bis 50V	Qty	g each
		---	12h	4h	2h	3h	10h		
16	2	4222	4223	4224	4225	4226	4227	10	150
16	3	4228	4229	4230	4231	4232		10	165
32	2	4233	4234	4235	4236	4237	4238	10	150
32	3	4239	4240	4241	4242	4243		10	165



16 MB 12

Ampere Poles	16 2	16 3	32 2	32 3		
a	100.0	100.0	100.0	100.0		
b	92.0	92.0	92.0	92.0		
c	85.0	85.0	85.0	85.0		
d	77.0	77.0	77.0	77.0		
e ø	5.2	5.2	5.2	5.2		
f	6.0	6.0	6.0	6.0		
h	36.0	36.0	36.0	36.0		
i	35.0	35.0	35.0	35.0		
j	20°	20°	20°	20°		
l ø	55.0	55.0	55.0	55.0		
Cond. mm² min	4	4	4	4		
Cond. mm² max	10	10	10	10		

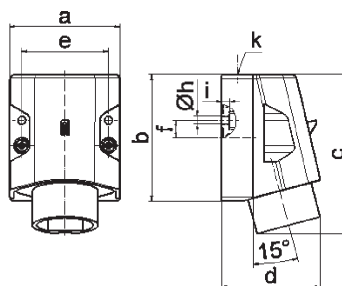
Surface Mounting Socket Outlet

- Screw terminals
- Protection degree IP44



Fig.: Type 4619

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	100-200Hz bis 50V	300Hz bis 50V	400Hz bis 50V	bis 50V	Qty	g each
		---	12h	4h	2h	3h	10h		
16	2	460	461	462	463	464	465	10	140
16	3	466	467	468	469	4610		10	165
32	2	4611	4612	4613	4614	4615	4616	10	140
32	3	4617	4618	4619	4620	4621		10	165



16 MB 15

Ampere Poles	16 2	16 3	32 2	32 3		
a	70.0	70.0	70.0	70.0		
b	80.0	80.0	80.0	80.0		
c	100.0	100.0	100.0	100.0		
d	82.0	82.0	82.0	82.0		
e	55.0	55.0	55.0	55.0		
f	11.0	11.0	11.0	11.0		
h ø	5.2	5.2	5.2	5.2		
i	5.0	5.0	5.0	5.0		
k	M25	M25	M25	M25		
Cond. mm² min	4	4	4	4		
Cond. mm² max	10	10	10	10		

EXTRA-LOW VOLTAGE PLUGS AND SOCKETS

- IEC 60309, VDE 0623
- Protection degree IP44

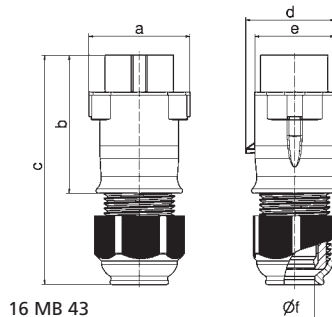
Plug with Multi-Grip

- Screw terminals
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	100-200Hz bis 50V	300Hz bis 50V	400Hz bis 50V	bis 50V	Qty	g each
		---	12h	4h	2h	3h	10h		
16	2	4422	4423	4424	4425	4426	4427	10	125
16	3	4428	4429	4430	4431	4432	4481	10	160
32	2	4433	4434	4435	4436	4437	4438	10	125
32	3	4439	4440	4441	4442	4443		10	160



Fig.: Type 4441



16 MB 43

Ampere Poles	16 2	16 3	32 2	32 3		
a	62.0	62.0	62.0	62.0		
b	85.0	85.0	85.0	85.0		
c	140.0	140.0	140.0	140.0		
d	55.0	55.0	55.0	55.0		
e	50.0	50.0	50.0	50.0		
f Ø	24.5	24.5	24.5	24.5		
Cond. mm² min	4	4	4	4		
Cond. mm² max	10	10	10	10		

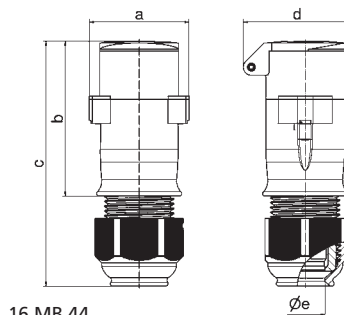
Connector with Multi-Grip

- Screw terminals
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	100-200Hz bis 50V	300Hz bis 50V	400Hz bis 50V	bis 50V	Qty	g each
		---	12h	4h	2h	3h	10h		
16	2	4522	4523	4524	4525	4526	4527	10	185
16	3	4528	4529	4530	4531	4532		10	205
32	2	4533	4534	4535	4536	4537	4538	10	185
32	3	4539	4540	4541	4542	4543		10	205



Fig.: Type 4541



16 MB 44

Ampere Poles	16 2	16 3	32 2	32 3		
a	62.0	62.0	62.0	62.0		
b	96.0	96.0	96.0	96.0		
c	152.0	152.0	152.0	152.0		
d	67.0	67.0	67.0	67.0		
e Ø	24.5	24.5	24.5	24.5		
Cond. mm² min	4	4	4	4		
Cond. mm² max	10	10	10	10		

Reducer

- Suitable for cables less than Ø 8 mm
- For all 16A standard plugs and sockets with Multi-Grip as well as extra-low voltage



Fig.: Type 29129

Order no.

29129

PLUGS AND SOCKETS FOR DC

- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

Surface Mounting Socket Outlet

- Screw terminals
- Protection degree IP44

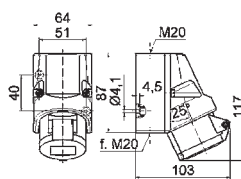


Fig.: Type 11032

1 MB 35

Ampere	2P+E Poles	> 50V bis 250V	> 250V	Qty	g each
		3pol 3h	3pol 8h		
16	3	11032		10	200

Panel Mounting Socket Outlet

- Screw terminals
- Straight
- Protection degree IP44

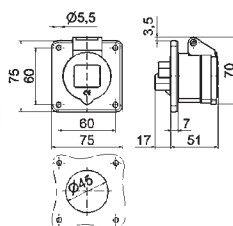


Fig.: Type 13070

4 MB 74

Ampere	2P+E Poles	> 50V bis 250V	> 250V	Qty	g each
		3pol 3h	3pol 8h		
16	3	13070		10	120

Panel Mounting Socket Outlet

- Screw terminals
- Angled
- Protection degree IP44

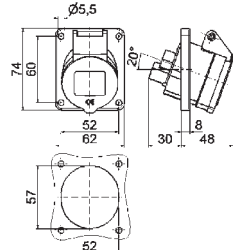


Fig.: Type 12144

4 MB 73

Ampere	2P+E Poles	> 50V bis 250V	> 250V	Qty	g each
		3pol 3h	3pol 8h		
16	3	12144		10	130

Plug TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

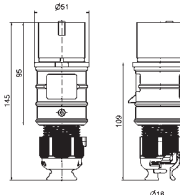


Fig.: Type 21868

2 MB 220

Ampere	2P+E Poles	> 50V bis 250V	> 250V	Qty	g each
		3pol 3h	3pol 8h		
16	3	21868	21882	10	125

Plug TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

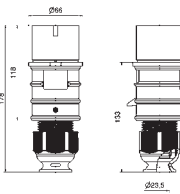


Fig.: Type 21869

2 MB 221

Ampere	2P+E Poles	> 50V bis 250V	> 250V	Qty	g each
		3pol 3h	3pol 8h		
32	3	21869	21876	10	240

PLUGS AND SOCKETS FOR DC

- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44

Plug TE with Multi-Grip

- Screw terminals
- Nickel plated contacts
- Screwless enclosure connection, self locking
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

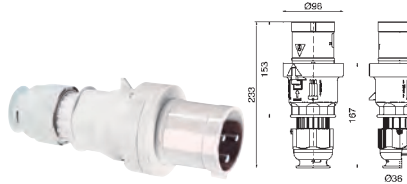


Fig.: Type 21706

2 MB 226

Ampere	2P+E Poles	3pol 3h	3pol 8h	Qty	g each
63	3	21706		5	535

Connector TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

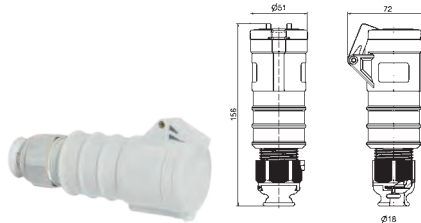


Fig.: Type 31677

3 MB 123

Ampere	2P+E Poles	3pol 3h	3pol 8h	Qty	g each
16	3	31677		10	145

Surface Mounting Socket Outlet

- Screw terminals
- Nickel plated contacts
- Switched
- With mechanical double interlocking
- Lockable in 0-position
- Protection degree IP44

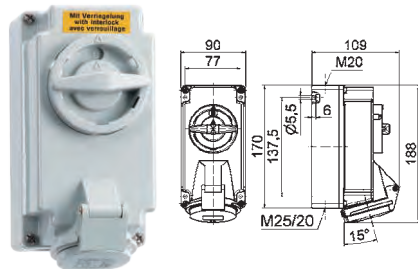


Fig.: Type 16449

12 MB 29

Ampere	2P+E Poles	3pol 3h	3pol 8h	Qty	g each
16	3	16449		1	575

Surface Mounting Socket Outlet

- Screw terminals
- Nickel plated contacts
- Switched
- With mechanical double interlocking
- Lockable in 0-position
- Protection degree IP44

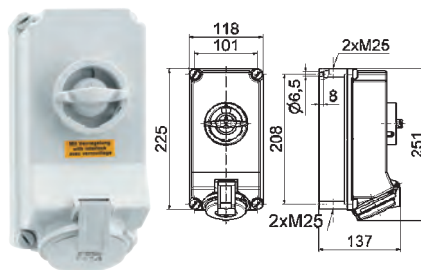


Fig.: Type 16450

12 MB 28

Ampere	2P+E Poles	3pol 3h	3pol 8h	Qty	g each
32	3	16450		1	1215

Surface Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- Cable entry 1x at top (open), 2x at bottom (closed)
- Base rotatable by 180°
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 28/3 (1 MB 2)



Fig.: Type 110582

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
16	4	110580	10	315
16	5	110581	10	330
32	4	110481	10	380
32	5	110582	10	420

Surface Mounting Socket Outlet TE

- Cable entry 1x at top (open), 2x at bottom (closed) for 63A
- Base rotatable by 180° for 63A
- Cable entry 1x M50 from above for 125A
- High-temperature-resistant contact carrier
- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 29/2 (1MB4) for 63A, page 31/3 (1MB20) for 125A



Fig.: Type 110583



Fig.: Type 110328

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
63	4	11334	5	795
63	5	110583	5	830
125	4	11019	1	1975
125	5	110328	1	2085

Products with PILOT please add "P" to the ref.no.

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Flange 75 x 75 mm
- Protection degree IP44



Fig.: Type 130283

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
16	4	130280	10	150
16	5	130281	10	170
32	4	130282	10	230
32	5	130283	10	250

Panel Mounting Socket Outlet TE

- Screw terminals
- Flange 107 x 100 for 63A
- Flange 120 x 120 for 125A
- High-temperature-resistant contact carrier
- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 58/2 (4 MB 265) for 63A, page 64/1 (4 MB 55) for 125A



Fig.: Type 13849



Fig.: Type 130055

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
63	4	13075	5	445
63	5	13849	5	490
125	4	130232	5	1005
125	5	130055	5	1110

Products with PILOT please add "P" to the ref.no.

Panel Mounting Socket Outlet Quick-Connect TE

- Screwless terminals
- 20° angled
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Flange 85 x 85 mm
- Protection degree IP44

Dimension drawing: see page 59/3 (4 MB 264)



Fig.: Type 120277

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
16	4	120368	10	135
16	5	120275	10	150
32	4	120336	10	200
32	5	120277	10	245

Panel Mounting Socket Outlet TE

- Screw terminals
- 15° angled
- Flange 114 x 114 mm
- High-temperature-resistant contact carrier
- Kontex contact
- Box terminals
- Nickel plated contacts
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 61/2 (4 MB 10) for 63A, page 67/3 (4 MB 9) for 125A



Fig.: Type 12251



Fig.: Type 12065

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
63	4	12275	5	460
63	5	12251	5	500
125	4	12034	5	965
125	5	12065	5	980

Products with PILOT please add "P" to the ref.no.

Plug TE-Plus

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Dimension drawing: see page 78/2 (2 MB 93)



Fig.: Type 210962

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
16	4	210628	10	145
16	5	210778	10	180
32	4	210962	10	260
32	5	210779	10	310

Plug TE

- Screw terminal
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Screwless enclosure connection, self locking
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 78/3 (2 MB 158) for 63A, page 80/1 (2 MB 214) for 125A



Fig.: Type 21461

Fig.: Type 21059

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
63	4	21515	5	600
63	5	21461	5	655
125	4	21063	5	1125
125	5	21059	5	1245

Surface Mounting Appliance Inlet Quick-Connect TE

- Screwless terminals
- Cable entry 1x at top (open), 2x at bottom (closed)
- Base rotatable by 180°
- 4 mounting holes in enclosure base
- Suitable for through wiring
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44

Dimension drawing: see page 82/1 (5 MB 45)



Fig.: Type 24630

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
16	5	24628	10	305
32	4	24629	10	380
32	5	24630	10	385

Surface Mounting Appliance Inlet TE

- Screw terminals
- Box terminals
- Cable entry 1x at top (open) and 2x at bottom (closed) for 63A
- Cable entry M50 from above for 125A
- Base rotatable by 180° for 63A
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 82/2 (5 MB 48) for 63A, page 86/2 (5 MB 37) for 125A



Fig.: Type 24632

Fig.: Type 24543

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
63	4	24631	5	925
63	5	24632	5	975
125	4	24250	1	2145
125	5	24543	1	2245

Connector TE-Plus

- Screwless terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Dimension drawing: see page 99/2 (3 MB 62)



Fig.: Type 310508

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
16	4	310441	10	170
16	5	310507	10	200
32	4	310628	10	310
32	5	310508	10	350

Connector TE

- Screw terminal
- Box terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Screwless enclosure connection, self locking
- Protection degree IP44 for 63A, IP67 for 125A

Dimension drawing: see page 99/3 (3 MB 107) for 63A, page 101/1 (3 MB 69) for 125A



Fig.: Type 31716

Fig.: Type 31266

Ampere	Poles	600 - 690V 50 u. 60 Hz	Qty	g each
63	4	31719	5	625
63	5	31716	5	670
125	4	31045	5	1215
125	5	31266	5	1300

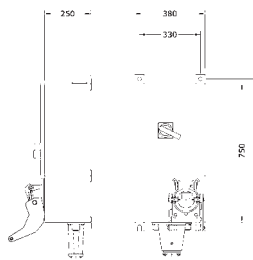
In the case of connectors with PILOT, please add -P to the end of the order number.

HIGH-CURRENT PLUGS AND SOCKETS

- Plugs and sockets above 125A and voltages up to 25kV
- Protection degree IP55, IP66

Surface Mounting Socket Outlet, Switched, Electrically Interlocked

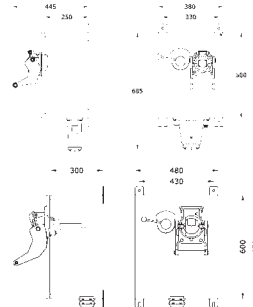
- Stainless-steel enclosure AISI 304
- With integrated main switch and socket
- Protection degree IP55



Ampere A	Poles p	Order no.	Cross section mm ²	Weight kg
250	4	160467		45.0
400	4	160468		45.0
250	5	160469		50.0
400	5	160470		50.0

Surface Mounting Socket Outlet, Switched, Electrically Interlocked

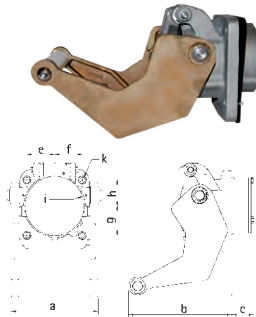
- Stainless-steel enclosure AISI 304
- With integrated main switch and socket
- Protection degree IP55



Ampere A	Poles p	Order no.	Cross section mm ²	Weight kg
250	4	160471		27.0
400	4	160472		27.0
250	5	160473		45.0
400	5	160474		45.0

Panel Mounting Socket Outlet with Easy Locking System and Laminated Contacts

- Metallic plugs and sockets
- Bronze lever arm
- 2 internal pilot contacts for signalling and control purposes
- IP66 when closed

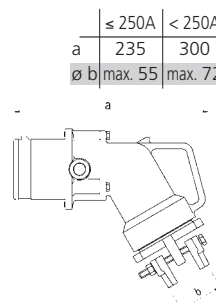


	≤ 250A	< 250A	Ampere A	Poles p	Order no.	Cross section mm ²	Weight kg
a	150	200					
b	171	225	160	4	13898	≤ 35	3.5
c	36	93	200	4	13899	50	3.5
d	219		250	4	13900	70	3.5
e	46	55	320	4	130214	95	7.8
f	46	55	420	4	130215	120/150	7.8
g	49	83	160	5	13901	35	3.5
h	43	102	200	5	13902	50	3.5
i	ø 98	ø 135	250	5	130216	≤ 70	7.8
k	4x ø10	4x ø10	320	5	130217	95	7.8

Plug, Angled with Easy Locking System

- Metallic plugs and sockets
- External strain relief
- High-temperature-resistant contact carrier
- Silver-plated laminated contacts
- 2 internal pilot contacts for signalling and control purposes
- Plugs and sockets can be protected from dirt and dust by means of an additional protective cap
- IP66 when closed

Order corresponding protective cap - **Order No. 8345**

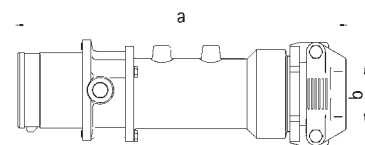


Ampere A	Poles p	Order no.	Cross section mm ²	Weight kg
160	4	2318	≤ 35	1.9
200	4	2319	50	1.9
250	4	2320	70	1.9
320	4	2323	95	4.5
420	4	2311	120/150	4.5
160	5	2321	35	1.9
200	5	2322	50	1.9
250	5	2324	≤ 70	4.5
320	5	2316	95	4.5

Plug, Straight with Easy Locking System

- Metallic plugs and sockets
- External strain relief
- High-temperature-resistant contact carrier
- Silver-plated laminated contacts
- 2 internal pilot contacts for signalling and control purposes
- Plugs and sockets can be protected from dirt and dust by means of an additional protective cap
- IP66 when closed

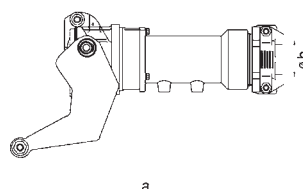
Order corresponding protective cap - **Order No. 8322**



Ampere A	Poles p	Order no.	Cross section mm ²	Weight kg
160	4	211018	≤ 35	1.8
200	4	211019	50	1.8
250	4	211020	70	1.8
320	4	211021	95	4.5
420	4	211022	120/150	4.5
160	5	211023	35	1.8
200	5	211024	50	1.8
250	5	211025	≤ 70	4.5
320	5	211026	95	4.5

Plug, Straight with Easy Locking System

- Metallic plugs and sockets
- External strain relief
- High-temperature-resistant contact carrier
- Silver-plated laminated contacts
- 2 internal pilot contacts for signalling and control purposes
- IP66 when closed



Ampere A	Poles p	Order no.	Cross section mm ²	Weight kg
160	4	310697	≤ 35	4.8
200	4	310698	50	4.8
250	4	310318	70	4.8
320	4	310699	95	9.4
420	4	310700	120/150	9.4
160	5	310701	35	4.8
200	5	310702	50	4.8
250	5	310703	≤ 70	9.4
320	5	310704	95	9.4





Field of Application: Reefer Containers, Clock Face Position 3h

Surface Mounting Socket Outlets,
Containers



Pages 181, 182

Panel Mounting Socket Outlets,
Containers



Page 182

Plugs/ inlets,
Containers



Pages 182, 183

Connectors,
Containers



Page 183

Field of Application: Military Facilities

TN Panel Mounting Socket Outlets



Pages 184, 185

TN
Plugs/Inlets



Pages 186 - 188

TN
Connectors



Page 189

TN Solid-Rubber Distributors,
Portable



Pages 190, 191

TN Domestic Panel Mounting
Socket Outlets



Page 192

TN Domestic
Plugs/Inlets



Page 192

TN Domestic
Connectors



Pages 192, 193

TN Accessories



Pages 193

Field of Application: Potentially Explosive Areas, Zone 1, 2, 21 and 22

Surface Mounting Socket Outlets



Pages 195, 196

Plugs



Pages 197, 198

Surface Mounting Socket Outlets/
Plugs, DC



Pages 199, 200

Cable Reels/Distributors,
DC



Page 200

Field of Application: Event Technology

Panel Mounting Socket Outlets



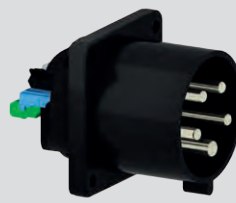
Page 202

Plugs



Page 202

Inlets



Page 203

Connectors



Page 203

Domestic Panel Mounting Socket Outlets



Page 204

Domestic Plugs



Page 204

Domestic Connectors



Pages 204

Field of Application: Camping

Surface Mounting Socket Outlets for Camping



Page 206

Panel Mounting Socket Outlets for Camping



Page 206

Caravan Flushmounting Inlets for Camping



Page 206

Plugs/Inlets/
Angled Plugs for Camping



Pages 206, 207

Connectors
for Camping



Page 208

Adapter Plugs
for Camping



Page 208

Domestic Plugs and Sockets for
Camping



Page 208

Extension Leads
for Camping



Page 208

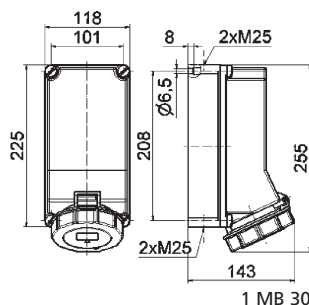


- Container operating voltage 400 - 440 V, clock face position 3h
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP67

