Bals

ELEKTROTECHNIK

INTERNATIONAL EDITION



Information
About us, general technical information about product features and standard IEC-309 1/2 BS EN. 60309-2/ BS4343 1992, QUICK CONNECT® VON BALS (page 16), MultiGrip (page 17), KONTEX PLUS (page 15)

INFO

Socket Outlets
Surface Mounting Socket Outlets, Panel Mounting Socket Outlets



Plugs, Appliance Inlets, Phase Inverters
Plugs, Surface Mounting Appliance Inlets, Panel Mounting Appliance Inlets, Appliance Inlets with Flange, Phase Inverter-Plugs, Phase Inverter-Appliance Inlets



Connectors
Angled Connectors, Connectors with Suspension Ring



Surface Mounting Sockets
Fused, switched, switched with mechanical interlocking, switched and fused, switched with mechanical interlocking and fused



Plugs and Sockets, Schuko Type
Panel Mounting Socket Outlets, Surface Mounting Socket Outlets, Plugs, Connectors, Three-Way Connectors, Distributors, Extension Cables, Surface Mounting Socket Schuko Type for Ex- Zone 22



Combinations made of plastic, rubber and steel
Surface Mounting Socket Outlets, Portable Distributions, Distribution Units, Uni-Block-Distributions, Cross-Distributions, Multiblocks, Energy Distributions, Steel Bollards



Plugs and Sockets for Caravan and Camping-Site
Surface Mounting Socket Outlets, Panel Mounting Socket Outlets, Plugs, Surface Mounting Appliance Inlets, Connectors, Adapter Plugs, Plugs Schuko-Type, Connectors Schuko-Type, Extension Cables, Camping-Distribution Units



Plugs and Sockets for Reefer Container
Surface Mounting Socket Outlets, Panel Mounting Socket Outlets, Plug, Appliance Inlets, Connectors, switched/interlocked Surface Socket Outlets, Phase Sequence Test Plugs



Plugs and Sockets for Harsh Environments
Surface Mounting Socket Outlets, Panel Mounting Socket Outlets, Plugs, Appliance Inlets, Connectors, Sockets switched with mech. interlocking, Sockets switched with mech. interlocking and fused



Plugs and Sockets for Zone 1, 2, 21, 22
Surface Mounting Sockets Outlets Zone 22, Plugs Zone 22, Surface Mounting Socket Outlets Zone 1, 2 and 21, Panel Mounting Socket Outlets Zone 1, 2 and 21, Plugs Zone 1, 2, 21



Extreme Low Voltage Products
Surface Mounting Socket Outlets, Panel Mounting Socket Outlets, Plugs, Surface Mounting Appliance Inlets, Connectors, 63 A Surface Mounting Socket Outlets, 63A Plugs, Connectors and Panel Mounting Appliance Inlets



Plugs and Sockets for special applications
TK-Socket Outlet Combination Units, Phase Sequence Test Plugs, Socket Outlets with Auxiliary Contact, Socket Outlets with electrical interlocking, 7-pole Plugs and Sockets, Plugs and Sockets for direct current, TH-Socket Outlets



Plugs and Sockets for military applications according to VG 96919 and VG 96926
CEE-Panel Mounting Socket Outlets, CEE-Plugs, CEE-Appliance Inlets, CEE-Connectors, Panel Mounting Socket Outlets Schuko Type, Plugs schuko type, Appliance Inlets Schuko Type, Connectors Schuko Type, Three-Way Connectors Schuko Type, Accessories, Portable Rubber-Distribution, Operating Windows



Empty Boxes
Made of thermo plastic or solid rubber



Accessories and Mounting Kits
Operating Windows, Wall Sockets, Intermediate Flanges, Mounting Frames, Terminals, Wiring Kits, Suspension Eyes, Closure Caps, External Cable Grips, Jointer Kits for Housings, Adaptor Bases, Assembly Brackets



Plugs and Sockets above 125 A
Plugs and Sockets above 125 A for voltages up to 1100V



Special Distribution Units



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Surface Mounting Sockets (page 76 - 113)







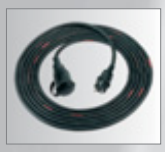


Plugs and Sockets Schuko Type (page 114 - 121)











Combinations (page 122 - 151)





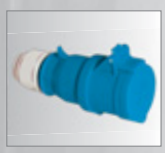




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Plugs and Sockets für Reefer Container (page 160 - 163)











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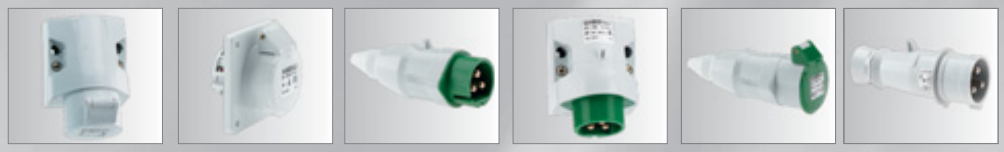


Plugs and Sockets for Zone 1, 2, 21, 22 (page 178 - 185)





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Special Distribution Units (page 250 - 253)



National and International Sales



● manufacturing plant ● customer ● sole agents ○ affiliated companies



Bals-France



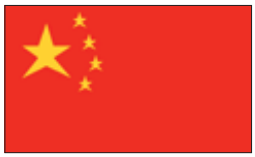
CEE-Norm UK



Neptune-Bals-India



Bals-Nederland



Bals-China



Bals-Finnland



Bals-Polska

- 7 affiliated companies
- Exclusive and sole partners in West- and East-Europe, South Africa, Russia, Middle-East, Asia North- and South America etc.
- 17 sales offices in Germany
- 8 special system agents
- Products ex stock available in more than 80 countries worldwide

Other configurations are available on request.

Bals, a company in partnership with it's customers

The Bals company was established in Germany over 50 years ago.
It manufactures an extensive range of high quality industrial plugs and sockets and is proud to serve world markets.

The headquarter is located in Kirchhundem-Albaum, North Rhine Westphalia. The company expanded in recent years by opening a second plant in East-Germany, Freiwalde, in the district of Brandenburg near Berlin.



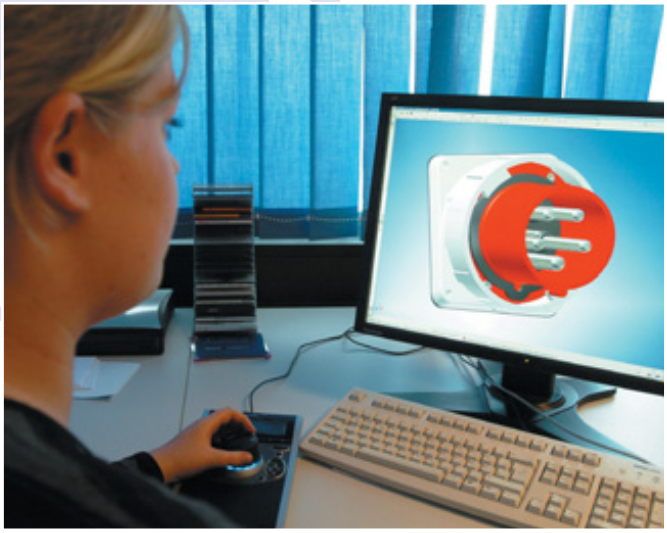
Headquarters in Kirchhundem-Albaum, North Rhine-Westphalia



New plant in Freiwalde (Brandenburg)

Development and design

The multiple requirements of the world markets regarding the design and function of industrial plugs and sockets have been continously analyzed by Bals. Innovation is created within their own design and tool making departments, „Application Creates Design" is the motivation for their designers and engineers, which has been translated into many unique patented products. Their **„know how"** stands for the **unrivalled quality of safe, solid, easy to use ranges.**



Development and design

Production

Customer requirements are in the center of all activities. Customer service is the motivation. Teams in the production departments accept this challenge to guarantee an excellent service every day.



Assembly line for Quick-Connect products



Two component injection moulding

Other configurations are available on request.request.



DIN EN ISO 9001

The high quality level of Bals Elektrotechnik has been certified by DIN EN ISO 9001.