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 11556

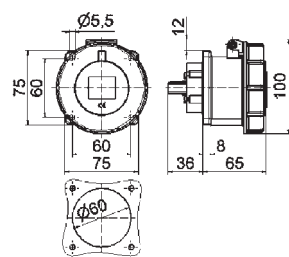


Ampere	Poles	3h	Qty	each
32	4	11556	1	805

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Straight
- Protection degree IP67



Fig.: Type 13021



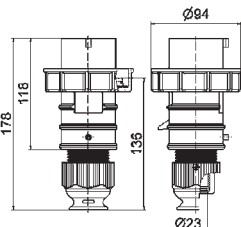
Ampere	Poles	3h	Qty	each
32	4	13021	10	255

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

Accessories:
Closure cap: see page 102/3



Fig.: Type 210328

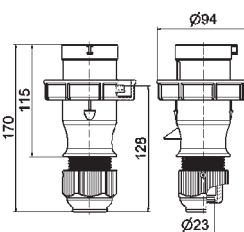


					
Ampere	3P+E Poles	380V (50Hz) and 440V (60Hz)	3h	Qty	g each
32	4	2148509	10	300	

- Screw terminals
- One-piece enclosure
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67



Fig.: Type 210824

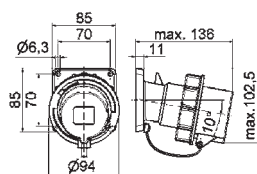


				
Ampere	Poles	3h	Qty	each
32	4	210824	10	250

- Screw terminals
- With closure cap
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67



Fig.: Type 27027



				
Ampere	Poles	3h	Qty	each
32	4	27027	10	345

REEFER CONTAINER PLUGS AND SOCKETS

- Container operating voltage 400 - 440 V, clock face position 3h
- IEC 60309, EN 60309, VDE 0623
- Protection degree IP44, IP67

Connector TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

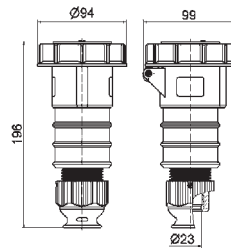


Fig.: Type 310426

Ampere	3P+E Poles	380V (50Hz) and 440V (60Hz) 3h	Qty	each
32	4	310426	10	390

Connector with Multi-Grip

- Screw terminals
- One-piece enclosure
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

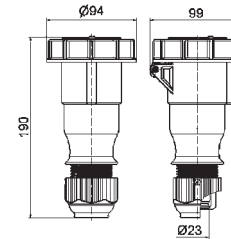


Fig.: Type 310567

Ampere	3P+E Poles	380V (50Hz) and 440V (60Hz) 3h	Qty	each
32	4	310567	10	334

Surface Mounting Socket Outlet TE

- CEE socket with screwless terminals
- Switched
- With mechanical double interlocking
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

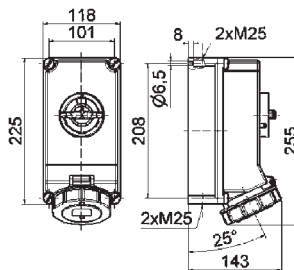


Fig.: Type 16050

Ampere	3P+E Poles	380V (50Hz) and 440V (60Hz) 3h	Qty	each
32	4	16050	1	1250

Surface Mounting Socket Outlet TE

- CEE socket with screwless terminals
- Switched
- With mechanical double interlocking
- DIN rail (6 modules)
- Hinged window
- Lockable in 0-position
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Protection degree IP67

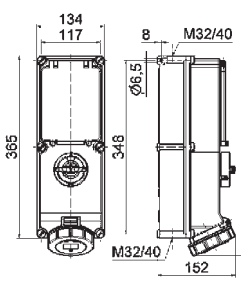


Fig.: Type 17026

Ampere	3P+E Poles	380V (50Hz) and 440V (60Hz) 3h	Qty	each
32	4	17026	1	1910

Test Plug

- Screw terminals
- For testing switch panel
- Nickel plated contacts
- Protection degree IP44



Fig.: Type 2298

Ampere	3P+E Poles	380V (50Hz) and 440V (60Hz) 3h	Qty	each
32	4	2298	1	225



TN PANEL MOUNTING SOCKETS straight

- Colour: bronze-green RAL 6031-F9
- IEC 60309, EN 60309, VDE 0623, VG 96919
- Protection degree IP67

Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Straight
- Kontex contact
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Flange 75 x 75 mm
- Protection degree IP67

(Form AS)



Fig.: Type 13066

		 2P+E Ampere	 3P+E Poles	 3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	440V 60 Hz	301-500Hz > 50V	g										
		3pol	4pol	5pol	6h	9h	9h	6h	6h	3pol	4pol	5pol	2h	2h	2h	each			
16	3	Order no.	13064*								13098				150				
		Supply No. 5935-12-...	320-7272																
		VG type No. VG 96919...	AS 013								AS 039								
16	4	Order no.	13928				13633				13929				13930				170
		Supply No. 5935-12-...	AS 020				AS 018				AS 021				AS 022				
		VG type No. VG 96919...	AS 020				AS 001				AS 003				AS 004				
16	5	Order no.	13189*				13065*				13182*				13183*				195
		Supply No. 5935-12-...	AS 002				300-5324												
		VG type No. VG 96919...	AS 002				AS 001				AS 003				AS 004				
32	3	Order no.	13032												13932				245
		Supply No. 5935-12-...	AS 042												AS 044				
		VG type No. VG 96919...	AS 042												AS 044				
32	4	Order no.	13933				13634				13166				13935				265
		Supply No. 5935-12-...	AS 025				AS 023				AS 026				AS 027				
		VG type No. VG 96919...	AS 025				AS 005				AS 007				AS 008				
32	5	Order no.	13297*				13066*				13184*				13175*				315
		Supply No. 5935-12-...	300-5323				300-5323				321-5242				321-5242				
		VG type No. VG 96919...	AS 006				AS 005				AS 007				AS 008				

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	75.0	75.0	75.0	75.0	75.0	75.0
b	75.0	75.0	75.0	75.0	75.0	75.0
c	60.0	60.0	60.0	60.0	60.0	60.0
d	60.0	60.0	60.0	60.0	60.0	60.0
e Ø	5.5	5.5	5.5	5.5	5.5	5.5
f	7.0	7.0	7.0	8.0	8.0	8.0
h	35.0	35.0	35.0	50.0	50.0	50.0
i	57.0	57.0	57.0	69.0	69.0	69.0
k	77.0	83.0	93.0	98.0	98.0	107.0
l Ø	45.0	75.0	55.0	60.0	60.0	60.0
m	4.0	7.0	12.0	12.0	12.0	17.0
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4.0	4.0	4.0	10.0	10.0	10.0

4 MB 125

Panel Mounting Socket Outlet

- Screw terminals
- Straight
- High-temperature-resistant contact carrier
- Box terminals
- Kontex contact
- Nickel plated contacts
- Flange 107 x 100 mm for 63A, 120 x 120 mm for 125A
- Protection degree IP67

(Form AS)



Fig.: Type 13067

		 2P+E Ampere	 3P+E Poles	 3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	440V 60 Hz	301-500Hz > 50V	g	
					3pol 6h 4pol 9h 5pol 9h	3pol 9h 4pol 6h 5pol 6h	4pol 11h 5pol 11h	3pol 2h 4pol 2h 5pol 2h	each	
63	3	Order no.				13186		13927	500	
		Supply No. 5935-12-...								
63	4	VG type No. VG 96919...				AS 047		AS 049	580	
		Order no.				13924	13839	13925		13926
63	5	Supply No. 5935-12-...				AS 030	AS 028	AS 031	AS 032	620
		VG type No. VG 96919...				AS 030	300-3603	AS 031	321-5243	
125	3	Order no.				13298*	13067*	13187*	13188*	930
		Supply No. 5935-12-...				AS 010	AS 009	AS 011	AS 012	
125	4	VG type No. VG 96919...				AS 010			AS 012	1090
		Order no.				13840			13923	
125	5	Supply No. 5935-12-...				AS 052			AS 054	1210
		VG type No. VG 96919...				AS 052			AS 054	
125	3	Order no.				13919	13841	13920	13921	1090
		Supply No. 5935-12-...				AS 035	AS 033	AS 036	AS 037	
125	4	VG type No. VG 96919...				AS 035	AS 033	AS 036	AS 037	1210
		Order no.				13915	13647	13916	13918	
125	5	Supply No. 5935-12-...				AS 015	AS 014	AS 016	AS 017	1210
		VG type No. VG 96919...				AS 015	AS 014	AS 016	AS 017	

Ampere Poles	63 3	63 4	63 5	125 3	125 4	125 5
a	107.0	107.0	107.0	120.0	120.0	120.0
b	100.0	100.0	100.0	120.0	120.0	120.0
c	85.0	85.0	85.0	100.0	100.0	100.0
d	77.0	77.0	77.0	100.0	100.0	100.0
e Ø	6.5	6.5	6.5	6.5	6.5	6.5
f	12.0	12.0	12.0	21.0	21.0	21.0
h	57.0	57.0	57.0	50.0	50.0	50.0
i	77.0	77.0	77.0	117.0	117.0	117.0
k	113.0	113.0	113.0	129.0	129.0	129.0
l Ø	88.0	88.0	88.0	104.0	104.0	104.0
m	8.0	8.0	8.0	6.0	6.0	6.0
Cond. mm² min	6.0	6.0	6.0	25.0	25.0	25.0
Cond. mm² max	25.0	25.0	25.0	70.0	70.0	70.0

4 MB 134

* Approval according to VG 96919

TN PANEL MOUNTING SOCKETS angled

- Colour: bronze-green RAL 6031-F9
- IEC 60309, EN 60309, VDE 0623, VG 96919
- Protection degree IP67

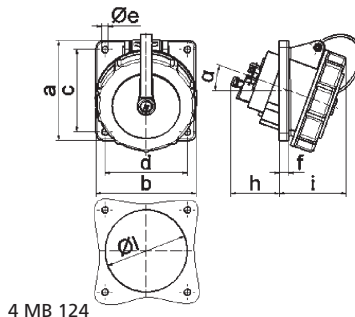
Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Flange 85 x 85 mm
- Protection degree IP67

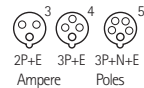
(Form BS)



Fig.: Type 12087



4 MB 124



230V
50-60 Hz

400V
50-60 Hz

440V
60 Hz

301-500Hz
> 50V

9
each

		Order no.	Supply No. 5935-12-...	VG type No. VG 96919...	12085*	12086*	12087*	12088*	
16	3	Order no.	347-4131	BS 017	120025	120026	120027	120029	155
16	4	Order no.	300-5324	BS 002	BS 020	BS 018	BS 021	BS 022	175
16	5	Order no.	300-5324	BS 001	BS 003	BS 004	BS 005	BS 006	200
32	3	Order no.	306-7781	BS 007	BS 008	BS 009	BS 010	BS 011	250
32	4	Order no.	311-1928	BS 012	BS 013	BS 014	BS 015	BS 016	275
32	5	Order no.	311-1928	BS 017	BS 018	BS 019	BS 020	BS 021	315

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e Ø	5.5	5.5	5.5	5.5	5.5	5.5
f	8.0	8.0	8.0	8.0	8.0	8.0
h	46.0	46.0	46.0	50.0	50.0	50.0
i	57.0	57.0	60.0	67.0	67.0	69.0
l Ø	57.0	65.0	70.0	78.0	78.0	78.0
α	20°	20°	20°	20°	20°	20°
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4.0	4.0	4.0	10.0	10.0	10.0

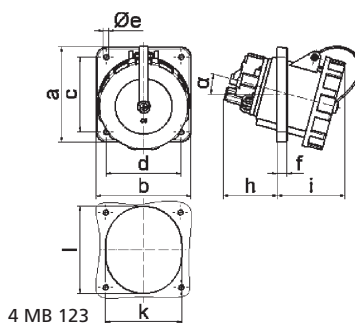
Panel Mounting Socket Outlet

- Screw terminals
- Angled
- High-temperature-resistant contact carrier
- Box terminals
- Kontex contact
- Nickel plated contacts
- Flange 114 x 114 mm
- Protection degree IP67

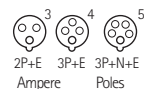
(Form BS)



Fig.: Type 12088



4 MB 123



230V
50-60 Hz

400V
50-60 Hz

440V
60 Hz

301-500Hz
> 50V

9
each

		Order no.	Supply No. 5935-12-...	VG type No. VG 96919...	12239	12240*	12241*	12242*	
63	3	Order no.	347-4133	BS 009	BS 010	BS 011	BS 012	BS 013	555
63	4	Order no.	347-4133	BS 009	BS 010	BS 011	BS 012	BS 013	590
63	5	Order no.	347-4133	BS 009	BS 010	BS 011	BS 012	BS 013	630
125	3	Order no.	347-4133	BS 009	BS 010	BS 011	BS 012	BS 013	905
125	4	Order no.	347-4133	BS 009	BS 010	BS 011	BS 012	BS 013	965
125	5	Order no.	347-4133	BS 009	BS 010	BS 011	BS 012	BS 013	1045

Ampere Poles	63 3	63 4	63 5	125 3	125 4	125 5
a	114.0	114.0	114.0	114.0	114.0	114.0
b	114.0	114.0	114.0	114.0	114.0	114.0
c	90.0	90.0	90.0	90.0	90.0	90.0
d	90.0	90.0	90.0	90.0	90.0	90.0
e Ø	5.5	5.5	5.5	6.5	6.5	6.5
f	12.0	12.0	12.0	12.0	12.0	12.0
h	65.0	65.0	65.0	82.0	82.0	82.0
i	82.0	82.0	82.0	90.0	90.0	90.0
k	92.0	92.0	92.0	92.0	92.0	92.0
l	92.0	92.0	92.0	105.0	105.0	105.0
α	15°	15°	15°	15°	15°	15°
Cond. mm² min	6.0	6.0	6.0	25.0	25.0	25.0
Cond. mm² max	25.0	25.0	25.0	70.0	70.0	70.0

* Approval according to VG 96919

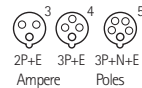
TN PLUGS

- Colour: bronze-green RAL 6031-F9
- IEC 60309, EN 60309, VDE 0623, VG 96919
- Protection degree IP67

Plug TE-Plus with Multi-Grip

- Screwless terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- With protective cap
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

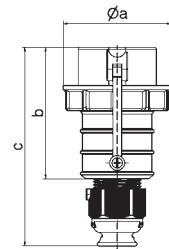
(Form CP)



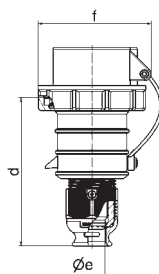
			230V 50-60 Hz	400V 50-60 Hz	440V 60 Hz	301-500Hz > 50V	g each
			3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	4pol 5pol 11h 11h	3pol 4pol 5pol 2h 2h 2h	
16	3	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	21220* 312-5515 CP 017			210403 CP 039	180
16	4	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	210404 CP 020	210077 CP 018	210405 CP 021	210406 CP 022	230
16	5	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	21423* CP 002	21208* 300-3599 CP 001	21424* CP 003	21425* CP 004	265
32	3	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	21221 CP 042			210408 CP 044	340
32	4	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	210409 CP 025	210078 CP 023	210410 CP 026	210411 CP 027	380
32	5	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	21426* CP 006	21209* 300-3596 CP 005	21427* 348-5139 CP 007	21380* 312-4197 CP 008	420



Fig.: Type 21208



2 MB 95

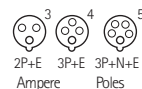


Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a Ø	70.0	78.0	86.0	94.0	94.0	101.0
b	103.5	104.0	105.5	127.0	127.0	129.5
c	153.5	154.0	160.5	187.0	187.0	193.5
d	111.0	111.0	119.0	136.0	136.0	138.5
e Ø	18.0	18.0	21.0	23.5	23.5	27.0
f	75.5	82.5	91.0	96.5	96.5	104.5
Cond. mm² min	1.0	1.0	1.0	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6.0	6.0	6.0

Plug TE with Multi-Grip

- Screw terminals
- High-temperature-resistant contact carrier
- Box terminals
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- With protective cap
- Screwless enclosure connection, self locking
- Protection degree IP67

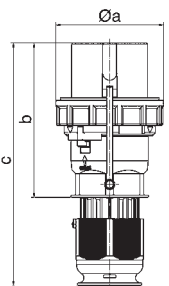
(Form CP)



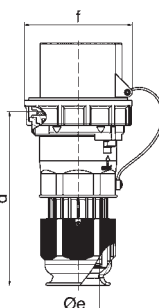
			230V 50-60 Hz	400V 50-60 Hz	440V 60 Hz	301-500Hz > 50V	g each
			3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	4pol 5pol 11h 11h	3pol 4pol 5pol 2h 2h 2h	
63	3	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	210256 CP 047			210413 CP 049	695
63	4	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	210414 CP 000	210263 CP 028	210415 CP 031	210417 CP 032	755
63	5	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	21428* CP 010	21210* 300-5325 CP 009	21429* CP 0011	21430* CP 012	815
125	3	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	210264 CP 052			210419 CP 054	1115
125	4	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	210421 CP 035	210265 CP 033	210422 CP 036	210423 CP 037	1220
125	5	Order no. Supply No. 5935-12-... VG type No. VG 96919-...	21431* CP 014	21033* 327-8595 CP 013	21432* CP 015	21433* CP 016	1330



Fig.: Type 21210



2 MB 107



Ampere Poles	63 3	63 4	63 5	125 3	125 4	125 5
a Ø	113.5	113.5	113.5	126.0	126.0	126.0
b	169.0	169.0	169.0	185.0	185.0	185.0
c	250.0	250.0	250.0	286.0	286.0	286.0
d	171.0	171.0	171.0	206.0	206.0	206.0
e Ø	36.0	36.0	36.0	50.0	50.0	50.0
f	112.5	112.5	112.5	125.0	125.0	125.0
Cond. mm² min	6.0	6.0	6.0	16.0	16.0	16.0
Cond. mm² max	25.0	25.0	25.0	50.0	50.0	50.0

* Approval according to VG 96919

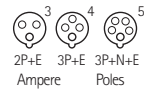
TN APPLIANCE INLETS WITH FLANGE

- Colour: bronze-green RAL 6031-F9
- IEC 60309, EN 60309, VDE 0623, VG 96919
- Protection degree IP67

Appliance Inlet with Flange

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- With protective cap
- Flange 85 x 85 mm
- Protection degree IP67

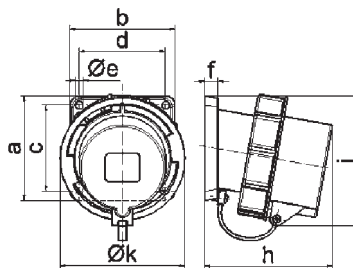
(Form BP)



			230V 50-60 Hz	400V 50-60 Hz	440V 60 Hz	301-500Hz > 50V	9 each
			3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	4pol 5pol 11h 11h	3pol 4pol 5pol 2h 2h 2h	
16	3	Order no.	27046*			27286	
		Supply No. 5935-12-...	319-7028				205
		VG type No. VG 96919...	BP 013			BP 039	
16	4	Order no.	27287	27204	27288	27289	
		Supply No. 5935-12-...					230
		VG type No. VG 96919...	BP 020	BP 018	BP 021	BP 022	
16	5	Order no.	27104*	2702*	27105*	27106*	
		Supply No. 5935-12-...		300-3598			260
		VG type No. VG 96919...	BP 002	BP 001	BP 003	BP 004	
32	3	Order no.	2745			27291	
		Supply No. 5935-12-...					305
		VG type No. VG 96919...	BP 042			BP 044	
32	4	Order no.	27292	27201	27293	27294	
		Supply No. 5935-12-...					330
		VG type No. VG 96919...	BP 025	BP 023	BP 026	BP 027	
32	5	Order no.	27107*	2703*	27108*	27043*	
		Supply No. 5935-12-...		188-9997		312-4195	365
		VG type No. VG 96919...	BP 006	BP 005	BP 007	BP 008	



Fig.: Type 2703



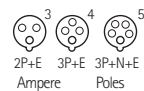
5 MB 31

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e ø	6.3	6.3	6.3	6.3	6.3	6.3
f	11.0	11.0	11.0	11.0	11.0	11.0
h	94.0	94.0	94.0	105.0	105.0	105.0
i	94.0	97.0	101.0	103.0	103.0	107.0
k	70.5	78.5	86.5	94.0	94.0	101.5
Cond. mm² min	1.0	1.0	1.0	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6.0	6.0	6.0

Appliance Inlet with Flange

- Screw terminals
- High-temperature-resistant contact carrier
- Box terminals
- Nickel plated contacts
- With protective cap
- Flange 107 x 100 mm for 63A, 130 x 120 mm for 125A
- Protection degree IP67

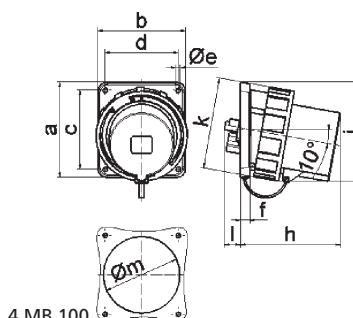
(Form BP)



			230V 50-60 Hz	400V 50-60 Hz	440V 60 Hz	301-500Hz > 50V	9 each
			3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	4pol 5pol 11h 11h	3pol 4pol 5pol 2h 2h 2h	
63	3	Order no.	27267			27295	
		Supply No. 5935-12-...					630
		VG type No. VG 96919...	BP 047			BP 049	
63	4	Order no.	27296	27268	27297	27298	
		Supply No. 5935-12-...					695
		VG type No. VG 96919...	BP 030	BP 028	BP 031	BP 032	
63	5	Order no.	27109*	2704*	27110*	27045*	
		Supply No. 5935-12-...					750
		VG type No. VG 96919...	BP 010	BP 009	BP 011	BP 012	
125	3	Order no.	27269			27299	
		Supply No. 5935-12-...					1010
		VG type No. VG 96919...	BP 052			BP 054	
125	4	Order no.	27300	27270	27301	27302	
		Supply No. 5935-12-...					1125
		VG type No. VG 96919...	BP 035	BP 033	BP 036	BP 037	
125	5	Order no.	27303	27102	27304	27305	
		Supply No. 5935-12-...		300-5323		321-5242	1220
		VG type No. VG 96919...	BP 015	BP 014	BP 016	BP 017	



Fig.: Type 2704



4 MB 100

Ampere Poles	63 3	63 4	63 5	125 3	125 4	125 5
a	107.0	107.0	107.0	130.0	130.0	130.0
b	100.0	100.0	100.0	120.0	120.0	120.0
c	85.0	85.0	85.0	108.0	108.0	108.0
d	77.0	77.0	77.0	100.0	100.0	100.0
e ø	6.5	6.5	6.5	6.5	6.5	6.5
f	12.0	12.0	12.0	13.0	13.0	13.0
h	142.0	142.0	142.0	134.0	134.0	134.0
i	124.0	124.0	124.0	138.0	138.0	138.0
k	113.5	113.5	113.5	126.0	126.0	126.0
l	---	---	---	23.0	23.0	23.0
m ø	---	---	---	105.0	105.0	105.0
Cond. mm² min	6.0	6.0	6.0	16.0	16.0	16.0
Cond. mm² max	16.0	16.0	16.0	50.0	50.0	50.0

* Approval according to VG 96919

TN APPLIANCE INLETS WITH FLANGE, straight

- Colour: bronze-green RAL 6031-F9
- IEC 60309, EN 60309, VDE 0623, VG 96919
- Protection degree IP67

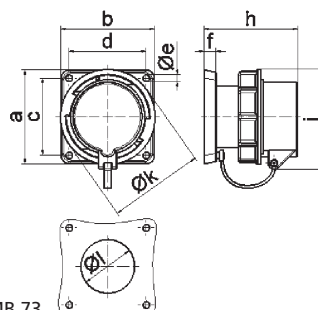
Appliance Inlet with Flange

- Screw terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- With protective cap
- Flange 85 x 85 mm
- Protection degree IP67

(Form AP)



Fig.: Type 2897



5 MB 73

								g
		Ampere	Poles	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	4pol 5pol 11h 11h	3pol 4pol 5pol 2h 2h 2h	each
16	3	Order no.		2892				210
		Supply No. 5935-12-...		AP 037				
		VG type No. VG 96919...						
16	4	Order no.		2893				
		Supply No. 5935-12-...		AP 017				
		VG type No. VG 96919...						
16	5	Order no.		2894				
		Supply No. 5935-12-...		AP 001				
		VG type No. VG 96919...						
32	3	Order no.		2895				
		Supply No. 5935-12-...		AP 042				
		VG type No. VG 96919...						
32	4	Order no.		2896				
		Supply No. 5935-12-...		AP 022				
		VG type No. VG 96919...						
32	5	Order no.		2897				360
		Supply No. 5935-12-...		AP 005				
		VG type No. VG 96919...						

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e ø	6.3	6.3	6.3	6.3	6.3	6.3
f	11.0	11.0	11.0	11.0	11.0	11.0
h	84.0	84.0	85.0	94.0	94.0	94.0
i	82.5	86.0	91.0	96.5	96.5	104.0
k ø	70.5	78.5	86.5	94.0	94.0	101.5
l ø	49.0	49.0	49.0	49.0	49.0	49.0
Cond. mm² min	1.0	1.0	1.0	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6.0	6.0	6.0

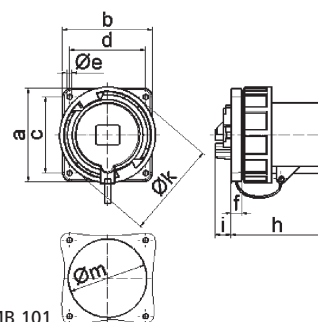
Appliance Inlet with flange

- Screw terminals
- High-temperature-resistant contact carrier
- Box terminals
- Nickel plated contacts
- With protective cap
- Flange 110 x 106 mm for 63A, flange 120 x 120 mm for 125A
- Protection degree IP67

(Form AP)



Fig.: Type 2853



5 MB 101

								g
		Ampere	Poles	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	4pol 5pol 11h 11h	3pol 4pol 5pol 2h 2h 2h	each
63	3	Order no.		28042				
		Supply No. 5935-12-...		AP 047				
		VG type No. VG 96919...						
63	4	Order no.		28000				
		Supply No. 5935-12-...		AP 027				
		VG type No. VG 96919...						
63	5	Order no.		2853				725
		Supply No. 5935-12-...		AP 009				
		VG type No. VG 96919...						
125	3	Order no.		28043				
		Supply No. 5935-12-...		AP 052				
		VG type No. VG 96919...						
125	4	Order no.		28044				
		Supply No. 5935-12-...		AP 032				
		VG type No. VG 96919...						
125	5	Order no.		28045				
		Supply No. 5935-12-...		AP 013				
		VG type No. VG 96919...						

Ampere Poles	63 3	63 4	63 5	125 3	125 4	125 5
a	110.0	110.0	110.0	120.0	120.0	120.0
b	106.0	106.0	106.0	120.0	120.0	120.0
c	90.0	90.0	90.0	100.0	100.0	100.0
d	90.0	90.0	90.0	100.0	100.0	100.0
e ø	5.5	5.5	5.5	6.5	6.5	6.5
f	13.0	13.0	13.0	13.0	13.0	13.0
h	114.0	114.0	114.0	121.0	121.0	121.0
i	19.0	19.0	19.0	20.0	20.0	20.0
k ø	113.5	113.5	113.5	126.0	126.0	126.0
m ø	93.0	93.0	93.0	104.0	104.0	104.0
Cond. mm² min	6.0	6.0	6.0	16.0	16.0	16.0
Cond. mm² max	16.0	16.0	16.0	50.0	50.0	50.0

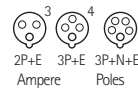
TN CONNECTORS

- Colour: bronze-green RAL 6031-F9
- IEC 60309, EN 60309, VDE 0623, VG 96919
- Protection degree IP67

Connector TE-Plus with Multi-Grip

- Screwless terminals
- Kontex contact
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

(Form DS)



230V
50-60 Hz

400V
50-60 Hz

440V
60 Hz

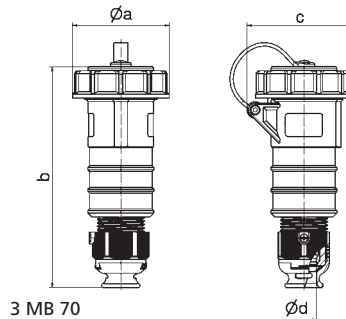
301-500Hz
> 50V

9
each

		Order no.	31162*		310163	
16	3	Supply No. 5935-12-...	312-5516			180
		VG type No. VG 96919...	DS 017		DS 039	
16	4	Order no.	310165	31865	310167	310168
		Supply No. 5935-12-...				
		VG type No. VG 96919...	DS 020	DS 018	DS 021	DS 022
16	5	Order no.	31318*	31150*	31319*	31320*
		Supply No. 5935-12-...		300-3600		
		VG type No. VG 96919...	DS 002	DS 001	DS 003	DS 004
32	3	Order no.	31032			310194
		Supply No. 5935-12-...				
		VG type No. VG 96919...	DS 042			DS 044
32	4	Order no.	310169	31866	310171	310172
		Supply No. 5935-12-...				
		VG type No. VG 96919...	DS 025	DS 023	DS 026	DS 027
32	5	Order no.	31321*	31151*	31322*	31323*
		Supply No. 5935-12-...		300-3597		312-4196
		VG type No. VG 96919...	DS 006	DS 005	DS 007	DS 008



Fig.: Type 3151



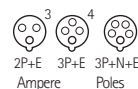
3 MB 70

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a Ø	70.5	78.0	86.5	94.0	94.0	101.5
b	161.0	161.0	168.0	196.0	196.0	200.0
c	77.0	83.0	93.0	99.0	99.0	107.0
d Ø	18.0	18.0	21.0	23.0	23.0	27.0
Cond. mm² min	1.0	1.0	1.0	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6.0	6.0	6.0

Connector with Multi-Grip

- Screw terminals
- High-temperature-resistant contact carrier
- Box terminals
- Kontex contact
- Nickel plated contacts
- Special gland, simultaneous cable gland and seal
- Screwless enclosure connection, self locking
- Protection degree IP67

(Form DS)



230V
50-60 Hz

400V
50-60 Hz

440V
60 Hz

301-500Hz
> 50V

9
each

		Order no.	310058		310177	
63	3	Supply No. 5935-12-...				760
		VG type No. VG 96919...	DS 047		DS 049	
63	4	Order no.	310174	31877	310175	310176
		Supply No. 5935-12-...				
		VG type No. VG 96919...	DS 030	DS 028	DS 031	DS 032
63	5	Order no.	31324*	31152*	31325*	31326*
		Supply No. 5935-12-...		300-5326		
		VG type No. VG 96919...	DS 010	DS 009	DS 011	DS 012
125	3	Order no.	310059			310179
		Supply No. 5935-12-...				
		VG type No. VG 96919...	DS 052			DS 054
125	4	Order no.	310180	310060	310182	310183
		Supply No. 5935-12-...				
		VG type No. VG 96919...	DS 035	DS 033	DS 036	DS 037
125	5	Order no.	31327*	31027*	31328*	31329*
		Supply No. 5935-12-...		322-8597		
		VG type No. VG 96919...	DS 014	DS 013	DS 015	DS 016

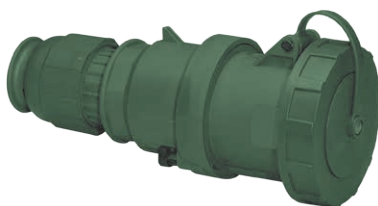
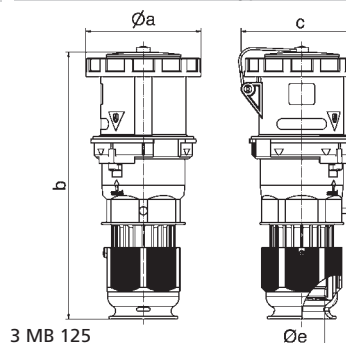


Fig.: Type 31152



3 MB 125

Ampere Poles	63 3	63 4	63 5	125 3	125 4	125 5
a Ø	110.0	110.0	110.0	125.0	125.0	125.0
b	263.0	263.0	263.0	300.0	300.0	300.0
c	113.0	113.0	113.0	128.0	128.0	128.0
d Ø	36.0	36.0	36.0	50.0	50.0	50.0
Cond. mm² min	6.0	6.0	6.0	16.0	16.0	16.0
Cond. mm² max	16.0	16.0	16.0	50.0	50.0	50.0

* Approval according to VG 96919

DOMESTIC PLUGS AND SOCKETS

- Colour: bronze-green RAL 6031-F9
- VDE 0623, VG 96926
- Protection degree IP68

Domestic Panel Mounting Socket Outlet

- Screw terminals
- Nickel plated contacts
- 16A/230 V~
- Flange 75 x 75 mm
- Protection degree IP68

(Form AS)

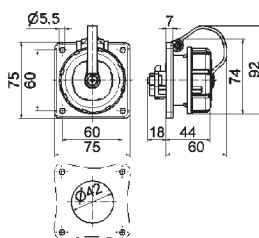


Fig.: Type 7108

18 MB 19

Order no. Supply No. VG type No.
5935-12-... VG 96926...

German system **7108*** 312-5115 AS 001

Belgian/French system **7185**

Domestic Panel Mounting Socket Outlet

- Screw terminals
- Nickel plated contacts
- 16A/230 V~
- Protection degree IP68

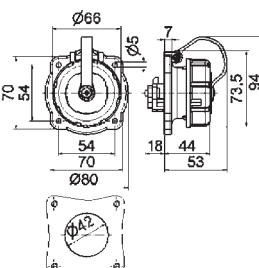


Fig.: Type 7114

18 MB 20

Order no.

German system **7114**

Belgian/French system **71031**

Domestic Panel Mounting Socket Outlet

- Screw terminals
- Nickel plated contacts
- 16A/230 V~
- Protection degree IP68

(Form BS)

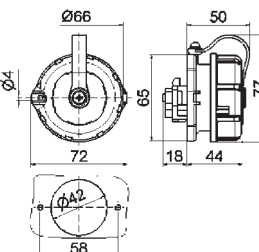


Fig.: Type 7115

18 MB 21

Order no. Supply No. VG type No.
5935-12-... VG 96926...

German System **7115*** 314-4770 BS 001

Belgian/French system **7186**

Domestic Plug

- Screw terminals
- Nickel plated contacts
- 16A/230 V~
- With closure cap
- Protection degree IP68

(Form CP)

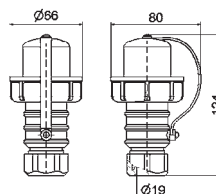


Fig.: Type 735

18 MB 18

Order no. Supply No. VG type No.
5935-12-... VG 96926...

735* 141-3149 CP 001

Domestic Appliance Inlet with Flange

- Screw terminals
- Nickel plated contacts
- 16A/230 V~
- With closure cap
- Flange 75 x 75 mm
- Protection degree IP68

(Form AP)

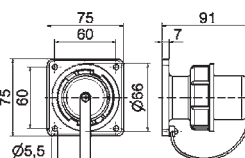


Fig.: Type 753

18 MB 16

Order no. Supply No. VG type No.
5935-12-... VG 96926...

753* 340-7272 AP 001

Domestic Connector

- Screw terminals
- Nickel plated contacts
- 16A/230 V~
- Protection degree IP68

(Form DS)

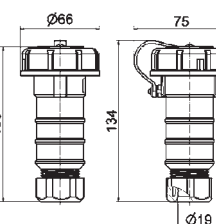


Fig.: Type 745

18 MB 26

Order no. Supply No. VG type No.
5935-12-... VG 96926...

German system **745*** 314-4771 DS 001

Belgian/French system **7424**

* Approval according to VG 96919

DOMESTIC PLUGS AND SOCKETS/ ACCESSORIES

- Colour: bronze-green RAL 6031-F9
- VDE 0623, VG 96926
- Protection degree IP68

Domestic Three-way Connector

- Screw terminals
- Nickel plated contacts
- 16A/230 V~
- With closure cap, hanging bracket, cable gland
- Protection degree IP68

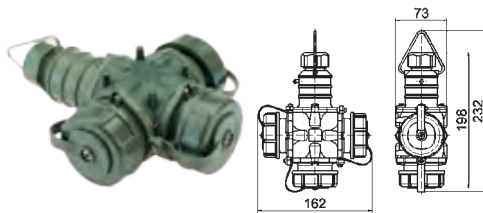


Fig.: Type 7400

18 MB 27

Order no.

German system **7400**

Belgian/French system **7423**

Closure Cap with Strap

- for CEE plugs



Fig.: Type 8337

Ampere/ poles Order no. Supply No. VG type No.
5935-12-... VG 96926...

16A/ 3p **8335**

16A/ 4p **8336**

16A/ 5p **8337**

32A/ 3p, 4p **8338**

32A/ 5p **8339**

63A/ 3p, 4p, 5p **8340**

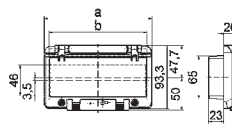
125A/ 3p, 4p, 5p **8341**

Hinged Window

- Self-closing
- With touch protection
- With option for lock set



Fig.: Type 58110

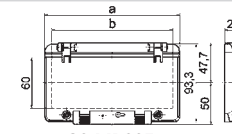


30 MB 096

Module units	Dimension a	Dimension b	Order no.
2	55.0	40.5	580138
4	91.0	76.5	58388
6	127.0	112.5	58590
8	162.0	147.5	58110
12	234.0	220.0	58111
13	257.5	248.5	58387



Fig.: Type 58502



30 MB095

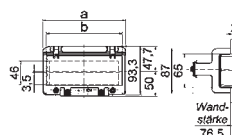
Module units	Dimension a	Dimension b	Order no.
2	55.0	37.0	58511
4	91.0	73.0	580020
6	127.0	109.0	58503
8	162.0	144.5	58502
12	234.0	217.0	58602
13	257.5	240.0	58607

Hinged Window

- Self-closing
- With touch protection
- With option for lock set
- With mounting bracket



Fig.: Type 58143



30 MB 097

Module units	Dimension a	Dimension b	Order no.
2	55.0	40.5	580137
4	91.0	76.5	58517
6	127.0	112.5	580141
8	162.0	147.5	580143
12	234.0	220.0	580144
13	257.5	248.5	580145

In the case of hinged windows for use with DIN screws (order no. 58036), add -GWE to the end of the order number.

Order no. **58037-BE**

Lock set

- Protection against unauthorised use by means of retrofittable lock



Order no. **58036**

DIN screw

- For additional locking device
- Retrofittable



Can only be used in operating windows with order No.-GWE.



IEC

Marking of electric devices is defined in IEC 60079-0 issued in 2004 for explosive gas atmospheres and in IEC 61241-0 issued in 2004 for areas with combustible dusts. In addition to the manufacturer's name or trade mark, type designation, serial number, and the test centre with certificate number, a special coding is required that describes the intended use of the device:

- > Ex-symbol
 - > Symbol of every type of protection that has been applied
- The associated electrical devices that are meant to be installed in the hazardous areas, have to be marked with the symbols for the type of protection in squared brackets, e.g. Ex d[ia] IIC T4.
- > Group II, IIA, IIB or IIC for potentially explosive gas atmospheres
 - > Temperature class for areas with potentially explosive gas atmospheres or max. surface temperature in °C for areas in which combustible dusts may be present.
- Examples:
Ex d e IIC T4
Ex d [ia] IIB T5
Ex mbD T120°C

The types of protection have to clearly show which level they achieve. Some types of protection already contain the appropriate symbol (e.g. ia): With others the letter a, b or c has to be added d -> db

Example:
Ex db eb IIC T4
Ex db [ia] IIB T5

The second variant (called alternate marking in the standard) is preferentially used.

With this standard, groups for areas where potentially explosive dusts may be present have been introduced as well:

IIA: combustible flyings
IIB: non-conductive dust
IIC: conductive dust
Example for marking of dust:
Ex tb IIB T120°C

Europe

In Europe, in addition to the marking according to the standard the requirements pursuant to EC-Directive 94/9/EC (ATEX 95) have to be met as well:

- > Manufacturer's address
 - > Symbol **CE** and the identification number of the notified body
 - > and category 1, 2 or 3, as well as group II and the letter G (gases) or D (dust)
- Example: **Ex** 2 II G

Previously, »Ex« was replaced by »EEEx« in Europe, if the marking was done pursuant to the standard. Reference has thus been made to the European Standards (EN 50014 ff), which differed from the IEC-standards at that time. With the current editions of the standards this is no longer required, thus devices in Europe are only marked »Ex« now as well.

Up until now standards for non-electrical devices have only been developed by CEN in Europe. Such standards do not yet exist on an international level. Marking closely follows the marking of electrical devices.