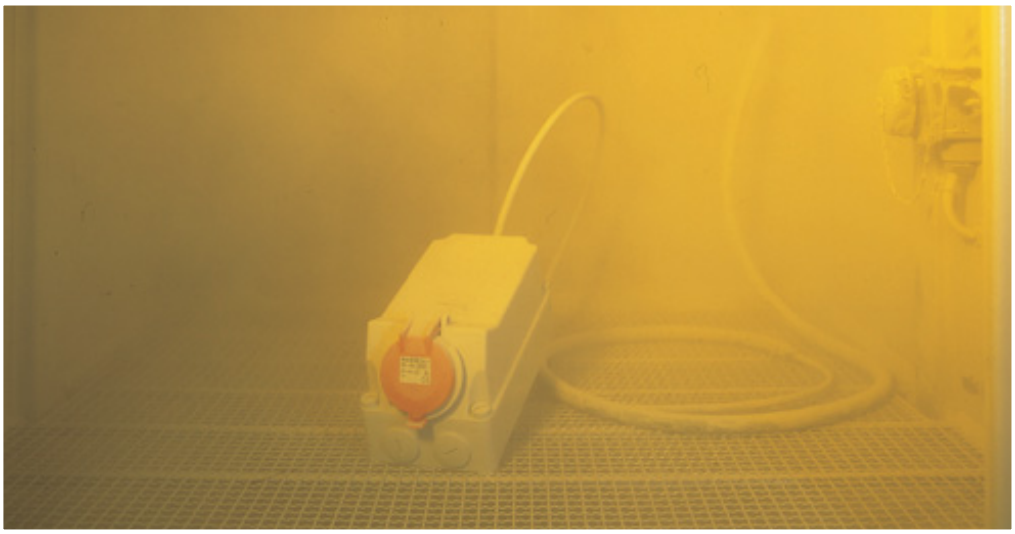
Certifications

Innovations and certifications of German and foreign testing institutes prove the high technical standard of the Bals products.

QUICK CONNECT®

MultiGrip

KONTEX PLUS



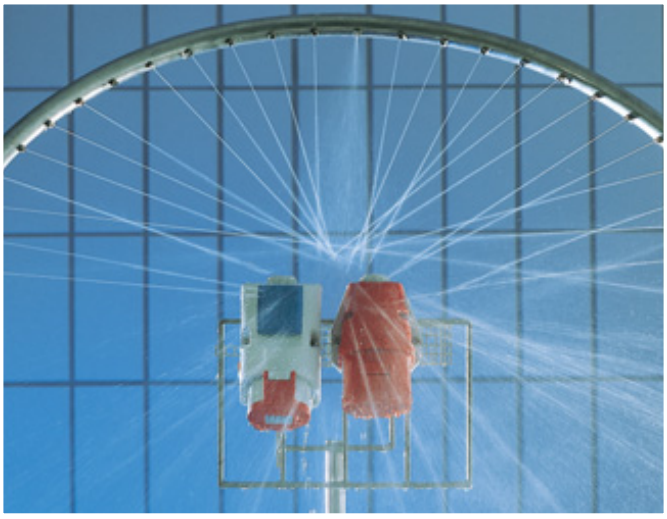
IP 55 Dust chamber testing

Testing and Quality Assurance

Bals products are exposed to long endurance tests. These tests far exceed standard requirements. Where others give up, Bals products withstand heat or cold, dust or dirt, moisture or water.



Glow wire testing



IP 44 or Splashproof testing



Safety test of combination units

Mainly used materials and characteristics of Bals CEE industrial plugs and sockets

	Type of Connection	Material of contact carrier	Material of contact	Material of enclo-sure	Material of the rivet of the lid	Material of the fixing screws	Material of the contact screw
Plug TLS	Screw Terminal	PA6	Brass	PA6	-	Steel blue galv.	Steel blue galv.
Plug Standard	Quick Connect	PA6	Brass	PA6	-	-	-
Plug TE	Screw Terminal	PA6.6	Brass nickel-plated	PA6	-	Stainless Steel A2	Brass nickel-plated
Plug TE Plus	Quick Connect	PA6.6	Brass nickel-plated	PA6	-	Stainless Steel A2	-
Connector TLS	Screw Terminal	PA6	Brass	PA6	Brass	Steel blue galv.	Steel blue galv.
Connector Standard	Quick Connect	PA6	Brass	PA6	Brass	-	-
Connector TE	Screw Terminal	PA6.6	Brass nickel-plated	PA6	Stainless Steel A2	Stainless Steel A2	Brass nickel-plated
Connector TE Plus	Quick Connect	PA6.6	Brass nickel-plated	PA6	Stainless Steel A2	Stainless Steel A2	-
Surface Socket Standard	Quick Connect	1)	2)	3)	Brass	4)	-
Surface Socket TE	Quick Connect	PA6.6	Brass nickel-plated	3)	Stainless Steel A2	Stainless Steel A2	-
Panel Socket Standard	Quick Connect	1)	2)	PA6	Brass	-	-
Panel Socket TE	Quick Connect	PA6.6	Brass nickel-plated	PA6	Stainless Steel A2	-	-
Appliance Inlet	Quick Connect	1)	2)	PA6	-	-	-
Appliance Inlet TE	Quick Connect	PA6.6	Brass nickel-plated	PA6	-	-	-

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

2) 16A + 32A made of brass
63A made of brass nickel-plat.

1) 16A + 32A made of PA6
63A made of PC

4) 16A + 32A made of steel blue galvanized
63A made of stainless steel A2

PA6 and PC are high-quality plastics.
PA6.6 is a high-quality, high-temperature resistant plastic.
The brass contains at least 58% of copper.

Withdrawal forces of the Multi-Grip cable glands

Plug / Connector	Cable Ø	Torque min.	Torque max.	Withdrawal forces acc. EN60309/01	measured withdrawal forces*
16A 3P + 4P	8 mm	4 Nm	7 Nm	80 N	85 N (300 N)
16A 3P + 4P	18 mm	4 Nm	7 Nm	80 N	200 N
16A 3P + 4P	< 7 mm	4 Nm	7 Nm	with reducer type 29129	300 N
16A 5P	10 mm	4 Nm	7 Nm	80 N	400 N
16A 5P	21 mm	4 Nm	7 Nm	80 N	600 N
32A 3P + 4P	11 mm	4,5 Nm	9 Nm	100 N	400 N
32A 3P + 4P	23 mm	4,5 Nm	9 Nm	100 N	600 N
32A 5P	13 mm	5 Nm	9,5 Nm	100 N	350 N
32A 5P	27 mm	5 Nm	9,5 Nm	100 N	550 N
63A 3P - 5P	24 mm	7,5 Nm	20 Nm	120 N	1900 N
63A 3P - 5P	27 mm	7,5 Nm	20 Nm	120 N	2000 N
125A 3P - 5P	36 mm	10 Nm	22 Nm	200 N	2700 N
125A 3P - 5P	41 mm	10 Nm	22 Nm	200 N	2200 N

* mesured withdrawal forces:
Room temperature 20° C,
Testing machine type TIRA test 2710/1
Rubber cable: H07RN-F.....
non-binding standard values
subject to technical modifications

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List of resistance of materials

	Polyamide	Polyester	Polycarbonate	Rubber SBR quality
Acetone	+	o	●	+
Ethyl alcohol	+	+	+	+
Alcoholic drinks	+	+	+	+
Liquid ammonia	+	+	●	+
Fuel	+	+	+	●
Benzol	+	o	●	●
Brome	●	●	●	●
Butter	+	+	●	●
Chlorine	o	o	o	o
Light oil	+	+	o	o
Methylene chloride	o	●	●	●
Acetic acid 10%	●	o	+	●
Ethyl ester	+	+	●	●
Fluorocabon	+	+	●	●
Fruit juices	o	+	+	+
Dish detergent	o	+	o	+
Glycerine	+	+	o	+
Glycol	o	+	o	+
Urea	o	+	o	+
Iodine	●	●	o	+
Soapy water 2%	+	+	+	+
Methy alcohol	o	+	●	+
Milk	+	+	+	+
Petroleum	+	+	+	o
Nitrobenze	+	o	●	●
Ozon	●	●	+	o
Perchlorethylene	o	+	●	●
Hydrochlorid acid up to 35%	●	●	o	o
Sulphuric acid up to 40%	●	●	+	+
Lard	+	+	●	o
Soapy water	+	+	+	o
Edible oil, edible fat	+	+	+	o
Petrol "4 star"	+	o	●	●
Toluene	+	o	●	●
Trichlorethylene	o	●	●	●
Base of detergent	+	+	o	o
Water, seawater, cold	+	+	+	+
Water hot	o	o	o	o
Hydrogen peroxyd, 30%	o	o	+	o