Exceptions:

- > Ex is not stated, as with ATEX the **Ex**-sign already refers to explosion protection
- > Ignition protection level is not given. Alternative marking is not used either. The equipment protection level has to be defined with the category.

A summary of the topic marking of electrical and non-electrical devices can be found in the enclosure 7.7 and 7.8.

Russia

Marking of explosion-protected electrical equipment is done according to GOST R 51330.0-99 and according to the standards for the individual types of protection.

Marking of explosion protection contains:

- > the level of explosion protection
 - > Ex-symbol
 - > symbol of the types of protections that have been applied
 - > equipment group (I, II or IIA, IIB, IIC)
 - > temperature class
- symbol X, when special conditions have to be observed for safe use or if the product is an Ex-component.

North America

In addition to such data as for example, manufacturer, type, serial number and electrical data, data concerning explosion protection must be included in the marking of the equipment. Specifications are given in NEC, CEC and the respective construction regulations of the test centres.

Class I, II & III, Division 1 and 2

Approved electrical equipment for Class I, Class II and Class III, Division 1 and Division 2 has to be marked with the following data:

1. Class(es), Division(s)
(optional, except for Division 2)
 2. Gas-/dust-group(s)
 3. Operating temperature or temperature class
(optional for T5 and T6)
- Example: Class I Division 1 Groups C D T4

Class I, Zone 0, 1 and 2

For equipment for use in Class I, Zone 0, Zone 1 or Zone 2 a difference is made between »Division Equipment« and »Zone Equipment«.

(1) Division Equipment

Equipment approved for Class I, Division 1 and/or Class I, Division 2 may be marked with the following data:

1. Class I, Zone 1 or Class I, Zone 2
 2. Gas group(s) IIA, IIB or IIC
 3. Temperature class
 4. Types of protection
- Example: Class I Zone 1 d,e IIC T4

(2) Zone Equipment

Equipment complying with several types of protection pursuant to Article 505 of NEC and section 18 of CEC have to be marked as follows:

1. Class (optional in Canada)
 2. Zone (optional in Canada)
 3. Symbol AEx (USA) or Ex or EEx (Canada)
 4. Symbol of the type(s) of protection that have been applied
 5. Group of the electrical equipment II or gas group(s) IIA, IIB or IIC
 6. Temperature class
- Example: Class I Zone 0 AEx ia IIC T6



IP66 through bayonet locks, even while plugged in



Plug with IP66 in every position



100% backwards compatible with the CES series

Type of protection	standard symbol	alternate symbol	Zone	Main application	Standard
 increased safety	e	eb	1	terminal and junction boxes, cage induction motors, light fittings	IEC 60079-7 EN 60079-7
 flameproof enclosures	d	db	1	switchgear, control stations, motors,	IEC 60079-1 EN 60079-1
 pressurized enclosures	px	pxb	1	switchgear and control cabinets, analysers, large motors	IEC 60079-2 / IEC 61241-4 EN 60079-2 / EN 61241-4
	py	pyb	1		
	pz	pzc	2		
	p	pb	21		
	p	pc	22		
 intrinsic safety	ia	ia	0, 20	instrumentation technology, field-bus technology, sensors, actuators	IEC 60079-11 / IEC 61241-11 EN 60079-11 / EN 61241-11
	ib	ib	1, 21		
	ic	ic	2		
 oil immersion	o	ob	1	transformers, starting resistors	IEC 60079-6 EN 60079-6
 powder filling	q	qb	1	sensors, electronic ballasts, electronic devices	IEC 60079-5 EN 60079-5
 encapsulation	ma	ma	0, 20	display units, sensors, electronic devices	IEC 60079-18 / IEC 61241-18 EN 60079-18 / EN 61241-18
	mb	mb	1, 21		
	mc	mc	2, 22		
 type of protection „n“	n	n_c	2	electrical apparatus for Zone 2	IEC 60079-15 EN 60079-15
	n	n_c	2		
 protection by enclosures	ta	ta	20	switchgear and control station, terminal and connection boxes, control boxes, motors, light fittings	IEC 60079-31 / IEC 61241-1 EN 60079-31 / EN 61241-1
	tb	tb	21		
	tc	tc	22		

Marking of electrical equipment



mines		
Group I		Methane
explosive gas atmosphere		
Group II	IIA	Propane
	IIB	Ethylene
	IIC	Hydrogene
explosive dust atmosphere		
Group III	IIIA	combustible flyings
	IIIB	non-conductive dust
	IIIC	conductive dust

Group

Type of protection

ATEX-marking

Ex II 2G Ex db [ia] IIC T6

max. surface temperature

equipment-group I: **mines**; equipment-group II: **other places**

hazardous places	Zone 0	Zone 20	Zone 1	Zone 21	Zone 2	Zone 22	mines
Dangerous explosive atmosphere	continuously or long-term or frequently		likely to occur		not likely to occur or for short period		
equipment category	1G	1D	2G	2D	3G	3D	M1 or M2
EPL* (IEC/EN 60079-0)	Ga	Da	Gb	Db	Gc	Dc	M0 or M0

* when not using the alternate symbols the EPL shall be specified: e.g. Ex d [iaGa] IIC T6 Gb

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explosive gas atmosphere: temperature classes

450 °C	T1
300 °C	T2
200 °C	T3
135 °C	T4
100 °C	T5
85 °C	T6

explosive dust atmosphere: surface temperature

T ... °C (e.g.: T 80 °C)



- Various versions:
Extra-low voltage, 16A
- Large handle, can be locked in position 0 and 1
- German switch position indicator
- Optimal contact by means of self-cleaning laminated contacts
- Low plugging and pulling forces through floating pins



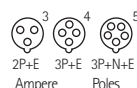
Various versions



- With motor switching capacity AC-3 acc. to IEC/EN 60947-3
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position

Surface Mounting Socket Outlet

- For use in Zone 2 and 22
- Large handle, can be locked in position 0 and 1
- Optimal contact by means of self-cleaning laminated contacts
- Low plugging and pulling forces
- With motor switching capacity AC-3 acc. to IEC/EN 60947-3
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX II 3 G EEx nAC IIC T6 (16A), EX II 3 G EEx nAC IIC T6, T5 (32A)
- Cable entry: 1x M25 & 1x sealing plug M25 (16A), 1x M32 & 1x sealing plug M32 (32A)



110V
50-60 Hz

3pol 4pol 5pol
4h 4h 4h

230V
50-60 Hz

3pol 4pol 5pol
6h 9h 9h

400V
50-60 Hz

3pol 4pol 5pol
9h 6h 6h

500V
50-60 Hz

3pol 4pol 5pol
7h 7h 7h

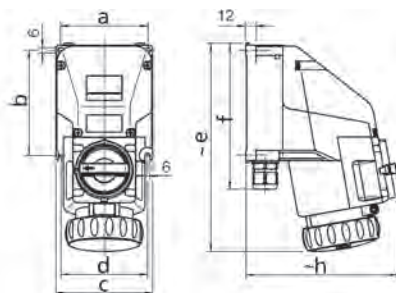


9
each

16	3	160513	1	1120
16	4	160514	1	1350
16	5	160515	1	1450
32	4	160516	1	2000
32	5	160517	1	2200



Bals no. 160517

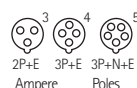


MB 10333E00

Ampere Poles	16 3	16 4	16 5	32 4	32 5
a	94.0	104.0	104.0	124.0	124.0
b	115.0	125.0	125.0	150.0	150.0
c	105.0	115.0	115.0	135.0	135.0
d	93.0	103.0	103.0	123.0	123.0
e	232.0	248.0	248.0	281.0	281.0
f	164.0	174.0	174.0	204.0	204.0
h	168.0	181.0	181.0	207.0	207.0

Surface Mounting Socket Outlet

- For use in Zone 2 and 22
- Large handle, can be locked in position 0 and 1
- Optimal contact by means of self-cleaning laminated contacts
- Low plugging and pulling forces
- With motor switching capacity AC-3 acc. to IEC/EN 60947-3
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX II 3 G EEx nAC IIC T6, T5, T4 (63A)
- Cable entry: 1x M50 & 1x sealing plug M25 (63A)



110V
50-60 Hz

3pol 4pol 5pol
4h 4h 4h

230V
50-60 Hz

3pol 4pol 5pol
6h 9h 9h

400V
50-60 Hz

3pol 4pol 5pol
9h 6h 6h

500V
50-60 Hz

3pol 4pol 5pol
7h 7h 7h

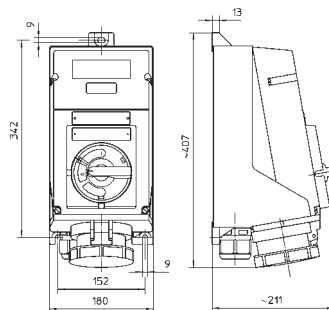


9
each

63	4	160518	1	7900
63	5	160519	1	7800



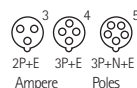
Bals no. 160519



MB 04508E00

Surface Mounting Socket Outlet

- For use in Zone 2 and 22
- Large handle, can be locked in position 0 and 1
- Optimal contact by means of self-cleaning laminated contacts
- Low plugging and pulling forces
- With motor switching capacity AC-3 acc. to IEC/EN 60947-3
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX II 3 G EEx nAC IIC T6, T5 (32 & 125A)
- Cable entry: 1x M63 & 1x sealing plug M25 & 1x M63 (125A)



110V
50-60 Hz

3pol 4pol 5pol
4h 4h 4h

230V
50-60 Hz

3pol 4pol 5pol
6h 9h 9h

400V
50-60 Hz

3pol 4pol 5pol
9h 6h 6h

500V
50-60 Hz

3pol 4pol 5pol
7h 7h 7h

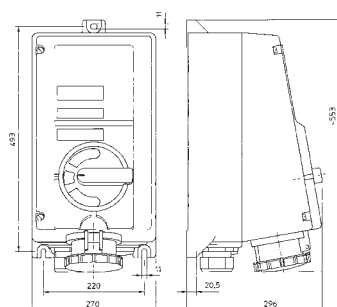


9
each

125	4	160520	1	20.920
125	5	160521	1	22.040



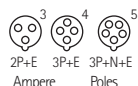
Bals no. 160521



MB 04504E00

Surface Mounting Socket Outlet

- For use in Zone 1 and 21
- Large handle, can be locked in position 0 and 1
- Optimal contact by means of self-cleaning laminated contacts
- Low plugging and pulling forces
- With motor switching capacity AC-3 acc. to IEC/EN 60947-3
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX de IIC T6, with intrinsically safe auxiliary contacts Ex de(ia) IIC T6 - gas explosion protection, EX tD A21 IP66 T80°C - dust explosion protection - 16A, EX de IIC T6 T5, with intr. safe aux. contacts Ex de(ib) IIC T6 T5 - gas explosion protection - 32-125A, EX tD A21 IP66 - dust explosion protection- 32-125A
- Cable entry: 1x M25 & 1x sealing plug M25 (16A), 1x M32 & 1x sealing plug M32 (32A)



110V
50-60 Hz
3pol 4pol 5pol
4h 4h 4h

230V
50-60 Hz
3pol 4pol 5pol
6h 9h 9h

400V
50-60 Hz
3pol 4pol 5pol
9h 6h 6h

500V
50-60 Hz
3pol 4pol 5pol
7h 7h 7h

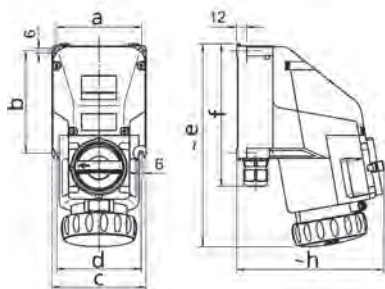


9
each

16	3	160522	1	1120
16	4	160523	1	1350
16	5	160524	1	1450
32	4	160525	1	2000
32	5	160526	1	2200



Bals no. 160526

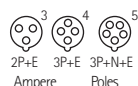


MB 10338E00

Ampere Poles	16 3	16 4	16 5	32 4	32 5
a	94.0	104.0	104.0	124.0	124.0
b	115.0	125.0	125.0	150.0	150.0
c	105.0	115.0	115.0	135.0	135.0
d	93.0	103.0	103.0	123.0	123.0
e	232.0	248.0	248.0	281.0	281.0
f	164.0	174.0	174.0	204.0	204.0
h	168.0	181.0	181.0	207.0	207.0

Surface Mounting Socket Outlet

- For use in Zone 1 and 21
- Large handle, can be locked in position 0 and 1
- Optimal contact by means of self-cleaning laminated contacts
- Low plugging and pulling forces
- With motor switching capacity AC-3 acc. to IEC/EN 60947-3
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX de IIC T6 T5, with intrinsically safe auxiliary contacts Ex de(ia) IIC T6 T5 - gas explosion protection - 32-125A
- Acc. to EX tD A21 IP66 - dust explosion protection - 32 - 125A
- Cable entry: 1x M50 & 1x sealing plug M25 (63A)



110V
50-60 Hz
3pol 4pol 5pol
4h 4h 4h

230V
50-60 Hz
3pol 4pol 5pol
6h 9h 9h

400V
50-60 Hz
3pol 4pol 5pol
9h 6h 6h

500V
50-60 Hz
3pol 4pol 5pol
7h 7h 7h

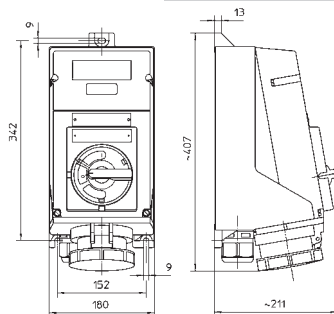


9
each

63	4	160527	1	7800
63	5	160528	1	7800



Bals no. 160528

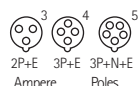


MB 04508E00

Ampere Poles	16 3	16 4	16 5	32 4	32 5
a	94.0	104.0	104.0	124.0	124.0
b	115.0	125.0	125.0	150.0	150.0
c	105.0	115.0	115.0	135.0	135.0
d	93.0	103.0	103.0	123.0	123.0
e	232.0	248.0	248.0	281.0	281.0
f	164.0	174.0	174.0	204.0	204.0
h	168.0	181.0	181.0	207.0	207.0

Surface Mounting Socket Outlet

- For use in Zone 1 and 21
- Large handle, can be locked in position 0 and 1
- Optimal contact by means of self-cleaning laminated contacts
- Low plugging and pulling forces
- With motor switching capacity AC-3 acc. to IEC/EN 60947-3
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX de IIC T6 T5, with intrinsically safe auxiliary contacts Ex de(ia) IIC T6 T5 - gas explosion protection - 32-125A
- Acc. to EX tD A21 IP66 - dust explosion protection - 32 - 125A
- Cable entry: 1x M63 & 1x sealing plug M25 + 1x M63 (125A)



110V
50-60 Hz
3pol 4pol 5pol
4h 4h 4h

230V
50-60 Hz
3pol 4pol 5pol
6h 9h 9h

400V
50-60 Hz
3pol 4pol 5pol
9h 6h 6h

500V
50-60 Hz
3pol 4pol 5pol
7h 7h 7h

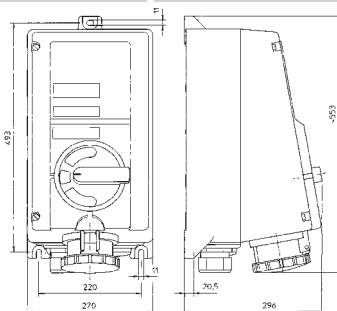


9
each

125	4	160529	1	20.800
125	5	160530	1	21.400



Bals no. 160530



MB 04504E00

Ampere Poles	16 3	16 4	16 5	32 4	32 5
a	94.0	104.0	104.0	124.0	124.0
b	115.0	125.0	125.0	150.0	150.0
c	105.0	115.0	115.0	135.0	135.0
d	93.0	103.0	103.0	123.0	123.0
e	232.0	248.0	248.0	281.0	281.0
f	164.0	174.0	174.0	204.0	204.0
h	168.0	181.0	181.0	207.0	207.0

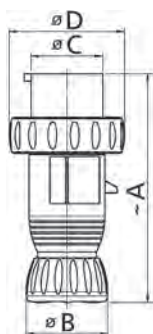
Plug

- For use in Zone 2 and 22
- Low plugging and pulling forces through floating pins
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX II 3 G EEx nAC IIC T6 (16A)
- Acc. to EX II 3 G EEx nAC IIC T6, T5 (32A)
- Temp. -20...+40°C, (-50...+55°C on request)
- Cable diameter 8...20 mm (16A)
- Cable diameter 12...28 mm (32A)

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
3pol 4pol 5pol 4h 4h 4h				3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
16	3			211079			1	310
16	4				211080		1	380
16	5				211081		1	430
32	4				211082		1	500
32	5				211083		1	600



Bals no. 211083



MB 10340E00

Ampere Poles	16 3	16 4	16 5	32 4	32 5
A	176.0	176.0	176.0	204.0	204.0
Ø B	60.0	60.0	60.0	72.0	72.0
Ø C	43.5	49.0	56.5	57.0	63.4
Ø D	76.0	89.0	92.0	99.0	102.0

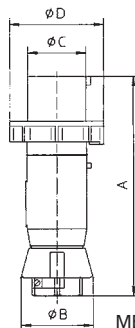
Plug

- For use in Zone 2 and 22
- Low plugging and pulling forces through floating pins
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX II 3 G EEx nAC IIC T6, T5, T4 (63A)
- Acc. to EX II 3 G EEx nAC IIC T6, T5 (125A)
- Temp. -20...+40°C, (-50...+55°C on request)
- Cable diameter 24...36 mm (63A)
- Cable diameter 30...50 mm (125A)

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	Qty	each
3pol 4pol 5pol 4h 4h 4h				3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h		
63	4				211084		1	935
63	5				211085		1	990
125	4				211086		1	1280
125	5				211087		1	1380



Bals no. 211087

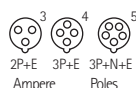


MB 04511E00

Ampere Poles	63 4	63 5	125 4	125 5
A	268.5	268.5	310.5	310.5
Ø B	84.0	84.0	96.0	96.0
Ø C	69.5	69.5	82.0	82.0
Ø D	112.0	112.0	125.0	125.0

Plug

- For use in Zone 1 and 21
- Low plugging and pulling forces through floating pins
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX de IIC T6, with intrinsically safe auxiliary contacts Ex de(ia) IIC T6 - gas explosion protection - 16A.
- Acc. to EX tD A21 IP66 - dust explosion protection - 16A
- Acc. to EX de IIC T6 T5, with intrinsically safe auxiliary contacts Ex de(ia) IIC T6 T5 - gas explosion protection - 32A.
- Acc. to EX tD A21 IP66 - dust explosion protection - 32A
- For temp., see explosion protection details (-50°C on request - with internal lubrication with silicone grease)
- Cable diameter 8...20 mm (16A)/ 12...28 mm (32A)



110V
50-60 Hz
3pol 4pol 5pol
4h 4h 4h

230V
50-60 Hz
3pol 4pol 5pol
6h 9h 9h

400V
50-60 Hz
3pol 4pol 5pol
9h 6h 6h

500V
50-60 Hz
3pol 4pol 5pol
7h 7h 7h

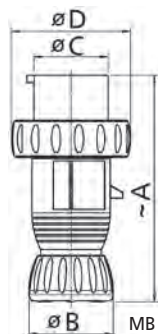


Qty each

16	3	211088	1	420
16	4	211089	1	380
16	5	211090	1	430
32	4	211091	1	500
32	5	211092	1	600



Bals no. 211092

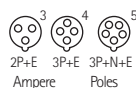


MB 10337E00

Ampere Poles	16 3	16 4	16 5	32 4	32 5
A	176.0	176.0	176.0	204.0	204.0
ø B	60.0	60.0	60.0	72.0	72.0
ø C	43.5	49.0	56.5	57.0	63.4
ø D	76.0	89.0	92.0	99.0	102.0

Plug

- For use in Zone 1 and 21
- Low plugging and pulling forces through floating pins
- Optional auxiliary contacts for control and signalling purposes
- IP66 in any application position
- Acc. to EX de IIC T6 T5, with intrinsically safe auxiliary contacts Ex de(ia) IIC T6 T5 - gas explosion protection - 32-125A.
- Acc. to EX tD A21 IP66 - dust explosion protection - 32 - 125A
- For temp., see explosion protection details (-50°C on request - with internal lubrication with silicone grease)
- Cable diameter 24...36 mm (63A)
- Cable diameter 30...50 mm (125A)



110V
50-60 Hz
3pol 4pol 5pol
4h 4h 4h

230V
50-60 Hz
3pol 4pol 5pol
6h 9h 9h

400V
50-60 Hz
3pol 4pol 5pol
9h 6h 6h

500V
50-60 Hz
3pol 4pol 5pol
7h 7h 7h

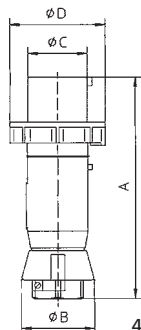


Qty each

63	4	211093	1	880
63	5	211094	1	940
125	4	211095	1	1280
125	5	211096	1	1380



Bals no. 211096



4MB100

Ampere Poles	63 4	63 5	125 4	125 5
A	268.5	268.5	310.5	310.5
ø B	84.0	84.0	96.0	96.0
ø C	69.5	69.5	82.0	82.0
ø D	112.0	112.0	125.0	125.0

- For use in Zone 2 and 22
- 16 A version for extra-low voltages up to 50 V
- Optimal contact by means of self-cleaning laminated contacts
- Protection degree IP66 (IP55 while plugged in)
- Acc. to EX II 3 G EEx nAC IIC T6, T5
- Temp. -20...+40°C, (-50...+55°C on request)
- Cable entry: 1x M25 & 1x sealing plug M25

Ampere	Poles					Qty	each
16	2	41080	41082	41081	1	920	
16	3	41083	41084		1	940	



Technical drawing of the MR 04509E00 component, showing a front view and a side view with dimensions.