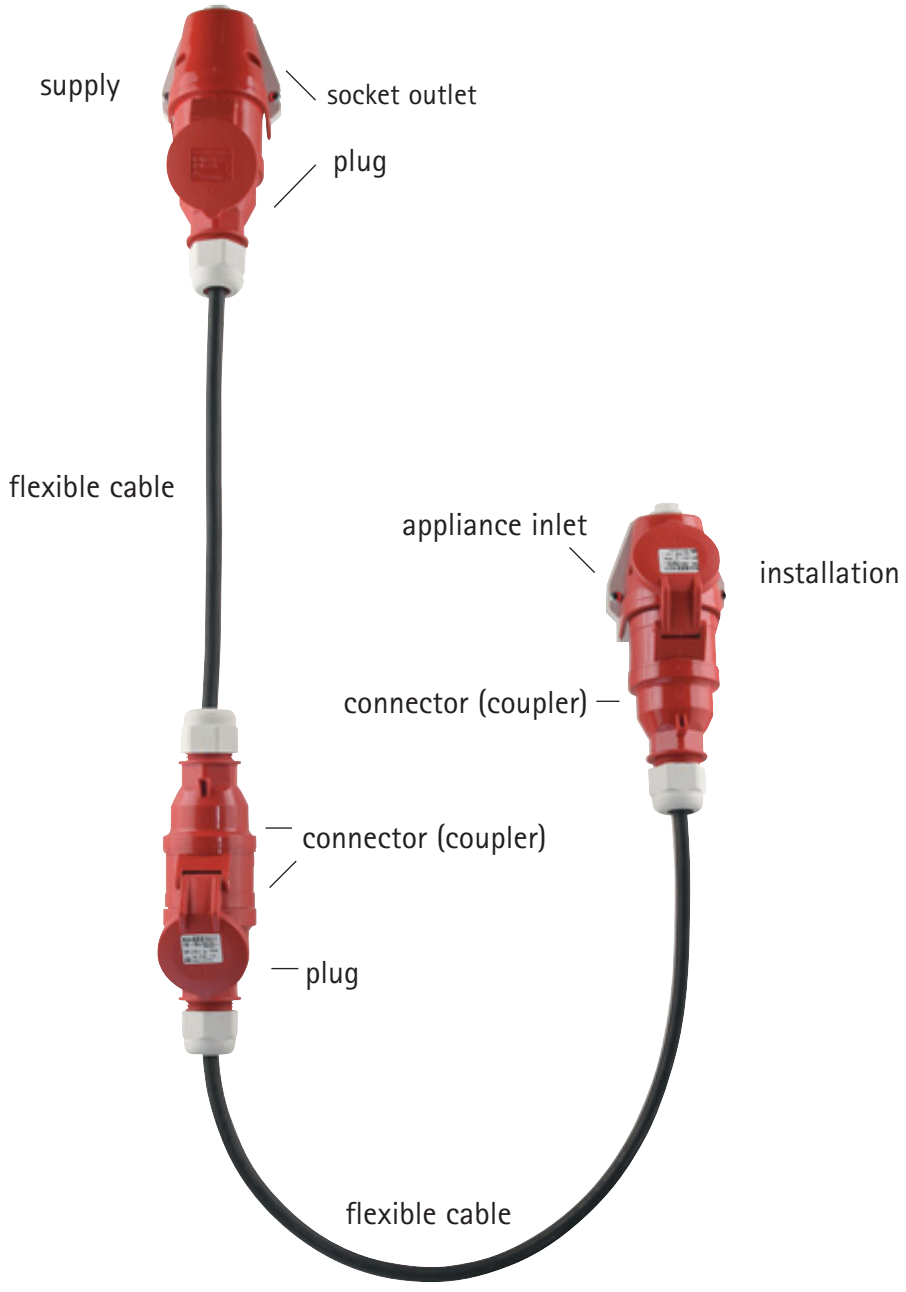
+ resistant O conditionally permanent ● not resistant

+ beständig O bedingt beständig ● unbeständig

In this list the most common chemicals which may occur are listed. The table informs about the basic principles of the chemical resistance. Important is the convergence of chemicals and the ambient temperature. If chemicals are used or may occur simultaneously, an exact control of resistance need to be done.

Orgin:
Werkstoff-Führer Kunststoff
Hellerich/ Harsch/ Haenle
6. Edition
Bayer Kunststoff

Definitions in accordance with VDE 0623 § 2/EN 60309 used in this catalogue



IP-Rating

First Numeral		Second Numeral	
(a) Protection of persons against contact with live or moving parts inside enclosure. (b) Protection of equipment against ingress of solid bodies.		Protection of equipment against ingress of liquid.	
Number/ Symbol	**Degree of Protection**	**Number/ Symbol**	**Degree of Protection**
4	(a) Protection against contact by tools, wires or the like, more than 1.0mm thick. (b) Protection against ingress of small foreign bodies.	4	**Splash Proof**:- Liquid splashed from any direction shall have no harmful effect.
5	(a) Complete protection against contact. (b) **Dust Proof**:- Protection against harmful deposits of dust, dust may enter but not in amounts sufficient to interfere with satisfactory operation.	5	**Jet Proof**:- Water projected by a nozzle from any direction (under stated conditions) shall have no harmful effect.
6	(a) Complete protection against contact. (b) **Dust Tight**:- Protection against ingress of dust.	7	**Protection Against Immersion in Water**:- It shall not be possible for water to enter the enclosure under stated conditions of pressure and time.

Colour Coding

All CEE Norm products are colour coded in compliance with BS EN. 60309-2/BS4343:1992 and IEC309 (see table below) for ease of identification of the various voltages and frequencies.

Voltage or Frequency	Colour Code
20 - 25V (24V)	Violet
40 - 50V (42V)	White
100 - 130V (110V)	Yellow
200 - 250V (240V)	Blue
380 - 480V (415V)	Red
500 - 690V (500V)	Black
60 - 500Hz	Green

Note:

We have used the 'trade standard' voltages of 24V, 42V, 110V, 240V, 415V and 500V on the part number pages in this catalogue. The actual voltage range for each type is as per British standards and international regulations.

For convenience, the 415V (red) appliance has been shown throughout this catalogue for most products. Other voltages / frequencies are also available (where indicated) in the appropriate colours indicated alongside.

Earth 'Clock' Position

To prevent the possibility of connecting items of different voltages or frequencies with one another by mistake, the earth tube (or pin) position is designated in accordance with the voltage or frequencies in such a way to make this impossible.

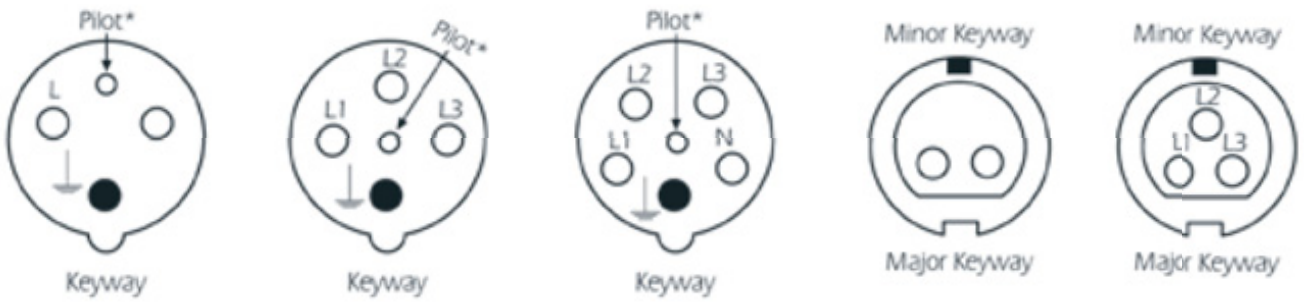
The earth (or H) position is determined by locking into a socket from the front, with the keyway at the bottom 6 o'clock (6H) position.

The various earth clock positions are as per the diagram on the next page.

Note: It follows that on products with pins i.e. plugs and appliance inlets, the earth pin is reversed so that it fits into the correct earth tube position socket.

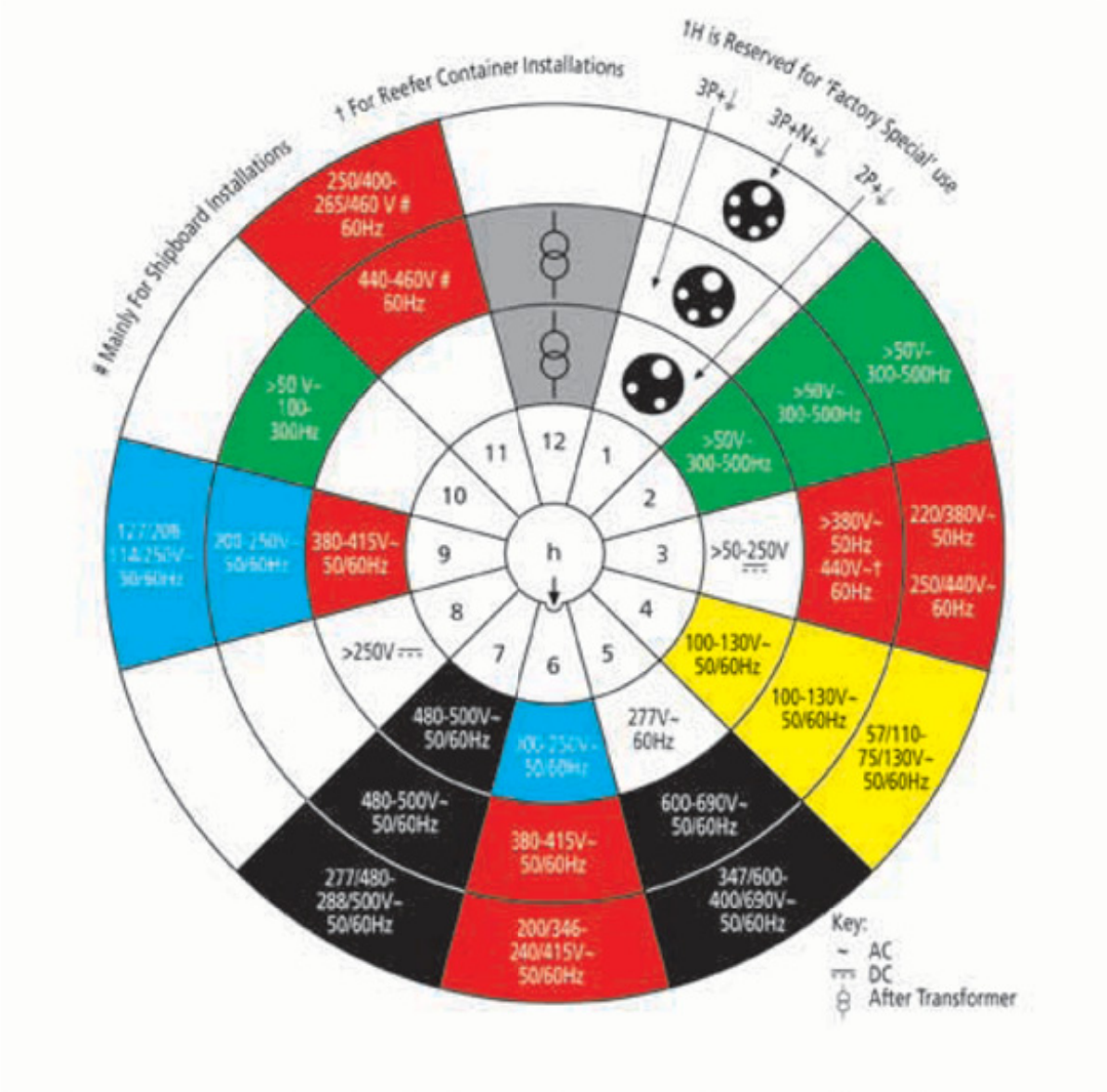
For **extra low voltage** products, the position is that of the minor keyway in relation to that of major keyway at the 6 o'clock position of the socket. Again on products with pins, the position of the minor keyway appears reversed to allow it to slot into the socket.

>50V **Viewed from front of Socket** **<50V**



* Pilot is only fitted on 63A and 125A items

Earth ‘Clock’ Position on over 50V Equipment



Minor keyway position in relation to the major keyway (at 6H) on extra low voltage (less than 50V) equipment (looking at socket)

Number of Poles	Frequency Hz	Voltage	Minor Keyway Position
2 or 3	50/60	20 -25	None
2 or 3	50/60	40- 50	12h
2 or 3	100 - 200	40 -50	4h
2 or 3	300	20 -25 40 - 50	2h
2 or 3	400	20 -25 40 - 50	3h
2 or 3	> 400 - 500	20 -25 40 - 50	11h
2 or 3	Direct Current	< 50	10h

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Combination Units







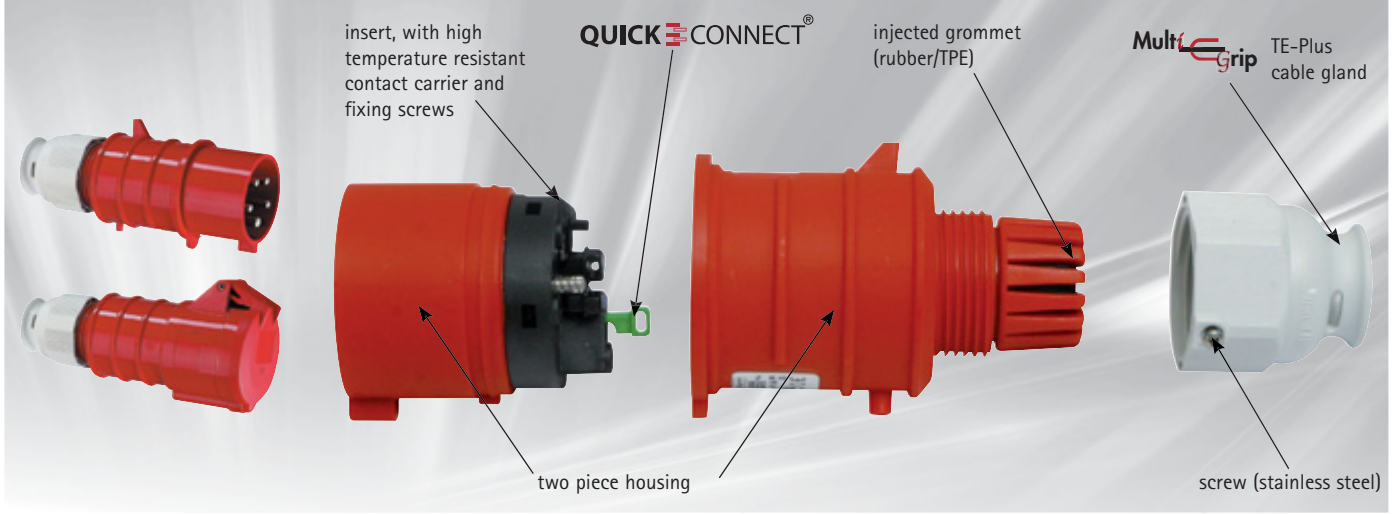




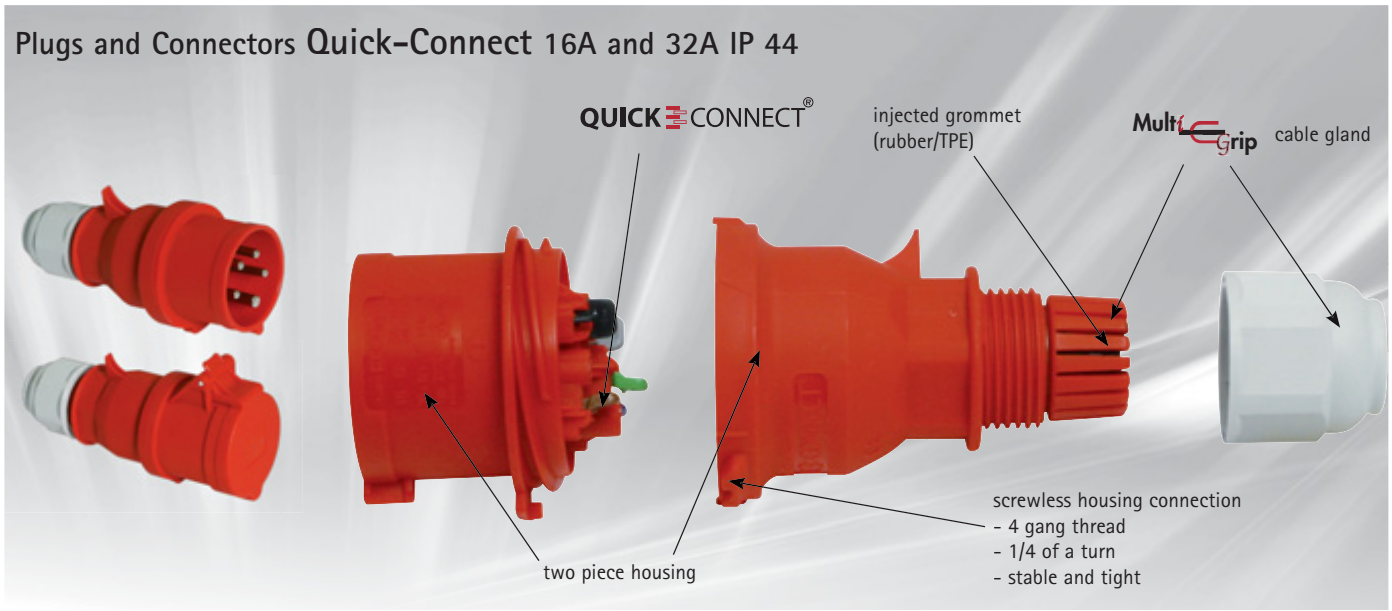


Main Product Ranges: TE-Plus, Quick-Connect, TLS

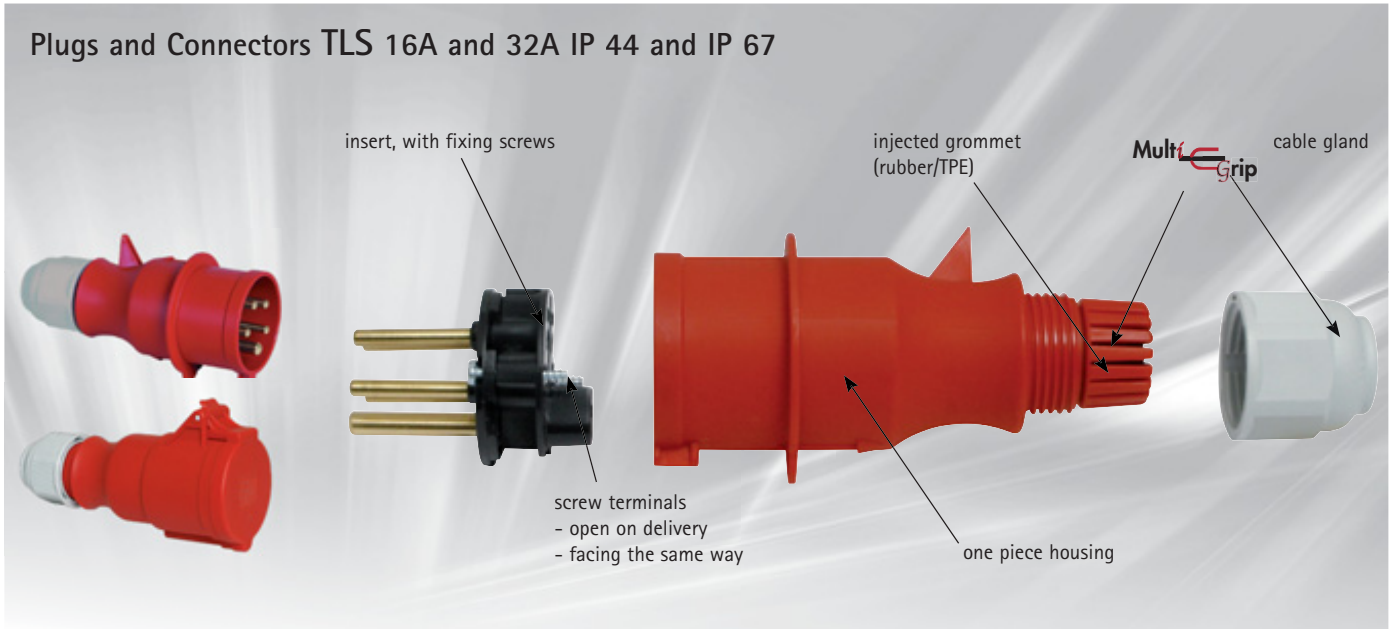
Plugs and Connectors TE-Plus 16A and 32A IP 44 and IP 67



Plugs and Connectors Quick-Connect 16A and 32A IP 44

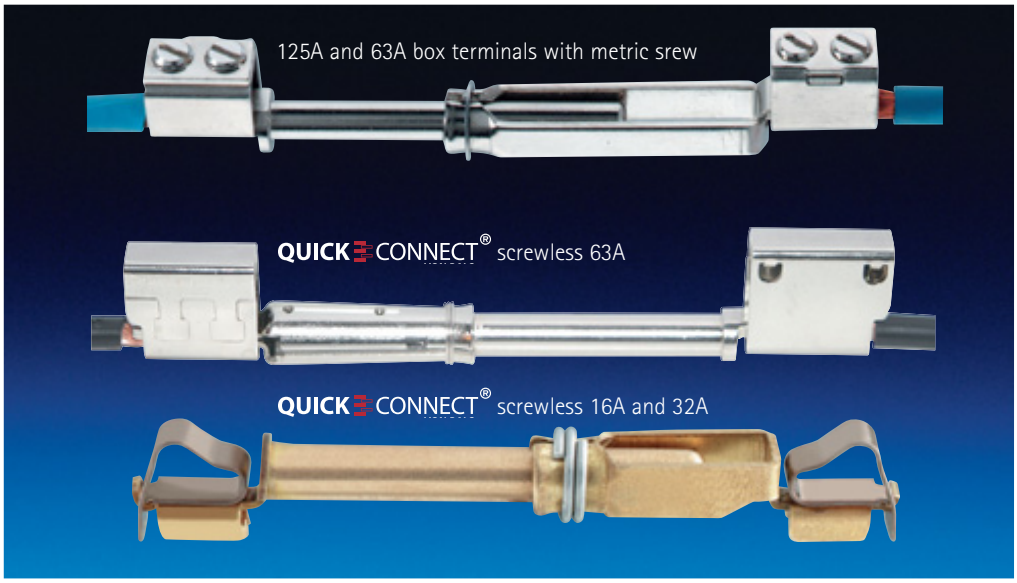


Plugs and Connectors TLS 16A and 32A IP 44 and IP 67

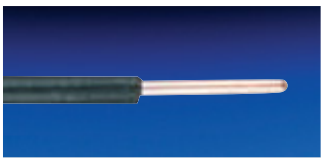


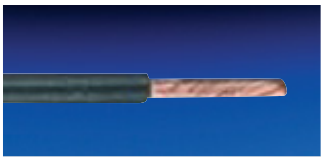
KONTEX PLUS

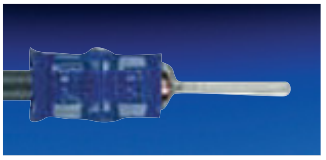
Unrivalled – Easy – Safe

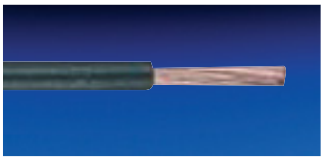


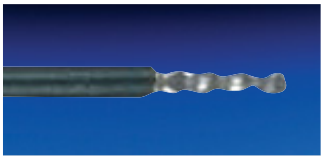
Accepts all ...


... solid conductors


... stranded conductors


... stranded conductors with cable lug


... stranded conductors ultra sonic welded


... stranded conductors gas-tight crimped

cable lug not required



screwless box-terminal with non corroding tension spring technology ensuring predetermined and even contact pressure over the whole service life of product (125A with metric thread M8)

nickel-plated contact pin

nickel plated contact sleeve in „half-shell" design with high copper content ensuring excellent current flow

unique contact clip ring design tailored to self cleaning effect of the contact area for sleeve and pin thus reducing the potential of contact heating by minimizing transition resistance

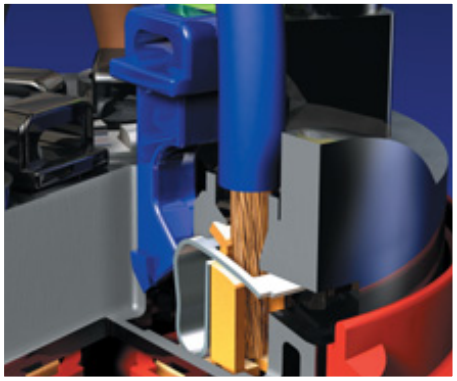
Bals ELEKTROTECHNIK

QUICK CONNECT®

THE BETTER ALTERNATIVE TO SCREW TYPE TERMINALS



Spring terminal (cage clamp) for plugs IP 44 in 16A and 32A



Spring terminal (cage clamp) for sockets and connectors IP 44/ IP 67 in 16A and 32A