Front View Dimensions:

- Overall height: 140
- Top section height: 5,5
- Bottom section width: 65
- Overall width: 80
- Right side offset: 5,5

Side View Dimensions:

- Overall height: ~180
- Bottom width: 110
- Bottom offset: 11

MR 04509E00

- For use in Zone 2 and 22
- 16 A version for extra-low voltages up to 50 V
- Low plugging and pulling forces through floating pins
- Protection degree IP54
- Acc. to EX II 3 G EEx nAC IIC T6, T5
- Temp. -20...+40°C, (-50...+55°C on request)
- Cable diameter 11...21 mm

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz 12h	42V 50-60 Hz 10h	Qty	each
16	2	44074	44076	44075	1	220
16	3	44077	44078		1	230

[illegible]

EX DEVICES FOR ZONE 1, 2 AND 21, 22

■ For occasional hazardous explosive atmospheres

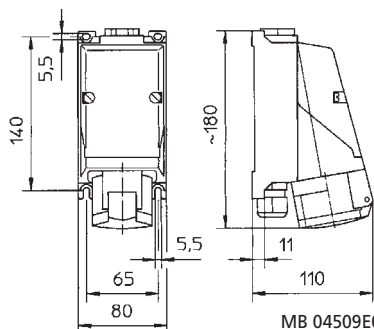
Surface Mounting Socket Outlet - Extra-Low Voltage

- For use in Zone 1 and 21
- 16 A version for extra-low voltages up to 50 V
- Optimal contact by means of self-cleaning laminated contacts
- Protection degree IP54
- Acc. to EX II 2 G Ex de IIC T6
- Temp. -30...+45°C, (-45°C on request - internal lubrication with silicone grease)
- Cable entry: 1x M25 & 1x sealing plug M25

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	bis 50V	Qty	g each
		---	12h	10h		
16	2	41085	41087	41086	1	920
16	3	41088	41089		1	940



Bals no. 41088



MB 04509E00

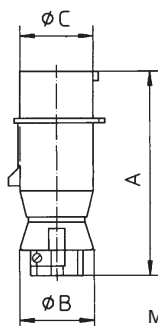
Plug - Extra-Low Voltage

- For use in Zone 1 and 21
- 16A version for extra-low voltages up to 50 V
- Low plugging and pulling forces through floating pins
- Protection degree IP54
- Acc. to EX II 2 G Ex de IIC T6
- Temp. -30...+45°C, (-45°C on request - internal lubrication with silicone grease)
- Cable diameter 11...21 mm

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	bis 50V	Qty	g each
		---	12h	10h		
16	2	44079	44081	44080	1	220
16	3	44082	44083		1	230



Bals no. 44082



MB 04510E00

Ampere	16	16				
Poles	2	3				
A	140.0	140.0				
Ø B	53.0	53.0				
Ø C	42.0	42.0				

Cable Reel

- Zone 1, 2
- Protection degree IP54



Bals no. 8955



Bals no. 8956

16A, 230V, 3p, 6H,
with 30m Proflex cable, 3x2.5mm²

16A, 400V, 5p, 6H,
with 30m Proflex cable, 5x2.5mm²

Bals no.

8955

8956

Socket Distributor

- Zone 1, 2, 21, 22
- Protection degree IP54



Bals no.

On request



Panel Mounting Socket Outlet Quick-Connect

- Screwless terminals
- Kontex contact
- Flange 75 x 75 mm
- Protection degree IP44



Fig.: Type 130274

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol		
			6h	9h	9h	9h	6h	6h		
16	3		130269						10	110
16	4					130270			10	150
16	5					130271			10	170
32	3		130272						10	190
32	4					130273			10	205
32	5					130274			10	225

Panel Mounting Socket Outlet

- Screw terminals
- Flange 107 x 100 mm
- Kontex contact
- Nickel plated contacts
- Box terminals
- Protection degree IP44



Fig.: Type 130276

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol		
			6h	9h	9h	9h	6h	6h		
63	3		130275						5	415
63	5					130276			5	490

Dimension drawing: see page 58/1 (4 MB 8)

Panel Mounting Socket Quick-Connect

- Screwless terminals
- 20° angled
- Kontex contact
- Flange 85 x 85 mm
- Protection degree IP44



Fig.: Type 120441

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol		
			6h	9h	9h	9h	6h	6h		
16	3		120436						10	120
16	4					120437			10	140
16	5					120438			10	145
32	3		120439						10	200
32	4					120440			10	230
32	5					120441			10	265

Dimension drawing: see page 59/3 (4 MB 264)

Plug Quick-Connect

- Screwless terminals
- Screwless enclosure connection, snap-in lock
- Special gland, simultaneous cable gland and seal
- Protection degree IP44



Fig.: Type 210791

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol		
			6h	9h	9h	9h	6h	6h		
16	3		211103						10	
16	4					210916			10	
16	5					211104			10	
32	3		210788						10	
32	4					210747			10	
32	5					210791			10	

Dimension drawing: see page 78/1 (2 MB 99)

Plug TE with Multi-Grip

- Screw terminals
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Enclosure connection with thread and snap-in lock
- Special gland, simultaneous cable gland and seal
- Protection degree IP44



Fig.: Type 210792

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol		
			6h	9h	9h	9h	6h	6h		
63	3		210735						5	535
63	4					211102			5	595
63	5					210792			5	650

Dimension drawing: see page 78/3 (2 MB 158)

Plug TE with Multi-Grip

- Screw terminals
- Box terminals
- High-temperature-resistant contact carrier
- Nickel plated contacts
- Screwless enclosure connection, snap-in lock
- Special gland, simultaneous cable gland and seal
- Protection degree IP67



Fig.: Type 210711

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz			400V 50-60 Hz			Qty	g each
			3pol	4pol	5pol	3pol	4pol	5pol		
			6h	9h	9h	9h	6h	6h		
125	5					210711			5	1235

Dimension drawing: see page 80/1 (2 MB 214)

Appliance Inlet Quick-Connect with Flange

- Screwless terminals
- Kontex contact
- Flange 75 x 75 mm
- Protection degree IP44

Dimension drawing: see page 93/1 (5 MB 85)

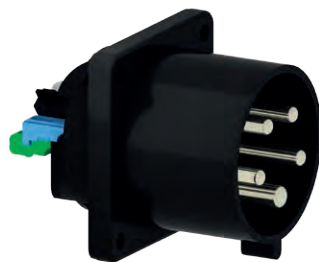


Fig.: Type 28298

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	each
16	3		28312		10	90
16	4			28313	10	105
16	5			28314	10	125
32	3		28315		10	145
32	4			28316	10	165
32	5			28298	10	195

Connector Quick-Connect with Multi-Grip

- Screwless terminals
- Enclosure connection with thread and snap-in lock
- Kontex contact
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Dimension drawing: see page 99/1 (3 MB 65)



Fig.: Type 310517

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	each
16	3		310512		10	
16	4			310607	10	
16	5			310515	10	
32	3		310513		10	
32	4			310489	10	
32	5			310517	10	

Connector with Multi-Grip

- Screw terminals
- Box terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Screwless enclosure connection, snap-in lock
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

Dimension drawing: see page 99/3 (3 MB 107)



Fig.: Type 310518

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	each
63	3		310488		5	590
63	4			310749	5	630
63	5			310518	5	670

Connector with Multi-Grip

- Screw terminals
- Box terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Enclosure connection with thread and snap-in lock
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

Dimension drawing: see page 101/1 (3 MB 69)



Fig.: Type 310466

2P+E Ampere	3P+E Poles	3P+N+E Poles	230V 50-60 Hz	400V 50-60 Hz	Qty	each
125	5			310466	5	1300

Cable Gland Multi-Grip with Additional Strain Relief

In black for plugs and connectors with Multi-Grip cable gland



Fig.: Type

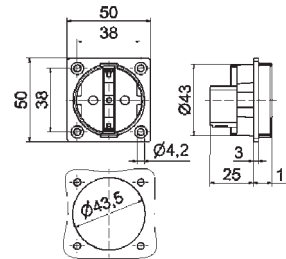
	Order no.
for 16A/ 3p, 4p TE + TE-Plus,	
16A/ 3p, 4p, 5p QC + TLS	29951
for 16A/ 5p TE + TE-Plus	29151
for 32A/ 3p, 4p, 5p TE + TE-Plus	29152
for 63A/ 3p, 4p, 5p TE + TE-Plus	29153
for 125A/ 3p, 4p, 5p TE	29154

Domestic Panel Mounting Socket Outlet

- 16A 230V ~
- Screw terminals
- Nickel plated contacts
- Without hinged lid
- Connection at rear
- Protection degree IP20



Fig.: Type 714



18 MB 1

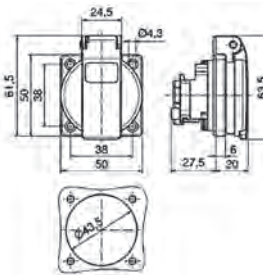
Colour	Order no.	Qty
black	714	20

Domestic Panel Mounting Socket Outlet

- 16A 230V ~
- Screwless terminals
- Nickel plated contacts
- With moulded flange seal
- Flange 50 x 50 mm
- Mounting dimension 38 x 38 mm
- Connection terminal in accordance with BGV A2
- Polyamide 6 contact carrier
- Protection degree IP44



Fig.: Type 71101



18 MB 102

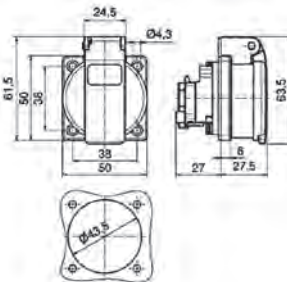
Version	Colour	Order no.	Qty
Quick-Connect	black	71101	20

Domestic Panel Mounting Socket Outlet

- 16A 230V ~
- Screwless terminals
- Nickel plated contacts
- With moulded collar and flange seal
- Flange 50 x 50 mm
- Mounting dimension 38 x 38 mm
- In accordance with DIN/VDE 620/1 for mobile distributor systems
- Protection degree IP54



Fig.: Type 71104



18 MB 104

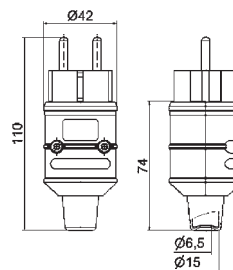
Version	Colour	Order no.	Qty
Quick-Connect	black	71104	20

Domestic Plug

- 16A 230V ~
- Screw terminals
- Nickel plated contacts
- With cable sleeve
- Also suitable for Belgian/French system
- Protection degree IP44



Fig.: Type 7306



18 MB 34

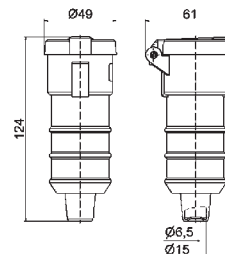
Colour	Order no.	Qty
black	7306	20

Domestic Connector

- 16A 230V ~
- Screw terminals
- Nickel plated contacts
- With self-closing hinged lid and cable sleeve
- Protection degree IP54



Fig.: Type 7428



18 MB 33

Colour	Order no.	Qty
black	7428	20



CAMPING PLUGS AND SOCKETS

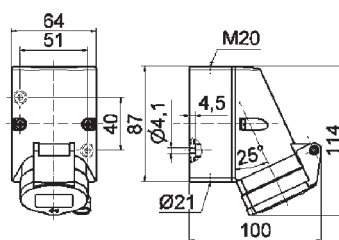
- IEC 60309, EN 60309, VDE 0623
- Enclosure, insert and hinged lid made of high-grade plastic
- Protection degree IP44

Surface Mounting Socket Outlet

- Screw terminals
- 16A 230V 3p
- Lockable using padlock with bar diameter 5 mm
- Protection degree IP44



Fig.: Type 119



1 MB 53

Order no.



119

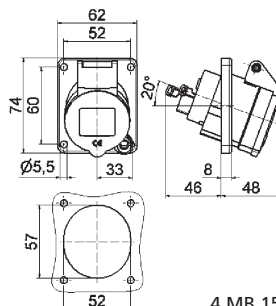
10

Panel Mounting Socket Outlet

- Screwless terminals
- Kontex contact
- 16A 230V 3p
- 20° angled
- Lockable by a padlock shackle diameter 5 mm
- Flange 74 x 62 mm
- Drill hole 60 x 52 mm
- Protection degree IP44



Fig.: Type 12990



4 MB 151

Order no.



12990

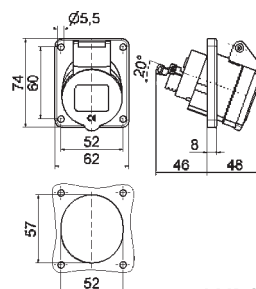
10

Panel Mounting Socket Outlet

- Screwless terminals
- Kontex contact
- 16A 230V 3p
- 20° angled
- Flange 74 x 62 mm
- Drill hole 60 x 52 mm
- Protection degree IP44



Fig.: Type 12772



4 MB 246

Order no.



12772

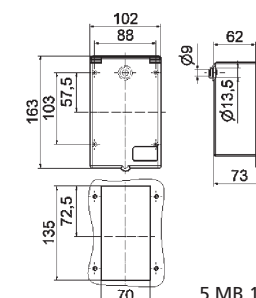
10

Caravan Flush Mounting Inlets

- Screw terminals
- 16A 230V 3p
- Swing-out design
- Protection degree IP44



Fig.: Type 251



5 MB 16

Order no.



251

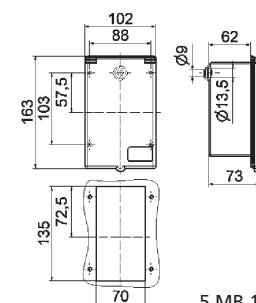
10

Caravan Flush Mounting Inlets

- Screw terminals
- 16A 230V 3p
- Swing-out design
- With rubber seal and frame
- For intermediate installation
- Protection degree IP44



Fig.: Type 254



5 MB 16

Colour Order no.



white

254

10

brown

258

10

black

255

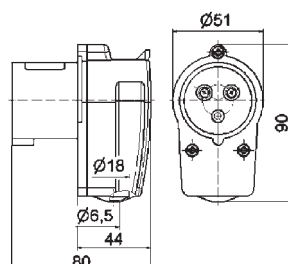
10

Angled Plug

- Screw terminals
- 16A 230V 3p
- With short cable sleeve
- Protection degree IP44



Fig.: Type 231



2 MB 156

Order no.



231

10

CAMPING PLUGS AND SOCKETS

- IEC 60309, EN 60309, VDE 0623
- Enclosure, insert and hinged lid made of high-grade plastic
- Protection degree IP44

Plug

- Screw terminals
- 16A 230V 3p
- With short cable sleeve
- Lockable by a padlock shackle diameter 5 mm
- Protection degree IP44

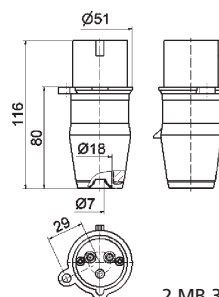


Fig.: Type 219

2 MB 38

Order no.



Qty

219

10

Plug Quick-Connect with Multi-Grip

- Screwless terminals
- Screwless enclosure connection, self locking
- Special gland, simultaneous cable gland and seal
- 16A 230V 3p
- Protection degree IP44

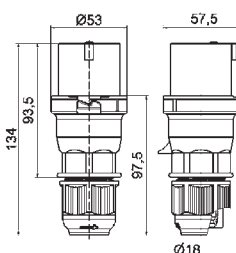


Fig.: Type 2126

2 MB 166

Order no.



Qty

2126

10

Surface Mounting Appliance Inlet

- Screw terminals
- Cable entry 1x at top (open), 1x at bottom (closed)
- 16A 230V 3p
- Protection degree IP44

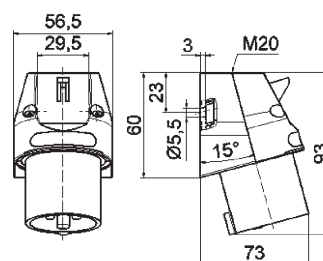


Fig.: Type 240

5 MB 160

Order no.



Qty

240

10

Surface Mounting Appliance Inlet Quick-Connect

- Screwless terminals
- Cable entry 1x at top (open), 1x at bottom (closed)
- 16A 230V 3p
- Protection degree IP44

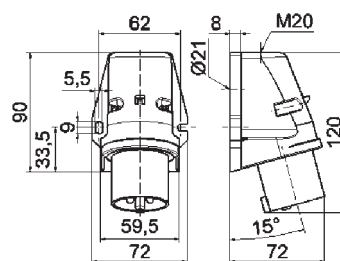


Fig.: Type 24423

5 MB 163

Order no.



Qty

24423

10

Surface Mounting Appliance Inlet

- Screw terminals
- Cable entry 1x at top (open), 1x at bottom (closed)
- 16A 230V 3p
- With self-closing hinged lid
- Protection degree IP44

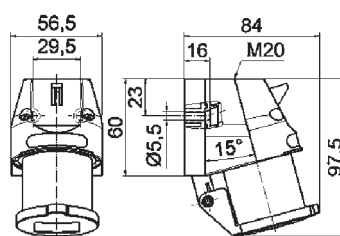


Fig.: Type 242

5 MB 161

Order no.



Qty

242

10

Surface Mounting Appliance Inlet

- Screw terminals
- 16A 230V 3p
- Cable entry 1x at top (open), 1x at bottom (closed)
- With closure cap on a plastic strap
- Protection degree IP44

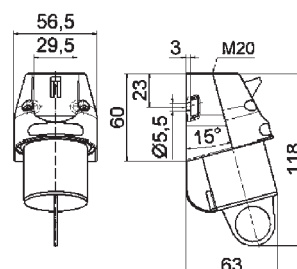


Fig.: Type 2400

5 MB 162

Order no.



Qty

2400

10

CAMPING PLUGS AND SOCKETS

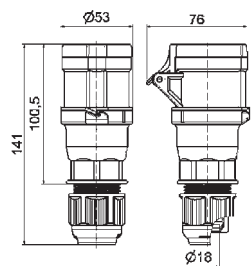
- IEC 60309, EN 60309, VDE 0623
- Enclosure, insert and hinged lid made of high-grade plastic
- Protection degree IP44/ IP54

Connector Quick-Connect with Multi-Grip

- Screwless terminals
- 16A 230V 3p
- Screwless enclosure connection, snap-in lock
- Special gland, simultaneous cable gland and seal
- Protection degree IP44



Fig.: Type 3126



3 MB 110

Order no.



Qty

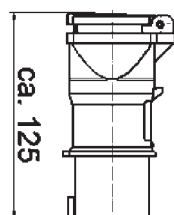
3126 10

Adapter Plug

- Protection degree IP44



Fig.: Type 8615



2 MB 39

Order no.



Qty

CEE plug 16A/230V/3p to Domestic sockets 16A/230V~

8615 10

CEE plug 16A/230V/3p to Domestic sockets 16A/230V~ Belgian/French system (CEE7)

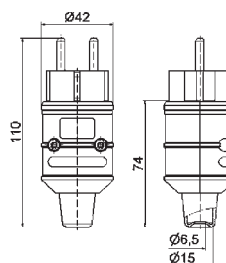
8614 10

Domestic Plug

- 16A 230V~
- With cable sleeve
- With special strain relief
- Nickel plated contacts
- Also suitable for Belgian/French system
- Protection degree IP44



Fig.: Type 7302



18 MB 34

Colour Order no.



Qty

blue 7302 20

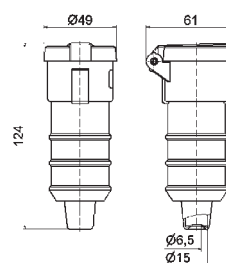
grey 7303 20

Domestic Connector

- Screw terminals
- 16A 250V~
- Nickel plated contacts
- With self-closing hinged lid and cable sleeve
- Protection degree IP54



Fig.: Type 7409



18 MB 33

Colour Order no.



Qty

German system:

blue 7409 20

grey 7410 20

Belgian/French sys-

blue 7415 20

Extension Lead

- Protection degree IP44



Fig.: Type 812

Components

Cable

Length

Order no.