Spring terminal (screwles box terminal) for plugs, sockets and connectors IP 44/ IP 67 in 63A

- Invented in 1998 and patented by Bals, the screwless fast connection technique is based on the cage clamp system.
- Up to 75% time saving against other 'older technology' connection systems.
- Cable end ferrules are no longer necessary.
- The spring terminals accept the same conductor size or type of cable as the relevant screw type terminals. Solid or stranded wires with or without cable end ferrules can easily be inserted.
- The terminals are in the 'open' position on delivery, the contact pressure of the spring is predetermined and remains even during the service life of product.
- With fingertip pressure onto the terminal it is reliably and permanently closed once the cable conductor is inserted.
- The damage free conductor connection guarantees an ideal connection for life.
- No problem to do re-wiring.
  The terminals can be re-opened and conductor pulled out and used again without any problem, this is not possible with terminals that cut into cable conductors.
- Quick-Connect is maintenance free, shock and vibration resistant and better suited to variations in temperature.

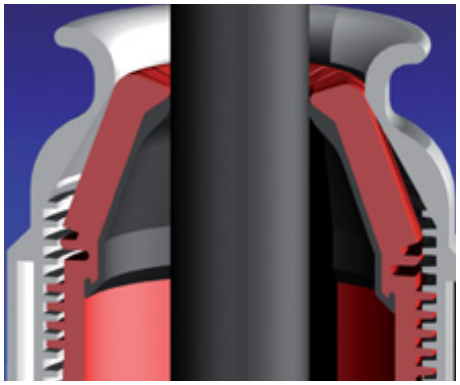
The screwless Quick-Connect terminals are suitable for following conductors

Quick-Connect Plug and Connectors 16A:	1 mm²	-	2,5 mm²	(stranded conductor)
Quick-Connect Anbaudosen and Surfacedosen 16A:	1,5 mm²	-	4 mm²	(solid conductor)
Quick-Connect Plug and Connectors 32A:	2,5 mm²	-	6 mm²	(stranded conductor)
Quick-Connect Anbaudosen and Surfacedosen 32A:	2,5 mm²	-	10 mm²	(solid conductor)
Quick-Connect Plug and Connectors 63A:	6 mm²	-	16 mm²	(stranded conductor)
Quick-Connect Anbaudosen and Surfacedosen 63A:	6 mm²	-	25 mm²	(solid conductor)

Bals ELEKTROTECHNIK

Multi Grip - THE ORIGINAL -

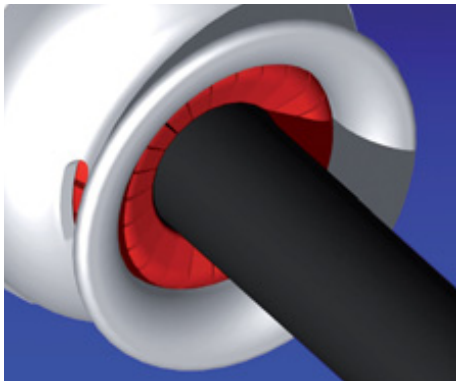
A BETTER ANSWER TO 'OLD STYLE' CABLE GLANDS



- A special new type of cable gland with integral cable gland was designed by Bals in 2002.
- The special threaded fitting is secured with a saw tooth thread which prevents self-induced or unintentional loosening whilst handling the connector.
- The permanently fixed rubber seal simplifies the connection process as there are no loose components or rubber 'onion rings' to adapt to the cable diameter.