Qty

CEE plug
16A 230V 3p and
CEE connector
16A 230V 3p

H07RN-F3G1,5¹⁾ 10m
H07RN-F3G2,5 10m
H07RN-F3G1,5¹⁾ 15m
H07RN-F3G2,5 15m
H07RN-F3G1,5¹⁾ 20m
H07RN-F3G2,5 20m
H07RN-F3G2,5 1.5m

812 1
813 1
814 1
815 1
816 1
817 1
8178 1

Domestic plug
and connector ¹⁾

¹⁾ Deviating from VDE 0100 Part 708 Section 4

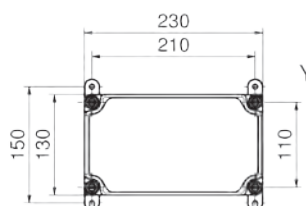
VARIABOX-S

Dimension of enclosure: 130 x 230 mm

- With four Domestic sockets
- 16A 250V ~ (system F - German earthing System)
- 162 mm max. depth with components
- Ready wired for installation
- Cable entry:
Top: 1x M12, 1x M20, 2x M25 open
Bottom: 1x M12, 1x M20, 2x M25



Fig.: Type 89006



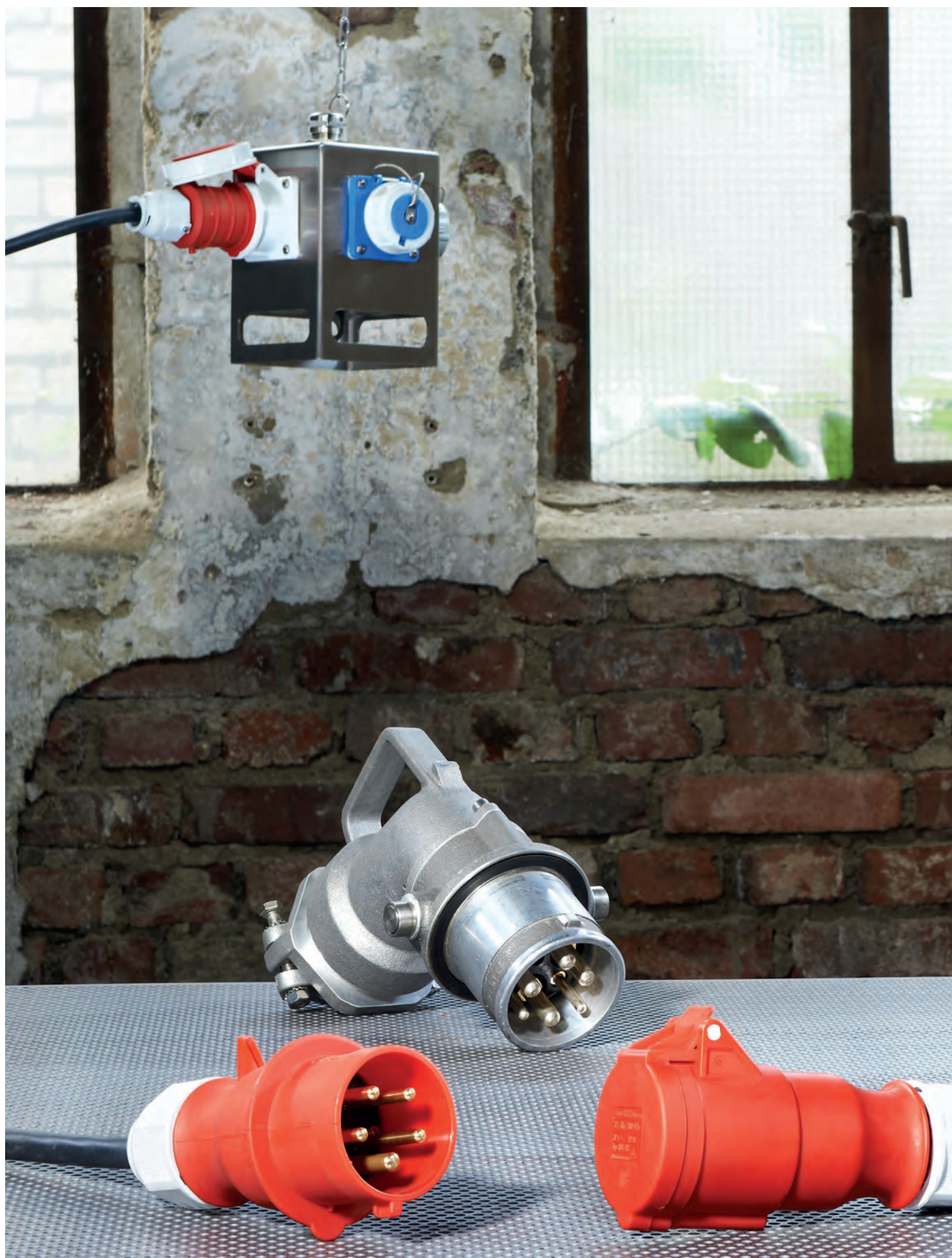
30 MB 208

Order no.



Qty

89006 1





TLS Series

Surface Mounting Socket Outlets



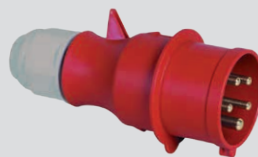
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Panel Mounting Socket Outlets



Pages 214, 215

Plugs



Page 216

Connectors



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E-V-E Distribution Units

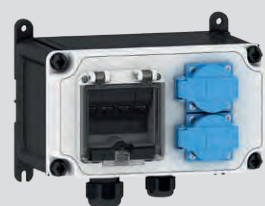
E-V-E Distribution Units



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IT Network Distribution Units

IT Network Distribution Units



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Bollards

Distribution Bollards



Pages 220, 230 - 249

Stainless-Steel Distributors

Varia-Cubes



Page 219

Surface Mounting and Flush Mounting Cabinets



Pages 222 - 225

Power-Port Free-Standing Distributors



Page 226

Rain Shields, Concrete Bases



Page 226

Empty Enclosures

Plastic Enclosures



Page 227

Accessories



Page 228

PLUGS AND SOCKETS with Screw Terminals

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44

Surface Mounting Socket Outlet

- Screw terminals
- Cable entry 1x at top (open) and 1x at bottom (closed)
- Protection degree IP44

		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	g	each
2P+E Ampere	3P+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	
16	3	11897	11765					10	175
16	4	11722	11652	11645	11723			10	220
16	5	11724	11725	100	11726		110129	10	240
32	3	11832	11651					10	275
32	4	11735	11653	11646	11736	11836	110130	10	285
32	5	11737	11738	101	11739			10	310

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	59.5	72.4	72.4	79.1	79.1	79.1
b	90.0	90.0	90.0	92.0	92.0	92.0
c	130.0	130.0	131.0	142.0	142.0	142.0
d	85.0	96.0	98.0	103.0	103.0	106.0
e	62.0	77.0	77.0	84.0	84.0	84.0
f	33.5	33.5	33.5	30.0	30.0	30.0
h	9.0	9.0	9.0	9.0	9.0	9.0
i	5.5	5.5	5.5	5.5	5.5	5.5
k	8.0	9.0	9.0	9.0	9.0	9.0
l ø	21.0	21.0	21.0	21.0	21.0	21.0
m	72.0	87.0	87.0	94.0	94.0	94.0
n	M20	M25	M25	M25	M25	M25
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10



Fig.: Type 101

1 MB 19

Surface Mounting Socket Outlet

- Screw terminals
- Cable entry 1x at top (open), 2x at bottom (closed)
- Base rotatable by 180°
- 4 mounting holes in enclosure base
- Suitable for through wiring with special terminals
- Protection degree IP44

		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	g	each
2P+E Ampere	3P+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	
16	4	11849	11424	11344	11425	11616		10	320
16	5	110054	11375	106	11219		11755	10	335
32	3	1113	1114	1115	11794	11426	11193	10	370
32	4	1116	1117	1118	1119	1120	1121	10	385
32	5	1122	1123	103	11023	11146	11124	10	390

Ampere Poles	16 4	16 5	32 3	32 4	32 5
a	83.0	83.0	83.0	83.0	83.0
b	126.0	126.0	126.0	126.0	126.0
c	153.0	155.0	155.0	155.0	155.0
d	127.0	130.0	130.0	130.0	136.0
e	68.0	68.0	68.0	68.0	68.0
f	11.0	11.0	11.0	11.0	11.0
h ø	5.5	5.5	5.5	5.5	5.5
i	6.5	6.5	6.5	6.5	6.5
k ø	12.0	12.0	12.0	12.0	12.0
l	65.0	65.0	65.0	65.0	65.0
m	80.0	80.0	80.0	80.0	80.0
n ø	10.0	10.0	10.0	10.0	10.0
o	M25	M25	M25	M25	M25
p	2x M25	2x M25	2x M25	2x M25	2x M25
Cond. mm² min	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	10	10	10



Fig.: Type 103

1 MB 2

Panel Mounting Socket Outlet

- Screw terminals
- Flange 75 x 75 mm
- Protection degree IP44

		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	g	each
2P+E Ampere	3P+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	
16	3	13000	13001	13002	13042	13216	13053	10	115
16	4	1322	1323	1324	1325	1326	1327	10	140
16	5	13003	13004	13005	13043	13034	13033	10	155
32	3	13006	13007	13008	13058	13076	13313	10	190
32	4	13009	13010	13011	13012	13013	13014	10	200
32	5	1331	1332	1333	13167	13173	13050	10	205

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	75.0	75.0	75.0	75.0	75.0	75.0
b	75.0	75.0	75.0	75.0	75.0	75.0
c	60.0	60.0	60.0	60.0	60.0	60.0
d	60.0	60.0	60.0	60.0	60.0	60.0
e ø	5.5	5.5	5.5	5.5	5.5	5.5
f	7.0	7.0	7.0	8.0	8.0	8.0
h	17.0	26.0	17.0	36.0	36.0	19.0
i	51.0	53.0	53.0	62.0	62.0	62.0
k	70.0	80.0	85.0	90.0	90.0	98.0
l ø	45.0	45.0	55.0	60.0	60.0	60.0
m	3.5	7.0	11.5	12.0	12.0	17.0
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10



Fig.: Type 1333

4 MB 4

PLUGS AND SOCKETS with Screw Terminals

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44, IP67

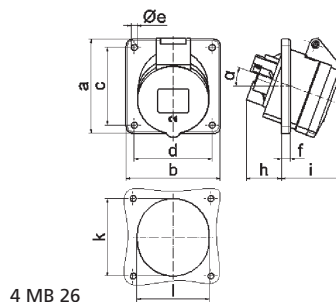
Panel Mounting Socket Outlet

- Screw terminals
- 20° angled
- Flange 85 x 85 mm
- Protection degree IP44



Fig.: Type 12078

 2P+E Ampere	 3P+E Poles	 3P+N+E Poles	 110V 50-60 Hz	 230V 50-60 Hz	 400V 50-60 Hz	 500V 50-60 Hz	 100-300Hz > 50V	 301-500Hz > 50V	 Qty	 g each
16	3		12079	12080	12081	12485	12952	12483	10	125
16	4				12500	12520			10	150
16	5		12076	12077	12078	12491		12484	10	170
32	3		12324	12310					10	205
32	4			12325	12311	12368			10	210
32	5		1213	1214	1215	12369	12217		10	215



4 MB 26

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e ø	5.5	5.5	5.5	5.5	5.5	5.5
f	8.0	8.0	8.0	8.0	8.0	8.0
h	30.0	30.0	30.0	50.0	50.0	34.0
i	48.0	50.0	54.0	63.0	63.0	60.0
k	57.0	65.0	70.0	78.0	78.0	78.0
l	57.0	65.0	70.0	78.0	78.0	78.0
	20°	20°	20°	20°	20°	20°
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

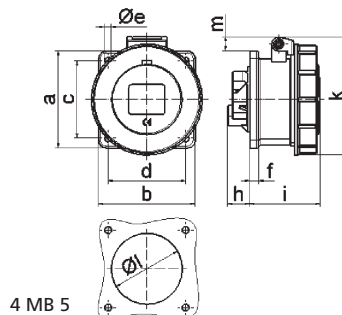
Panel Mounting Socket Outlet

- Screw terminals
- Flange 75 x 75 mm
- Protection degree IP67



Fig.: Type 1370

 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles	 110V 50-60 Hz	 230V 50-60 Hz	 400V 50-60 Hz	 500V 50-60 Hz	 100-300Hz > 50V	 301-500Hz > 50V	 Qty	 g each
			3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
16	3		1371	1372	1373		13265		10	140
16	4		1374	1375	1376	1377	1378	1379	10	165
16	5		1380	1381	1382	13044	13379	13380	10	185
32	3		13023	13024	13025		13264	13432	10	225
32	4		13026	13027	13028	13029	13030	13031	10	240
32	5		1368	1369	1370	13376	13377	13378	10	250



4 MB 5

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	75.0	75.0	75.0	75.0	75.0	75.0
b	75.0	75.0	75.0	75.0	75.0	75.0
c	60.0	60.0	60.0	60.0	60.0	60.0
d	60.0	60.0	60.0	60.0	60.0	60.0
e ø	5.5	5.5	5.5	5.5	5.5	5.5
f	7.0	7.0	7.0	8.0	8.0	8.0
h	17.0	26.0	17.0	36.0	36.0	19.0
i	57.0	58.0	57.0	65.0	65.0	65.0
k	76.0	83.0	93.0	100.0	100.0	106.0
l ø	45.0	45.0	55.0	60.0	60.0	60.0
m	3.5	7.0	11.5	12.0	12.0	17.0
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

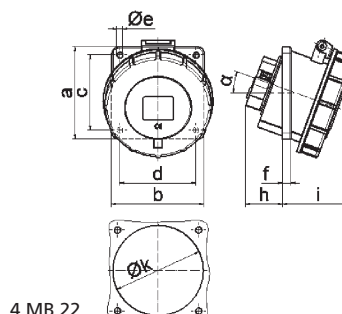
Panel Mounting Socket Outlet

- Screw terminals
- 20° angled
- Flange 85 x 85 mm
- Protection degree IP67



Fig.: Type 12084

 3 2P+E Ampere	 4 3P+E Poles	 5 3P+N+E Poles								9 each
			3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	
16	3			12231					10	160
16	4				12502				10	180
16	5		12082	12083	12084	12717			10	205
32	3		12326	12327					10	260
32	4			12328	12329	12614			10	270
32	5		1262	1263	1264				10	275



4 MB 22

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a	85.0	85.0	85.0	85.0	85.0	85.0
b	85.0	85.0	85.0	85.0	85.0	85.0
c	70.0	70.0	70.0	70.0	70.0	70.0
d	70.0	70.0	70.0	70.0	70.0	70.0
e ø	5.5	5.5	5.5	5.5	5.5	5.5
f	8.0	8.0	8.0	8.0	8.0	8.0
h	30.0	30.0	30.0	50.0	50.0	34.0
i	55.0	57.0	59.0	67.0	67.0	69.0
k	57.0	65.0	70.0	78.0	78.0	78.0
l	57.0	65.0	70.0	78.0	78.0	78.0
	20°	20°	20°	20°	20°	20°
Cond. mm² min	1.5	1.5	1.5	2.5	2.5	2.5
Cond. mm² max	4	4	4	10	10	10

PLUGS AND SOCKETS with Screw Terminals

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44, IP67

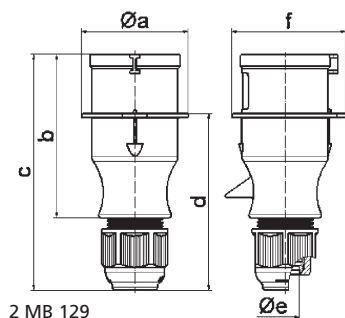
Plug with Multi-Grip

- Screw terminals
- One-piece enclosure
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
			3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
16	3		21000-TLS	21001-TLS	21002-TLS	21071-TLS			10	120
16	4		21003-TLS	21004-TLS	21005-TLS	21006-TLS			10	130
16	5		21009-TLS	21010-TLS	203-TLS	21037-TLS			10	150
32	3		21012-TLS	21013-TLS	21014-TLS	21219-TLS			10	200
32	4		21015-TLS	21016-TLS	21017-TLS	21018-TLS			10	220
32	5		21021-TLS	21022-TLS	204-TLS	21011-TLS			10	250



Fig.: Type 204-TLS



2 MB 129

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a Ø	54.0	60.0	66.0	71.0	71.0	80.0
b	94.5	98.0	101.0	115.0	115.0	119.0
c	138.0	142.0	145.0	170.0	170.0	174.0
d	101.5	105.5	108.5	124.0	124.0	128.0
e Ø	18.0	18.0	18.0	23.0	23.0	23.0
f	56.6	64.0	71.0	76.0	76.0	85.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

Plug with Multi-Grip

- Screw terminals
- Nickel plated contacts
- One-piece enclosure
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

2P+E Ampere	3P+E Poles	3P+N+E Poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V	Qty	g each
			3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h		
16	3		210575	210576	210577				10	155
16	4		210581	210582	210583	210584			10	170
16	5		210587	210588	210589				10	170
32	3		210593	210594	210595				10	243
32	4		210599	210600	210601				10	255
32	5		210606	210606	210607				10	305

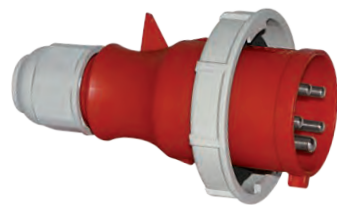
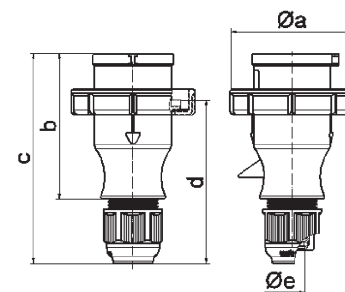


Fig.: Type 210589



2 MB 130

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a Ø	70.0	78.0	86.0	94.0	94.0	101.0
b	94.5	98.0	101.0	115.0	115.0	119.0
c	138.0	142.0	145.0	170.0	170.0	174.0
d	105.5	109.5	112.5	128.0	128.0	132.0
e Ø	18.0	18.0	18.0	23.0	23.0	23.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

PLUGS AND SOCKETS with Screw Terminals

- IEC 60309-1/2, EN 60309, VDE 0623
- Protection degree IP44, IP67

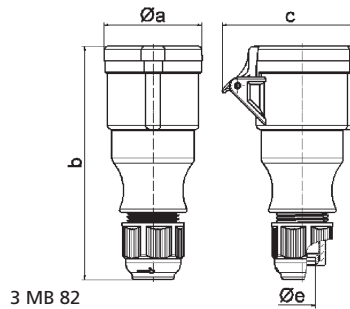
Connector with Multi-Grip

- Screw terminals
- One-piece enclosure
- Special gland, simultaneous cable gland and seal
- Protection degree IP44

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
16	3			31000-TLS	31001-TLS	31002-TLS	31210-TLS			10	140
16	4			31003-TLS	31004-TLS	31005-TLS	31006-TLS			10	160
16	5			31009-TLS	31010-TLS	303-TLS	31031-TLS			10	180
32	3			31012-TLS	31013-TLS	31014-TLS	31491-TLS			10	240
32	4			31015-TLS	31016-TLS	31017-TLS	31018-TLS			10	250
32	5			31021-TLS	31022-TLS	304-TLS	31023-TLS			10	260



Fig.: Type 304-TLS



3 MB 82

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a Ø	51.0	58.0	65.0	67.0	67.0	73.0
b	145.0	148.0	156.0	185.0	185.0	185.0
c	74.0	84.0	90.0	94.0	94.0	102.0
e Ø	18.0	18.0	18.0	23.0	23.0	23.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6

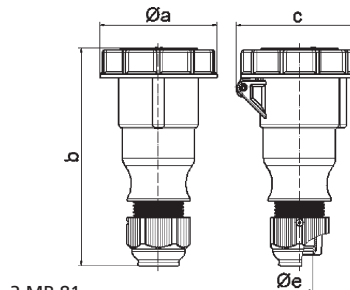
Connector with Multi-Grip

- Screw terminals
- Nickel plated contacts
- One-piece enclosure
- Special gland, simultaneous cable gland and seal
- Protection degree IP67

	3	4	5	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		g
	2P+E Ampere	3P+E Poles	3P+N+E Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	each
16	3			310331	310333	310334				10	175
16	4			310338	310339	310340				10	200
16	5			310344	310345	310346				10	220
32	3			310350	310351	310352				10	305
32	4			310356	310357	310358				10	315
32	5			310362	310363	310364				10	360