- Multi Grip cable gland achieves at least IP67 protection when correctly installed.
- Water will not remain in the flared opening, as it is removed through the drainage holes.
- Water and dirt is prevented from entering the inner connection space, even when the cable is moved.
- The tensile strength exceeds the values required by the latest Norms IEC60309, EN60309 and VDE 0623.



- The status of the cable gland can be controlled externally at any time without the need to open the plug or connector.

TE plugs and connectors	cable diameter
16A 3 and 4 pol. TE and TE-Plus	Ø8 mm - Ø18 mm
16A 5pol. TE and TE-Plus	Ø10 mm - Ø21 mm
32A 3 and 4pol. TE and TE-Plus	Ø11 mm - Ø23 mm
32A 5pol. TE and TE-Plus	Ø13 mm - Ø27 mm
63A 3-5pol. TE and TE-Plus	Ø16 mm - Ø36 mm
125A 3-5pol. TE	Ø16 mm - Ø80 mm

TLS and standard plugs and connectors	cable diameter
TLS 16A 3/4/5 pol.	Ø8 mm - Ø18 mm
TLS 32A 3/4/5 pol.	Ø11 mm - Ø23 mm
QC-Standard 16A 3/4/5 pol.	Ø8 mm - Ø18 mm
QC-Standard 32A 3/4/5 pol.	Ø11 mm - Ø23 mm

for small 3-core cable diameter a reducing adaptor is available (see page 244)

Bals ELEKTROTECHNIK

Your advantage because of our 50 years of experience in manufacturing industrial plugs and sockets conform to IECEE-309 / 1-2, RCD-protection combination units and socket outlet distribution units.

All Bals industrial plugs and sockets are:

Impact resistant even in extreme condition	➨	tested up to - 25°C
Dimensionally stable even under high heat developments	➨	glow wire tested with 650° respectively 850°
Splashproof, watertight and dustproof according to protection degree IP44 and IP67	➨	Test according to EN 60529, among others in 1m water depth
Breaking capacity test, products can be operated under load	➨	Contacts and inserts have successfully passed electrical, mechanical and thermal long term testing
No ageing plastic materials	➨	Long endurance testing with temperature of +80°
High insulating plastic materials	➨	the plastic parts insulate tensions of < 2500V AC
Stable and wear resistant	➨	reliable over years under extreme conditions in various application fields
Non polluting	➨	the plugs and sockets not contain PVC-, Cadmium or Halogen

The technical features for industrial plugs and sockets in most of the cases also valid for RCD-protection combination units and socket outlet distribution units. For most applications the high grade plastic or rubber materials are suitable, but if special chemicals are used e.g. for cleaning works in food processing industries, may be a different kind of high grade material should be used.
See also the following list of durability of materials or contact us directly.

References

VATTENFALL

DB

VORWEG GEHEN

Mercedes-Benz

Miele PROFESSIONAL

BASF The Chemical Company

KALI

benTEC DRILLING & OILFIELD SYSTEMS



SOCKET OUTLETS

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Panel Mounting Socket Outlets
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Quality assured ...

Preferred scopes



Construction Industry

Camping site



Industry



Building Services



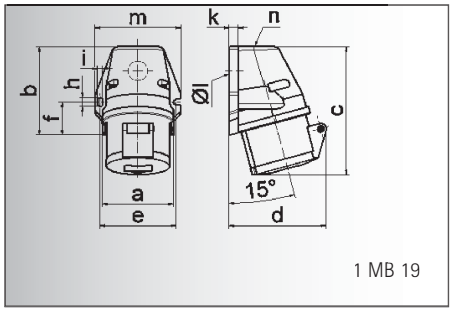
Farming



Harbour and Shipbuilding

SURFACE MOUNTING SOCKET OUTLETS

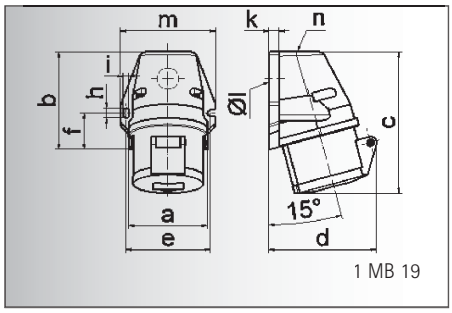
with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67



1 MB 19

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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	M 20	M 25	M 25	M 25	M 25	M 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

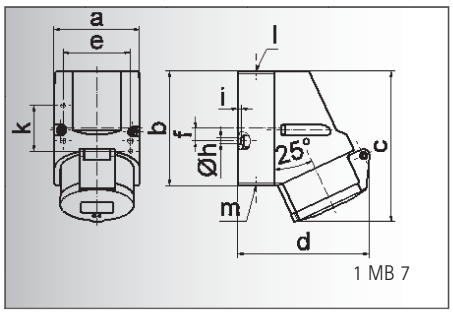
Surface Mounting Socket Outlet Quick-Connect
- screwless terminals
- Kontex-terminals
- cable entry one at top (open) and one at bottom (closed)
- protection degree IP 44



1 MB 19

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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	M 20	M 25	M 25	M 25	M 25	M 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

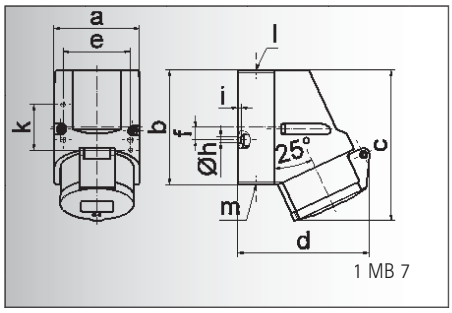
Surface Mounting Socket Outlet
- screw terminals
- cable entry one at top (open) and one at bottom (closed)
- protection degree IP 44



1 MB 7

Ampere	16	16	16
Poles	3	4	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 ø	4,1	5,1	5,1
i	4,5	4,5	4,5
k	40,0	-	-
l	M 20	M 20	M 20
m	for M 20	for M 20	for M 20
Cond. mm² min	1,5	1,5	1,5
Cond. mm² max	4	4	4

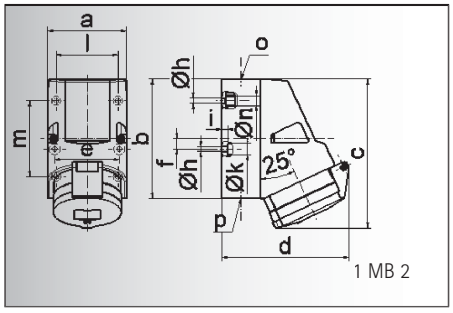
Surface Mounting Socket Outlet Quick-Connect
- screwless terminals
- Kontex-terminals
- cable entry one at top (open), one at bottom and one rear entry (closed)
- base of housing can rotate 180°
- protection degree IP 44



1 MB 7

Ampere	16	16	16
Poles	3	4	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 ø	4,1	5,1	5,1
i	4,5	4,5	4,5
k	40,0	-	-
l	M 20	M 20	M 20
m	for M 20	for M 20	for M 20
Cond. mm² min	1,5	1,5	1,5
Cond. mm² max	4	4	4

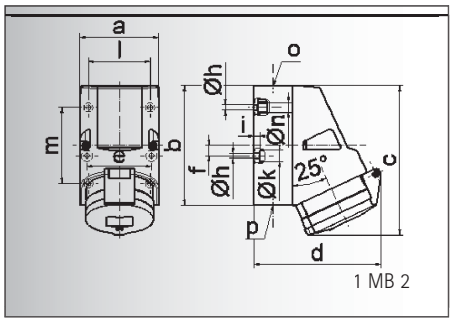
Surface Mounting Socket Outlet
- screw terminals
- cable entry one at top (open), one at bottom and one rear entry (closed)
- base of housing can rotate 180°
- protection degree IP 44



1 MB 2

Ampere	16	16	32	32	32
Poles	4	5	3	4	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	M 25	M 25	M 25	M 25	M 25
p	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25
Cond. mm² min	1,5	1,5	2,5	2,5	2,5
Cond. mm² max	4	4	10	10	10

Surface Mounting Socket Outlet Quick-Connect
- screwless terminals
- Kontex-terminals
- cable entry one at top (open), two at bottom (closed)
- base of housing can rotate 180°
- suitable for through wiring with special terminals
- protection degree IP 44



1 MB 2

Ampere	16	16	32	32	32
Poles	4	5	3	4	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	M 25	M 25	M 25	M 25	M 25
p	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25
Cond. mm² min	1,5	1,5	2,5	2,5	2,5
Cond. mm² max	4	4	10	10	10

Surface Mounting Socket Outlet
- screw terminals
- cable entry one at top (open), two at bottom (closed)
- base of housing can rotate 180°
- 4 internal fixing holes
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles: 2P+E (3), 3P+E (4), 3P+N+E (5)

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
16	3	11 912			**11 895**															10	180
16	4				11 910			**11 905**			11 914			11 0027			11 0030			10	210
16	5							**11 2001**												10	230
32	3	11 918			**11 919**															10	275
32	4				11 921			**11 922**			11 924									10	295
32	5							**11 2002**												10	330



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
16	3	11 897			**11 765**															10	190
16	4	11 722			11 652			**11 645**			11 723									10	230
16	5	11 724			11 725			**10 0**			11 726						11 0129			10	250
32	3	11 832			**11 651**															10	290
32	4	11 735			11 653			**11 646**			11 736			11 836			11 0130			10	310
32	5	11 737			11 738			**10 1**			11 739									10	325



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
16	3	11 928			**11 930**			11 931			11 932			11 933			11 934			10	205
16	4	11 935			11 908			**11 907**			11 911			11 936			11 937			10	260
16	5	11 938			11 939			**11 906**			11 940			11 941			11 942			10	280



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
16	3	11 0			**11 1**			11 2			11 050			11 169			11 031			10	210
16	4	11 3			11 4			**11 5**			11 6			11 7			11 8			10	270
16	5	11 10			11 11			**10 2**			11 030			11 043			11 09			10	290



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
16	4							**11 944**			11 945									10	320
16	5							**11 909**			11 947									10	340
32	3	11 948			**11 949**															10	390
32	4				11 955			**11 956**			11 957			11 0073						10	410
32	5	11 960			11 0322			**11 962**			11 963									10	425



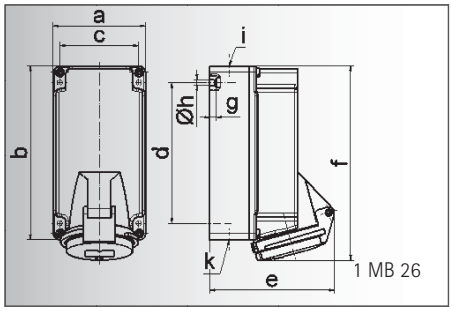
Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
16	4	11 849			**11 424**			11 344			11 425			11 616						10	340
16	5	11 0054			11 375			**10 6**			11 219						11 755			10	355
32	3	11 13			**11 14**			11 15			11 794			11 426			11 193			10	380
32	4	11 16			11 17			**11 18**			11 19			11 20			11 21			10	400
32	5	11 22			11 23			**10 3**			11 023			11 146			11 124			10	415



For further information please see Bals.com · Other voltages and frequencies are available on request.

SURFACE MOUNTING SOCKET OUTLETS ,with large wiring space

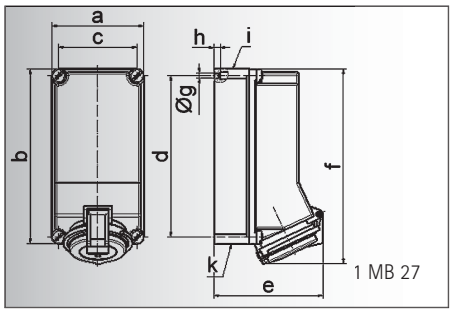
16A and 32A with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



Ampere	16	16	16
Poles	3	4	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	109,0	115,0	124,0
f	188,0	189,0	190,0
g	6,5	6,5	6,5
h ø	5,5	5,5	5,5
i	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25
Cond. mm² min	1,5	1,5	1,5
Cond. mm² max	4	4	4

Surface Mounting Socket Outlet Quick-Connect TE

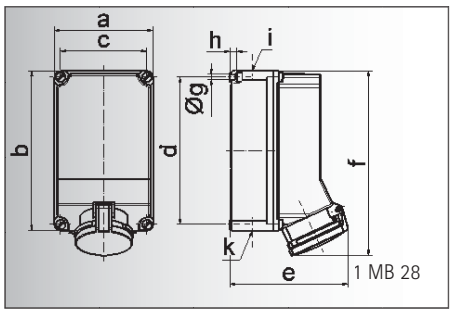
- screwless terminals
- Kontex-terminals
- high temperature resistant contact carrier
- nickel plated contacts
- with large wiring space
- protection degree IP 44



Ampere	16	32	32	32
Poles	5	3	4	5
a	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0
e	130,0	135,0	135,0	141,0
f	242,0	250,0	250,0	250,0
g ø	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0
i	2xM 25	2xM 25	2xM 25	2xM 25
k	2xM 25	2xM 25	2xM 25	2xM 25
Cond. mm² min	1,5	2,5	2,5	2,5
Cond. mm² max	4	10	10	10

Surface Mounting Socket Outlet Quick-Connect TE

- screwless terminals
- Kontex-terminals
- high temperature resistant contact carrier
- nickel plated contacts
- with large wiring space
- protection degree IP 44



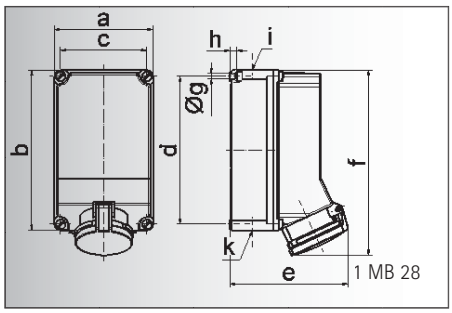
Ampere	63	63	63
Poles	3	4	5
a	160,0	160,0	160,0
b	260,0	260,0	260,0
c	140,0	140,0	140,0
d	240,0	240,0	240,0
e	184,0	184,0	184,0
f	302,0	302,0	302,0
g ø	8,1	8,1	8,1
h	10,0	10,0	10,0
i	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40
Cond. mm² min	6	6	6
Cond. mm² max	25	25	25

Surface Mounting Socket Outlet TE

- screw terminals
- Kontex-Plus
- high temperature resistant contact carrier
- box terminals
- with large wiring space
- protection degree IP 44

SURFACE MOUNTING SOCKET OUTLETS

with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



Ampere	63	63
Poles	4	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 ø	8,1	8,1
h	10,0	10,0
i	M 40	M 40
k	M 32/40	M 32/40
Cond. mm² min	6	6
Cond. mm² max	25	25

Surface Mounting Socket Outlet Quick-Connect TE

- screwless terminals
- Kontex-Plus
- high temperature resistant contact carrier
- box terminals
- with large wiring space
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

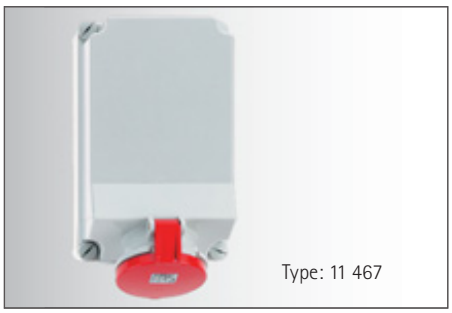
Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E 3P+E 3P+N+E		3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	11 994	**11 448**					1	380
16	4		11 995	**11 449**	11 0018			1	400
16	5			**11 451**				1	430



16	5			**11 0098**				1	680
32	3	11 996	**11 997**					1	760
32	4		11 998	**11 999**	11 0019			1	780
32	5			**11 0000**				1	830



63	3		**11 464**					1	1610
63	4			**11 465**	11 466			1	1610
63	5			**11 467**				1	1720

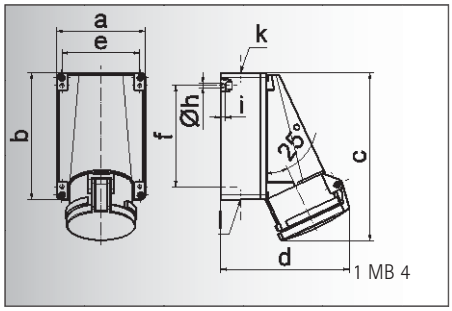


63	4			**11 0486**				1	1580
63	5			**11 0487**				1	1690



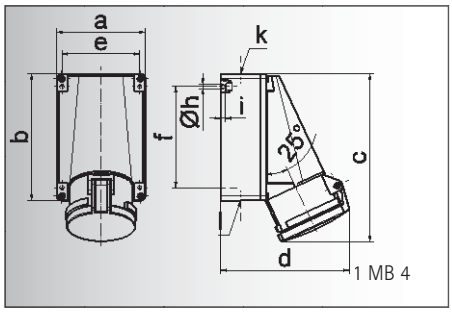
SURFACE MOUNTING SOCKET OUTLETS

63A with screwless Quick-Connect technique or box terminals
IEC 60309-1/2-1/2, DIN EN 60309-1/2, VDE 0623
protection degree IP 44, 67