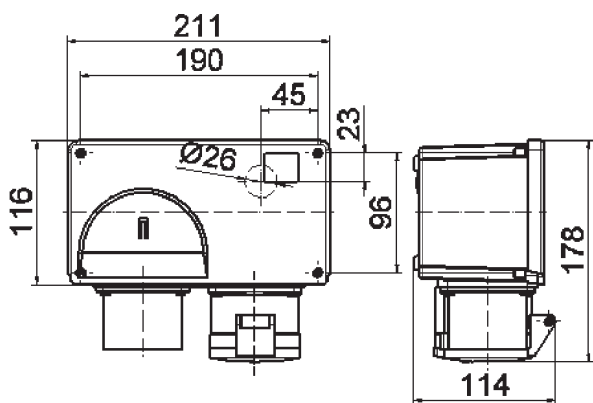


Fig.: Type 310346



3 MB 81

Ampere Poles	16 3	16 4	16 5	32 3	32 4	32 5
a Ø	70.5	78.0	86.5	94.0	94.0	101.5
b	154.0	155.0	160.0	190.0	190.0	190.0
c	77.0	83.0	93.0	99.0	99.0	107.0
e Ø	18.0	18.0	18.0	23.0	23.0	23.0
Cond. mm² min	1	1	1	2.5	2.5	2.5
Cond. mm² max	2.5	2.5	2.5	6	6	6



30 MB 173

- Dimension of enclosure: 211 x 116 mm
- Ready wired for installation
- Enclosure made of high-grade, impact-resistant plastic
- Small, compact design
- Variable configuration

Order no. **591**

Components:

1 CEE socket 16A, 400V, 5p

Cable entry:

1 CEE inlet 16A, 400V, 5p



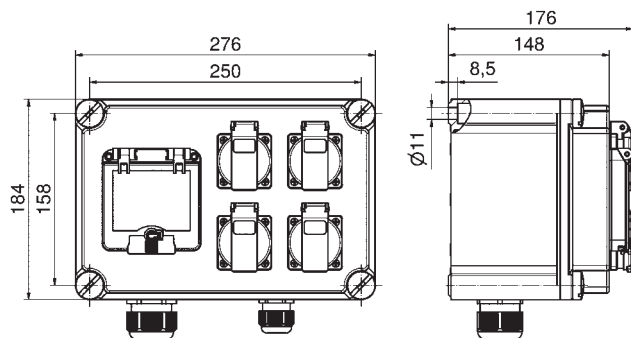
Order no. **592**

Components:

1 CEE socket 32A, 400V, 5p

Cable entry:

1 CEE inlet 32A, 400V, 5p



30 MB 229

- Dimension of enclosure: 276 x 184 mm
- Ready wired for installation
- Enclosure made of high-grade, impact-resistant plastic
- Window
 - lockable
 - with protection against accidental contact and label field
 - with locking function for orderly cable routing

VARIABOX -S
by BSH

Order no. **893059**

Components:

8 RJ45 Cat. 6 socket inserts 8-pole shielded under transparent window

Cable entry:

2 x M32 with
Multiple sealing insert 4 x 8 mm



VARIABOX -S
by BSH

Order no. **893058**

Components:

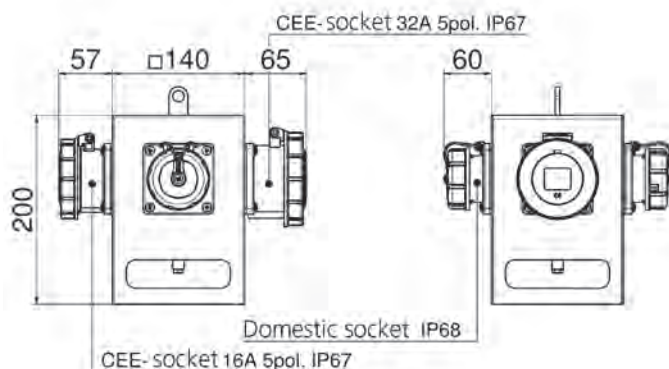
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
4 RJ45 Cat. 6 socket inserts 8-pole shielded under transparent window

Cable entry:

1 x M20
1 x M32 with
Multiple sealing insert 4 x 8 mm



- Ready wired for installation
- Protection degree IP44, IP54, IP67



- Dimension of enclosure: 140 x 140 mm
- Enclosure made of high-quality V4A stainless steel
- Brushed surface
- Suitable for food industry and hygienic areas
- Easy-to-clean surface
- With hanging clips and recessed handles

45 MB 53



Order no. **573358**

Components:

4 Domestic sockets 16A, 230V, IP54
(system F - German earthing System)

Cable entry:

1x M32 cable gland (V4A)
incl. reducer seal M25

Ready wired for installation on
clamping ring



Order no. **573396**

Components:

4 Domestic sockets 16A, 230V, IP67
(system F - German earthing System)

Cable entry:

1x M32 cable gland (V4A)
incl. reducer seal M25

Ready wired for installation on
clamping ring



Order no. **573518**

Components:

3 Domestic sockets 16A, 230V, IP54
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p, IP54

Cable entry:

1x M32 cable gland (V4A)
incl. reducer seal M25

Ready wired for installation on
clamping ring



Order no. **573210**

Components:

3 Domestic sockets 16A, 230V, IP67
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p, IP67

Cable entry:

1x M32 cable gland (V4A)
incl. reducer seal M25

Ready wired for installation on
clamping ring



Order no. **573512**

Components:

2 Domestic sockets 16A, 230V, IP54
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p, IP54
1 CEE socket 32A, 400V, 5p, IP54

Cable entry:

1x M32 cable gland (V4A)
incl. reducer seal M25

Ready wired for installation on
2 separate circuits (16A/32A)



Order no. **573209**

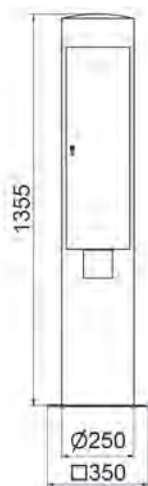
Components:

2 Domestic sockets 16A, 230V, IP67
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p, IP67
1 CEE socket 32A, 400V, 5p, IP67

Cable entry:

1x M32 cable gland (V4A)
incl. reducer seal M25

Ready wired for installation on
2 separate circuits (16A/32A)



45 MB 76

- Dimension of enclosure: 1355 x 250 mm
- Made of robust, hot-dip galvanised steel enclosure
- Ideal for safe energy distribution outdoors
- Vandal-proof owing to internally hinged door
- Lockable door with cylinder lock
- Cable outlet in door allows locking in connected state
- Safe protection of fuse elements behind operating window
- Suitable for base mounting
- RAL 7016; other colours possible on request
- Concrete base: see page 260

Order no. **561090****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 40/0.03A, 4p

Connection option:

for 2 cables up to 5 x 25 mm²

Order no. **562372****Components:**

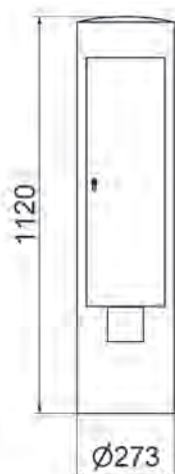
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 RCCB 40/0.03A, 4p

Connection option:

for 2 cables up to 5 x 25 mm²



45 MB 74

- Dimension of enclosure: 1120 x 273 mm
- Protection degree IP44
- Made of robust, hot-dip galvanised steel enclosure
- Ideal for safe energy distribution outdoors
- Vandal-proof owing to internally hinged door
- Lockable door with cylinder lock
- Cable outlet in door allows locking in connected state
- Suitable for base mounting
- RAL 7016; other colours possible on request
- Concrete base: see page 260

Order no. **562389****Components:**

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry:

2x M40

Connection option:

for 2 cables up to 5 x 25 mm²

Order no. **562390****Components:**

3 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:

3 C-type MCBs 16A, 1p
1 RCCB 40/0.03A, 4p

Cable entry:

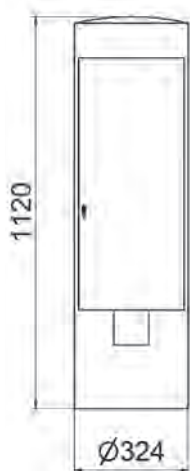
2x M40

Connection option:

for 1 cable up to 5 x 10 mm²

Distribution Bollards

- Ready wired for installation
- Protection degree IP44



45 MB 73

- Dimension of enclosure: 1120 x 324 mm
- Protection degree IP44
- Made of robust, hot-dip galvanised steel enclosure
- Ideal for safe energy distribution outdoors
- Vandal-proof owing to internally hinged door
- Lockable door with cylinder lock
- Cable outlet in door allows locking in connected state
- Suitable for base mounting
- RAL 7016; other colours possible on request
- Concrete base: see page 260



Order no. **562391**

Components:

- 2 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry:

2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **562392**

Components:

- 2 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p

Protection:

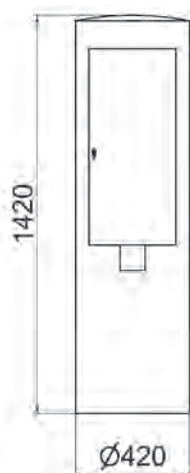
- 2 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry:

2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



45 MB 75

- Dimension of enclosure: 1420 x 420 mm
- Protection degree IP44
- Made of robust, hot-dip galvanised steel enclosure
- Ideal for safe energy distribution outdoors
- Vandal-proof owing to internally hinged door
- Lockable door with cylinder lock
- Cable outlet in door allows locking in connected state
- Suitable for base mounting
- RAL 7016; other colours possible on request
- Concrete base: see page 260



Order no. **562366**

Components:

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

Protection:

- 4 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 C-type MCB 63A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry:

2x M50

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **562393**

Components:

- 4 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 4 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

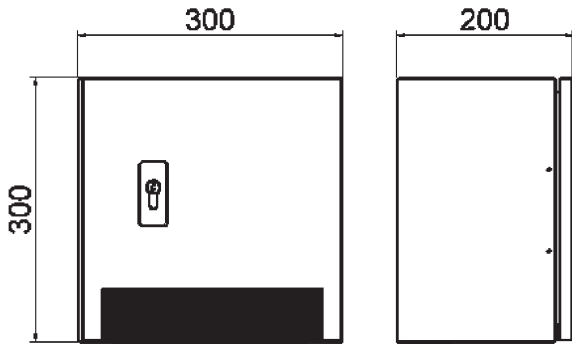
Cable entry:

2x M40

Connection option:

for 2 cable up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44



45 MB 50

- Dimension of enclosure: 300 x 300 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Wall mounting brackets, supplied loose
- Brush seal prevents dirt and dust from entering when door is closed
- Lockable in connected state
- Outgoing cables can be guided out through brush-sealed opening on front side
- Easy access to operating elements



Order no. **560967**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry at bottom:

1x M20, 1x M25, 1x M32

Connection option:

for 1 cable 3 x 4 mm² and
1 cable 5 x 4 mm²



Order no. **560508**

Components:

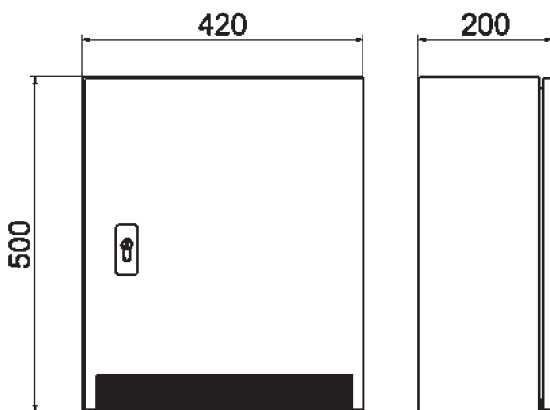
1 Domestic socket 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Cable entry at bottom:

1x M20, 1x M25, 1x M32

Connection option:

for 1 cable 3 x 4 mm²,
1 cable 5 x 4 mm² and
1 cable 5 x 6 mm²



45 MB 17

- Dimension of enclosure: 500 x 420 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Wall mounting brackets, supplied loose
- Brush seal prevents dirt and dust from entering when door is closed
- Lockable in connected state
- Outgoing cables can be guided out through brush-sealed opening on front side
- Easy access to operating elements



Order no. **560384**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:

1x M25, 1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **562373**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 RCCB 40/0.03A, 4p

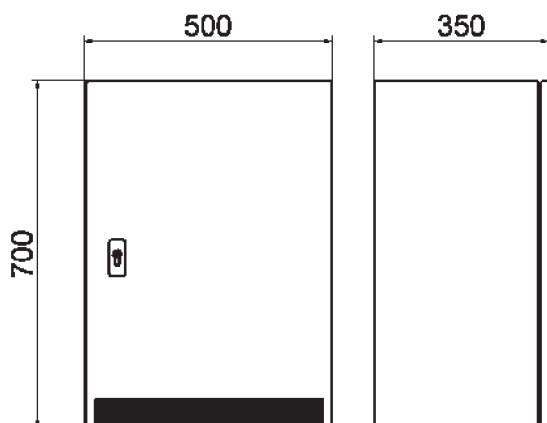
Cable entry at bottom:

1x M25, 1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44



45 MB 45

- Dimension of enclosure: 700 x 500 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Wall mounting brackets, supplied loose
- Brush seal prevents dirt and dust from entering when door is closed
- Lockable in connected state
- Outgoing cables can be guided out through brush-sealed opening on front side
- Easy access to operating elements



Order no. **562374**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 C-type MCB 63A, 3p
2 RCCB 63/0.03A, 4p
2 fuse bases D02, 3p

Cable entry at bottom:
2x M63

Connection option:
for 2 cables up to 5 x 50 mm²



Order no. **562377**

Components:

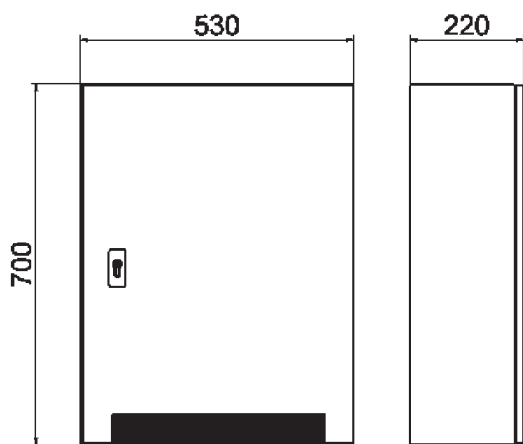
4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:
1x M40, 1x M50, 1x M63

Connection option:
for 2 cables up to 5 x 25 mm²



45 MB 29

- Dimension of enclosure: 700 x 530 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Wall mounting brackets, supplied loose
- Brush seal prevents dirt and dust from entering when door is closed
- Lockable in connected state
- Outgoing cables can be guided out through brush-sealed opening on front side
- Easy access to operating elements



Order no. **561449**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:
1x M32, 1x M40, 1x M50

Connection option:
for 2 cables up to 5 x 25 mm²



Order no. **562306**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

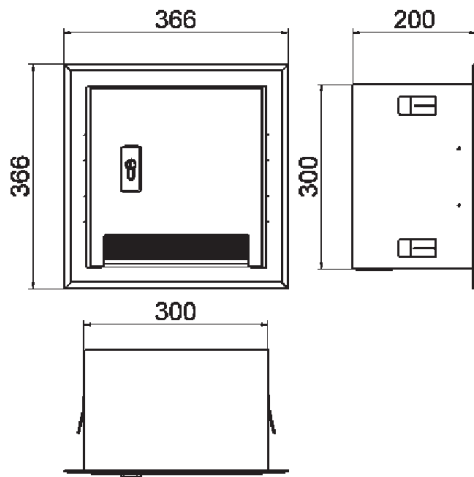
Protection:

4 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:
1x M32, 1x M40, 1x M50

Connection option:
for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44



45 MB 51

- Dimension of enclosure: 300 x 300 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Flush-mount adapter frame
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Door lockable in connected state
- Easy access to operating elements



Order no. **560509**

Components:

- 1 Domestic socket 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Cable entry at bottom:

1x M20, 1x M25, 1x M32

Connection option:

for 1 cable up to 3 x 4 mm²,
1 cable up to 5 x 4 mm²
and 1 cable up to 5 x 6 mm²



Order no. **560965**

Components:

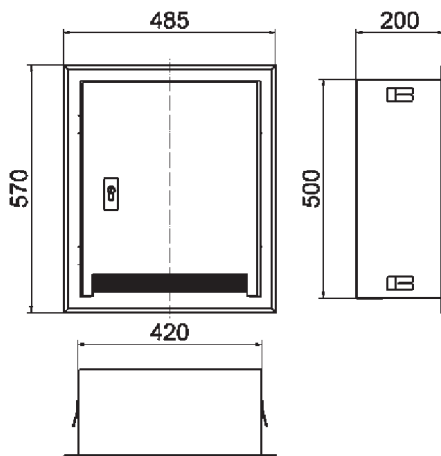
- 2 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p

Cable entry at bottom:

1x M20, 1x M25, 1x M32

Connection option:

for 1 cable up to 5 x 6 mm²



45 MB 21

- Dimension of enclosure: 500 x 420 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Flush-mount adapter frame
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Door lockable in connected state
- Easy access to operating elements



Order no. **561844**

Components:

- 2 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at bottom:

1x M25, 1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **562379**

Components:

- 2 Domestic sockets 16A, 230V ~ (system F - German earthing System)
- 2 CEE sockets 16A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry at bottom:

1x M25, 1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²

- Ready wired for installation
- Protection degree IP44



45 MB 68

- Dimension of enclosure: 500 x 220 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Flush-mount adapter frame
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Door lockable in connected state
- Easy access to operating elements



Order no. **561872**

Components:

1 Domestic socket 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:

1 C-type MCB 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at bottom:

1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **562378**

Components:

1 Domestic socket 16A, 230V ~
(system F - German earthing System)
1 CEE socket 32A, 400V, 5p

Protection:

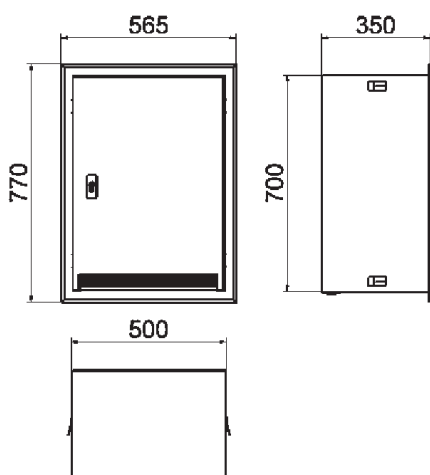
1 C-type MCB 16A, 1p
1 C-type MCB 32A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at bottom:

1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²



45 MB 46

- Dimension of enclosure: 700 x 500 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Flush-mount adapter frame
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Door lockable in connected state
- Easy access to operating elements



Order no. **562380**

Components:

2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:

1x M40, 1x M50, 1x M63

Connection option:

for 2 cables up to 5 x 25 mm²



Order no. **562376**

Components:

4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:

1x M40, 1x M50, 1x M63

Connection option:

for 2 cables up to 5 x 25 mm²

Power-Port Free-Standing Distributor without door



45 MB 59

- Dimension of enclosure: 1300 x 350 x 275 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Mounting plate for fitting Bals enclosures
- Moveable panel for concealing cables
- Base plate suitable for pedestal mounting
- Available in different colours (optional)

Order no. **580589**

Power-Port Free-Standing Distributor with door



45 MB 55

- Dimension of enclosure: 1300 x 350 x 415 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder, internal hinges
- Mounting plate for fitting Bals enclosures
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Moveable panel for concealing cable
- Base plate suitable for pedestal mounting
- Available in different colours (optional)

Order no. **580508**

Protective Rain Canopy

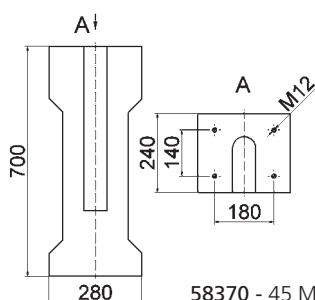
- Enclosure made of high-quality V2A stainless steel
- With side panels
- Brushed surface
- Mounting plate for fitting VARIABOXES
- Available in RAL colours (optional)



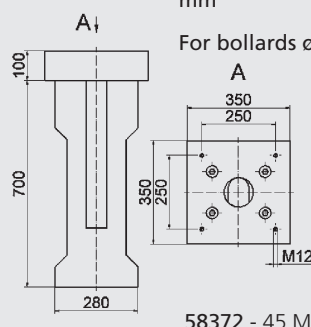
Dimensions (mm)	for VARIABOX	Order no.
545x286x328	S, M, L	580511
792x286x328	XL, XXL	580529
662x516x328	L DUO, XL DUO	580521

Concrete Bases

- For ground/floor attachment



58370 - 45 MB 24



For Power Ports and bollards $\varnothing$ 273 mm and $\varnothing$ 324 mm

For bollards $\varnothing$ 250 mm

58372 - 45 MB 26

Order no.

58370

58372

Distributor Enclosure

- Made of high-grade, impact-resistant plastic
- Cover screws made of plastic

Metric cable entry on request.

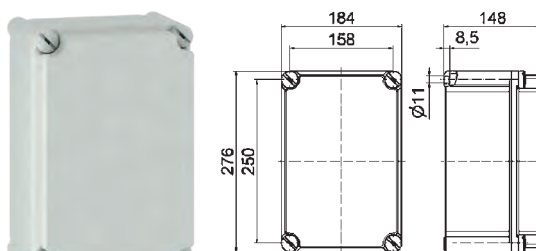


Fig.: Type 61133

30 MB 121

Order number

61133

Distributor Enclosure

- Made of high-grade, impact-resistant plastic
- Cover screws made of plastic

Metric cable entry on request.

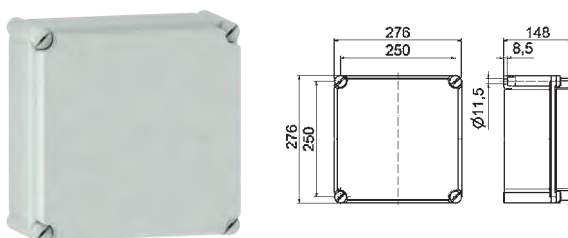


Fig.: Type 61134

30 MB 122

Order number

61134

Distributor Enclosure

- Made of high-grade, impact-resistant plastic
- With transparent hinged window
- 9 modules
- Cover screws made of plastic
- DIN rail

Metric cable entry on request.

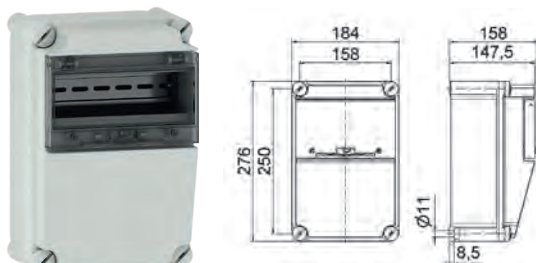


Fig.: Type 61402

30 MB 145

Order number

61402

Distributor Enclosure

- Made of high-grade, impact-resistant plastic
- Cover screws made of plastic

Metric cable entry on request.

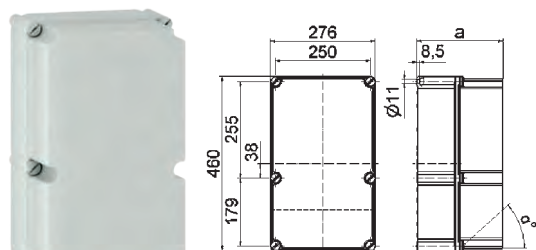


Fig.: Type 6170

30 MB 98

α	a	Order number
0°	148	6171
0°	228	6170
25°	228	6173
42°	228	6172

Mounting plate **58040**

Distributor Enclosure

- Made of high-grade, impact-resistant plastic
- Cover screws made of plastic

Metric cable entry on request.

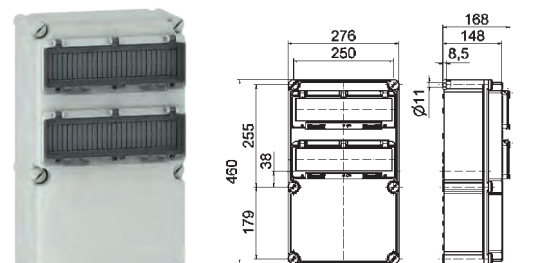


Fig.: Type 61101

30 MB 137

Order number

61101

2 hinged windows for every 13 modules on top-hat rail

61128

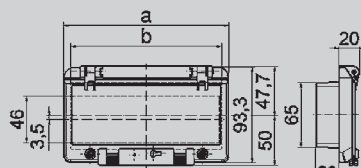
3 hinged windows for every 13 modules on top-hat rail

Mounting plate

58040

Hinged Window

- Self-closing
- With protection against accidental contact



30 MB 96



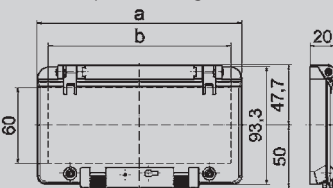
Fig.: Type 58009

Module unit	Dimension a	Dimension b	Order number
2	55.0	40.5	5881
4	91.0	76.5	5890
6	127.0	112.5	5899
8	162.0	147.5	58009
12	234.0	220.0	58018
13	257.5	248.5	58027

In the case of hinged windows for use with DIN screws (order No. 58036), add -GWE to the end of the order number.

Hinged Window

- Self-closing
- Without protection against accidental contact



30 MB 95



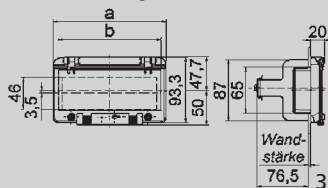
Fig.: Type 58010

Module unit	Dimension a	Dimension b	Order number
2	55.0	37.0	5882
4	91.0	73.0	5891
6	127.0	109.0	58001
8	162.0	144.5	58010
12	234.0	217.0	58019
13	257.5	240.0	58028

In the case of hinged windows for use with DIN screws (order No. 58036), add -GWE to the end of the order number.

Hinged Window

- Self-closing
- With protection against accidental contact and mounting bracket



30 MB 97



Fig.: Type 58013

Module unit	Dimension a	Dimension b	Order number
2	55.0	40.5	5885
4	91.0	76.5	5894
6	127.0	112.5	58004
8	162.0	147.5	58013
12	234.0	220.0	58022
13	257.5	248.5	58031

In the case of hinged windows for use with DIN screws (order No. 58036), add -GWE to the end of the order number.

Lock Set

- Protection against unauthorised use by means of retrofitable lock
- Can be installed in hinged window



Fig.: Type 58037-BE

Order number

58037-BE**DIN Screws**

- For additional locking device
- Retrofittable



Fig.: Type 58036

Can only be used in operating windows with order No.-GWE.

Order number

58036



WE OFFER APPRENTICESHIPS IN THE FOLLOWING PROFESSIONS:

- Industrial business manager
- Technical product designer
Machine and plant engineering
- Specialist for warehouse logistics
- Toolmaker
Mould engineering
- Process technician for plastic and rubber technology
Moulded parts
- Cutting machine operator
- Electronic engineer
Operations technology

You can find information about our apprenticeships on our website!

GENERAL TERMS AND CONDITIONS OF BUSINESS, SALE AND DELIVERY

Bals Elektrotechnik GmbH & Co. KG

1. Scope of applicability, master agreement, contract conclusion

- 1.1 The following Terms and Conditions shall apply exclusively for our deliveries and services to entrepreneurs (§ 14 of the German Civil Code (BGB)). Any purchasing terms and conditions to the contrary are not legally enforceable, even if we do not explicitly reject them. By placing an order and/or accepting the delivery thereof, the buyer acknowledges acceptance of our terms and conditions.
- 1.2 An order becomes binding for us once we have issued a written confirmation or upon having begun to fulfil the order. All agreements concluded between us and the ordering party for the purpose of performance of this contract are recorded in writing in this contract.
- 1.3 The following terms and conditions apply to existing business relationships as well as to future business dealings which do not specifically make reference to them.

2. Offers, cost estimates, prices and the reserved right to make price changes

- 2.1 Our offers, as well as the prices and delivery options stated in our catalogues, printed materials, letters, etc. are subject to change without notice; cost estimates are non-binding.
- 2.2 All orders shall only be accepted on the basis of prices valid at the time of order placement. Our prices are understood to be in euro, ex works, exclusive of the respective VAT, and excluding freight, customs duty, additional import fees, packaging and insurance, which may possibly have to be charged separately.
- 2.3 With respect to all orders – including call-off orders and multiple delivery contracts – for which the delivery, as provided for in the contract or at the request of the ordering party, takes place later than four months after order placement, we are authorised within the scope of the order and as compensation to pass along to the ordering party any material and labour price increases occurring between contract conclusion and actual delivery.
- 2.4 For new orders (including follow-up orders), we are not obligated to any previous prices.

3. Commercial and intellectual property rights

- 3.1 The sales documents made available by the selling party – such as drafts, drawings, advertising and video material – shall still remain property of the selling party even if proportional costs have been remunerated for this purpose by the buyer.
- 3.2 The selling party unrestrictedly reserves all of his commercial rights, intellectual property rights and exploitation rights to cost estimates, drawings and other documents (hereinafter referred to as: Documents). The documents may only be made accessible to third parties upon the prior consent of the selling party, and must be – in the event that the order is not issued to the selling party – promptly returned to the selling party at his request. Clauses 1 and 2 apply correspondingly to documents of the buyer; these may however be made accessible to those third parties whom the selling party has permissibly commissioned to carry out deliveries.

4. Shipping, costs, transfer of risk

- 4.1 We deliver ex works (EXW Incoterms 2010). Even in the case of deliveries made free of charge, the buyer shall bear the risk of shipping. Transport insurance will be arranged by us only upon the express request of the buyer in accordance with an agreement to be concluded in an individual case at the buyer's expense.
- 4.2 If shipment is delayed due to circumstances for which we bear no responsibility, then the transfer of risk shall take

place on the day that the buyer has been notified of the readiness for shipment.

5. Packaging

- 5.1 Insofar as nothing to the contrary has been agreed, we shall select the type of packaging.
- 5.2 If the goods have been billed according to weight, then the usage of packaging and wrapping material shall be calculated at a price according to the gross weight.
- 5.3 Special, not commercially customary packaging material shall be charged extra.
- 5.4 Upon the written request of the buyer, the goods shall be insured at his own expense against risks to be determined by him.

6. Delivery deadlines and liability provisions, acceptance obligation in case of blanket orders and call-off orders, return deliveries

- 6.1 The delivery period shall begin as soon as all delivery details have been clarified, both parties agree on all of the terms and conditions of the transaction and the ordering party has effected payment of an agreed instalment, if applicable. The delivery deadline has been complied with if, until it expires, either the delivery item has departed the plant or the ordering party has been notified as to its readiness for shipment.
- 6.2 The adherence to our delivery obligation within the agreed delivery deadline further presupposes the prompt, correct and complete fulfilment of all obligations on the part of the buyer. The right to objection of the non-fulfilment of contract remains reserved.
- 6.3 If our delivery does not take place in adherence to the deadline and also not within an extended deadline – which must consist of at least 20 workdays – set by the ordering party, due to reasons for which we bear responsibility, then the ordering party is entitled to void the ordered delivery.
- 6.4 In the event of subsequent order amendment, we are no longer bound to the originally as-sured and confirmed delivery deadline.
- 6.5 Subsequent order amendments, quantity changes and cancellations can only be accepted if they do not entail any costs for us; otherwise, we shall be compelled to charge the buyer for the costs.
- 6.6 In case of contracts with continuous delivery, the arrangement according to class and type must be communicated to us in due time. If call-offs of partial quantities are not communicated in due time, we shall be authorised to – after first having set an indisputable extended deadline – designate and deliver partial quantities ourselves, or alternatively to withdraw from the non-fulfilled portion of the contract as per the further prerequisites of Paragraph 6.8 and to require indemnification as restitution for the ensuing loss that we suffer. The right to enforcement of further damage claims as might possibly arise remains undiminished.
- 6.7 The regulation in Paragraph 11 shall apply for compensation claims due to delayed fulfilment or non-fulfilment in lieu of performance.
- 6.8 If force majeure or circumstances for which we cannot be held accountable (e.g. operational disruptions, strikes) hinder us in the punctual fulfilment of the order, we are then entitled in order to fulfil assumed obligations to reasonably postpone delivery or, if the hindrances consequently make contract performance impossible, to withdraw from the contract in whole or in part. The same holds true if we have not received delivery of material at all, or with delay, from our suppliers which we have ordered from them and which is required for fulfilment of the order, due to reasons for which we cannot be held accountable. The prerequisite for a withdrawal is that we promptly inform the ordering party about the unavailability and, as the case may be, immediately refund

any consideration provided by the ordering party. Claims for indemnification of any kind are hereby excluded.

- 6.9. Partial deliveries are permissible.

7. Quality guidelines for production and delivery

- 7.1 Tolerances:
As a rule, we apply quality assurance methods to our production, which as a minimum comply with ISO 9001 requirements. Production is carried out based on the respectively applicable test-ing and assessment guidelines, as well as the tolerances for weight, dimensional and quantity variations specified therein.
- 7.2 Production processes
The selling party thereby reserves the right to change the production processes insofar as the buying party has not required any restrictions or information obligation with regard to them.

8. Retention of title

- 8.1 We shall retain title to the delivery item (goods subject to retention of title) until all of our accounts receivable due from the ordering party from the business relationship, including any accounts receivable which might arise in the future – comprising those contracts concluded at the same time or at a later date, have been settled. In case of running accounts, the retained title and all rights apply as collateral for our entire current account balance claims, together with interest and costs. In the event of seizures or other intervention by third parties, the ordering party must immediately inform us.
- 8.2 The ordering party is authorised to process and resell the delivery item in the ordinary course of business. This authorisation shall end if the ordering party is in payment default, or additionally in case of the cessation of payments by the ordering party, or if the opening of insolvency proceedings has been filed against the assets of the ordering party (default / enforcement event). The ordering party is obliged to resell the item delivered under reservation of title only under the condition of title retention and to ensure that the accounts receivable derived from the resale are transferred to us as per 8.5. Also regarded as resale is if the goods subject to retention of title are used to fulfil works contracts and works-supply contracts. The ordering party is not entitled to any other dispositions regarding the goods subject to retention of title, particularly the pledging of goods or transfer of security. An assignment of accounts receivable from the transfer of our goods subject to retention of title is not permitted, unless it is a matter of an assignment within the course of true factoring, which must be shown to us and for which the value of the factoring proceeds exceeds the amount of our secured receivables. Our accounts receivable are due immediately once the factoring proceeds have been credited.
- 8.3 Pursuant to Art. 950 of the BGB, the ordering party does not acquire ownership of a new item through the treating and processing of the goods subject to retention of title. The processing or transformation is undertaken for us without obligating us. The treated and processed goods are regarded as goods subject to retention of title.
- 8.4 In the case of processing, combining and mixing of the goods subject to retention of title with other goods, our claim entitlement to co-ownership of the new good amounts to the proportional invoice value of the goods subject to retention of title in comparison with the invoice value the other goods used. If our property rights are rendered null and void through combining, mixing or processing, consequently the ordering party shall immediately transfer to us the property rights and expectancy rights pertaining to the new form of the item to

which he is entitled proportionate to the invoice value of the goods subject to retention of title and, in the case of processing, proportionate to the invoice value of the goods subject to retention of title vis-à-vis the invoice value of the other goods used, and maintain custody of it for us free of charge. Our co-ownership rights are regarded as goods subject to retention of title.

- 8.5 The accounts receivable of the ordering party derived from the reselling of the goods subject to retention of title are to be assigned to us now by way of security. These serve as collateral in the same scope as the goods subject to retention of title. If the goods subject to retention of title are resold by the ordering party together with other goods, then the accounts receivable derived from the resale shall be assigned to us proportionate to the invoice value of the goods subject to retention of title vis-à-vis the invoice value of the other goods. In the event of a resale of the goods for which we hold co-ownership shares as per 8.4, a share of the accounts receivable shall be assigned to us corresponding to our co-ownership share. Other accounts receivable which take the place of the goods subject to retention of title or which otherwise arise with respect to the goods subject to retention of title - such as insurance claims and claims from a breach of duty or an unlawful act - shall also be assigned. The ordering party is irrevocably entitled to collect the accounts receivable assigned to us in his own name. We may revoke the direct debit mandate in the case of a default / enforcement event.
- 8.6 The ordering party authorises us to inform the customer of the assignment and to collect the accounts receivable as soon as the default / enforcement event occurs. We can require a review of the status of the assigned accounts receivable by our agents based on the book-keeping of the ordering party. The ordering party must provide us with a list of the residual goods subject to retention of title and all information necessary for asserting the assigned accounts receivable, including a list of his accounts receivable from the resale of the goods subject to retention of title with the name and address of the customer.
- 8.7 If the value of the existing collateral exceeds the total secured receivables by more than 10%, then at the request of the ordering party we are obligated to release collateral to that extent, at our discretion and in observance of the interests of the ordering party. The collateral value is regarded as the invoice value for simple and subsequent retention of title at which the ordering party procures the goods from us, and for extended retention of title the invoice value at which the ordering party resells our goods, each with a valuation discount of one third of the subscription price or the nominal value of the assigned accounts receivable.
- 8.8 In the event of cheques or other means of payment, payment is only then regarded as having been made after secured posting of the sum by the ordering party. We shall only accept cheques on account of performance. Payments that have been made against the transfer of a cheque or another means of payment are only then considered as having been remitted once a reversal to us is precluded. Notwithstanding our extended collateral rights, the collateral ceded to us up to this point in time continues to exist.
- 8.9 Based on the retention of title, we can require the possession of the delivery item if we have withdrawn from the contract. We are authorised to withdraw without taking into account any of the further prerequisites of Art. 323 of the BGB, in particular without having to set a deadline, from that point in time at which the ordering party has defaulted on payment in whole or in part. The same holds true if the ordering party has ceased payment or if the opening of insolvency proceedings has been filed against the assets of the ordering party. All costs arising from the repossession of the delivery item shall be borne by the ordering party. We are authorised to freely dispose of the reclaimed delivery item.

9. Notification of defects, claims for defects, liability provision

- 9.1 Notwithstanding the continued duty of inspection, notification, and rejection due in a mutual commercial transaction, the ordering party is obligated to inspect the delivered goods for apparent flaws and report to us in writing any complaints with respect to such apparent flaws - this also applies to incomplete or incorrect deliveries - within one week after having received the goods; and, furthermore, with respect to flaws which only later become apparent, within one week after they have been detected by the ordering party. Otherwise, the goods shall be re-garded as having been accepted, also with regard to apparent flaws, and the ordering party can thus not derive any rights therefrom with respect to us. This does not apply to a direct sale to a private consumer. In the event of legitimate notification of defects, we are obligated to rectification of the flaw of the delivered goods free of charge or, at our discretion, replacement delivery. If the rectification or replacement delivery fail despite two attempts, or if we unjustifiably refuse these or cause un-conscionable delay, then the ordering party is entitled to abatement of the remuneration or, if construction work is not object of the liability for defects, to require rescission of the contract at his discretion.
- 9.2 Subject to the regulation in Paragraph 11, the following applies for compensation claims:
- 9.3 Claims for defects are unwarranted if the flaw is traceable back to a violation of the operating, maintenance or installation specifications, unsuitable or improper use, incorrect or negligent handling by the ordering party and natural wear and tear, as well as due to intervention undertaken in the delivery item by the ordering party or third parties.

10. Terms and conditions of payment and consequences in case of non-compliance, offsetting

- 10.1 Insofar as nothing to the contrary has been agreed, our accounts receivable are to be paid free of postage and other charges within 30 days after having received our invoice or an equivalent statement of accounts receivable, at the latest however 30 days after the due date and receipt of the consideration provided. For payments remitted thereafter we shall charge interest at an annual rate of 8%.
- 10.2 In case of drafts and cheques, payment is only then regarded as having been remitted after the sum has been posted. Discounts and charges shall be borne by the ordering party.
- 10.3 We shall only accept drafts and cheques on account of performance, and drafts only upon special agreement. Independent of the term period of accepted drafts or a granted forbearance, our accounts receivable are due immediately if the ordering party does not adhere to the terms and conditions of payment or circumstances that could cast doubt on his creditworthiness become known. Furthermore, in a case such as this we are authorised to only carry out deliveries against payment in advance or the provision of collateral, or to withdraw from the contract after a reasonable extended deadline, and/or to require indemnification.
- 10.4 Only counterclaims that are undisputed or have been legally determined to be valid can be off-set by the ordering party vis-à-vis our accounts receivable. A right of retention is excluded unless the counterclaim is undisputed, has been stated as legally binding or is ready for decision.

11. Liability for compensation (limitations and exclusions)

- 11.1 If essential contractual obligations - major obligations whose fulfilment allows the proper execution of the contract and on whose fulfilment the ordering party may rely - are breached, we shall also be liable in the event of simple negligence; however, any claims are limited to compensation for damages which were foreseeable and

typical of the contract at the time of the contract conclusion.

- 11.2 Otherwise - unless the breach of an essential contractual obligation is concerned and subject to the following Paragraph 11.4 - our liability for compensation shall be limited to damages resulting from a grossly negligent breach of duty on the part of our legal representatives or agents, regardless of the legal grounds and including an unlawful act, insofar as this involves culpability. Indirect damages or damages resulting from defects to the delivery item are only eligible for compensation if such damages are typically expected from the intended use of the delivery item.
- 11.3 The aforementioned liability exclusions and limitations shall apply to the same extent in favour of our bodies, legal representatives, employees and other agents.
- 11.4 The aforementioned liability exclusions and limitations shall not apply for damages as a result of injury to life, limb or health based on a negligent breach of duty on our part or an intentional or negligent breach of duty on the part of our legal representatives or agents. Similarly, claims from a warranty or according to the Product Liability Act shall not be affected by this.

12. Place of performance, competent court of jurisdiction and applicable law

- 12.1 Place of performance is the location of our supplying factory.
- 12.2 The place of jurisdiction for contracts with merchants, legal entities under public law and separate funds under public law is the registered office of the Bals contracting company. We reserve the right, however, to take action against the ordering party before the competent courts for his registered office.
- 12.3 For all deliveries and services from German Bals companies, German law shall apply for transactions within the EU with the exception of the UN Convention on the International Sale of Goods; the UN Convention on the International Sale of Goods shall apply for international transactions with companies outside of the EU along with German law if the former does not contain any appropriate regulations. For Bals companies which are not based in Germany, the respective law in that country shall apply, with the UN Convention on the International Sale of Goods taking priority.

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