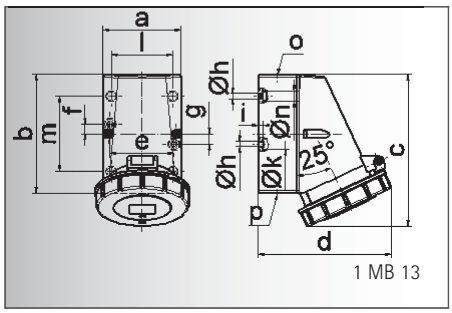
Ampere	63	63	63
Poles	3	4	5
a	118,0	118,0	118,0
b	170,0	170,0	170,0
c	223,0	223,0	223,0
d	168,0	168,0	168,0
e	104,0	104,0	104,0
f	136,0	136,0	136,0
h ø	6,1	6,1	6,1
i	6,0	6,0	6,0
k	M 40	M 40	M 40
l	M 32/32	M 32/32	M 32/32
Cond. mm² min	6	6	6
Cond. mm² max	25	25	25

Surface Mounting Socket Outlet
- screw terminals
- cable entry one at top (open), two at bottom (closed)
- Base of housing can rotate 180°
- high temperature resistant contact carrier
- Kontex-Plus
- box terminals
- protection degree IP 44



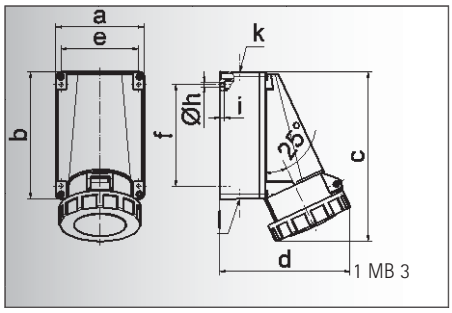
Ampere	63	63
Poles	4	5
a	118,0	118,0
b	170,0	170,0
c	223,0	223,0
d	168,0	168,0
e	104,0	104,0
f	136,0	136,0
h ø	6,1	6,1
i	6,0	6,0
k	M 40	M 40
l	M 32/32	M 32/32
Cond. mm² min	6	6
Cond. mm² max	25	25

Surface Mounting Socket Outlet Quick-Connect
- screwless terminals
- cable entry one at top (open), two at bottom (closed)
- Base of housing can rotate 180°
- high temperature resistant contact carrier
- Kontex-Plus
- box terminals
- protection degree IP 44



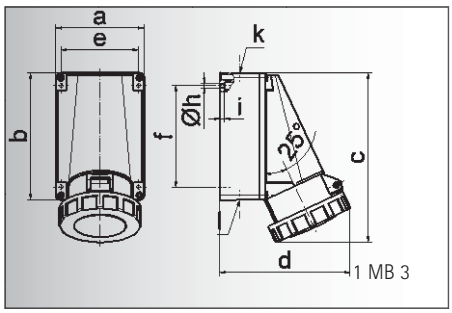
Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	64,0	75,0	75,0	83,0	83,0	83,0
b	87,0	100,0	100,0	126,0	126,0	126,0
c	115,0	130,0	130,0	160,0	160,0	160,0
d	103,0	110,0	115,0	129,0	129,0	135,0
e	51,0	59,0	59,0	68,0	68,0	68,0
f	20,0	11,0	11,0	11,0	11,0	11,0
g	20,0	-	-	-	-	-
h ø	4,1	5,1	5,1	5,5	5,5	5,5
i	4,5	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	M 20	M 20	M 20	M 25	M 25	M 25
p	for M 20	for M 20	for M 20	2 x M 25	2 x M 25	2 x M 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 one at top (open), at 16A one, at 32A two at bottom (closed)
- Base of housing can rotate 180°
- protection degree IP 67



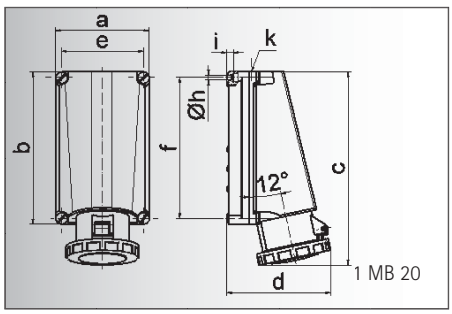
Ampere	63	63	63
Poles	3	4	5
a	118,0	118,0	118,0
b	170,0	170,0	170,0
c	228,0	228,0	228,0
d	176,0	176,0	176,0
e	104,0	104,0	104,0
f	136,0	136,0	136,0
h ø	6,1	6,1	6,1
i	6,0	6,0	6,0
k	M 40	M 40	M 40
l	M 32/32	M 32/32	M 32/32
Cond. mm² min	6	6	6
Cond. mm² max	25	25	25

Surface Mounting Socket Outlet
- screw terminals
- cable entry one at top (open), one at bottom (closed)
- high temperature resistant contact carrier
- Base of housing can rotate 180°
- Kontex-Plus
- box terminals
- protection degree IP 67



Ampere	63	63
Poles	4	5
a	118,0	118,0
b	170,0	170,0
c	228,0	228,0
d	176,0	176,0
e	104,0	104,0
f	136,0	136,0
h ø	6,1	6,1
i	6,0	6,0
k	M 40	M 40
l	M 32/32	M 32/32
Cond. mm² min	6	6
Cond. mm² max	25	25

Surface Mounting Socket Outlet Quick-Connect
- screwless terminals
- cable entry one at top (open), one at bottom (closed)
- high temperature resistant contact carrier
- Base of housing can rotate 180°
- Kontex-Plus
- box terminals
- protection degree IP 67



Ampere	125	125	125
Poles	3	4	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	M 50	M 50	M 50
Cond. mm² min	25	25	25
Cond. mm² max	70	70	70

Surface Mounting Socket Outlet
- screw terminals
- cable entry one M50 at top
- high temperature resistant contact carrier
- Kontex-Plus
- box terminals
- nickel plated contacts
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles: 2P+E (3), 3P+E (4), 3P+N+E (5)

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
63	3		11 06			**11 04**			11 07			11 795			11 345			11 640		5	825
63	4		11 25			11 26			**11 27**			11 28			11 221			11 051		5	885
63	5		11 29			11 30			**11 24**			11 208			11 429			11 08		5	930

With PILOT contact use indicated part.-no. and add index „P".



Type: 11 24



Type: 11 0415

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
63	4								**11 0415**											5	825
63	5								**11 0383**											5	885



Type: 11 55

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
16	3		11 32			**11 33**			11 34			11 320			11 350			11 027		10	230
16	4		11 35			11 36			**11 37**			11 38			11 39			11 40		10	285
16	5		11 41			11 42			**11 43**			11 343			11 390			11 342		10	320
32	3		11 44			**11 45**			11 46											10	410
32	4		11 47			11 48			**11 49**			11 50			11 51			11 52		10	425
32	5		11 53			11 54			**11 55**			11 326			11 432			11 025		10	460



Type: 11 12

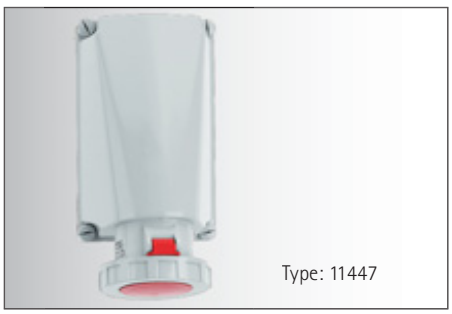
Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
63	3		11 56			**11 57**			11 58											5	865
63	4		11 59			11 60			**11 61**			11 62			11 433			11 341		5	925
63	5		11 63			11 64			**11 12**			11 017			11 368			11 126		5	970

With PILOT contact use indicated part.-no. and add index „P".



Type: 11 0413

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
63	4								**11 0416**											5	865
63	5								**11 0413**											5	925



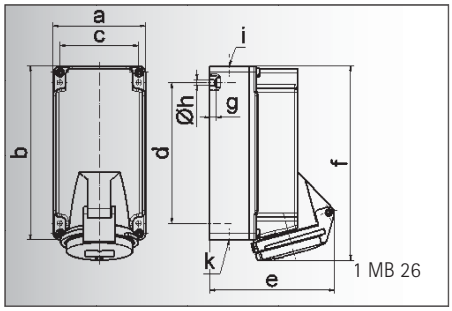
Type: 11447

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz >50V 3pol 10h	100-300Hz >50V 4pol 10h	100-300Hz >50V 5pol 10h	301-500Hz >50V 3pol 2h	301-500Hz >50V 4pol 2h	301-500Hz >50V 5pol 2h	Qty	g each
125	3		11 436			**11 437**			11 438											1	1570
125	4		11 439			11 440			**11 441**			11 442			11 443			11 444		1	2040
125	5		11 445			11 446			**11 447**											1	2135

With PILOT contact use indicated part.-no. and add index „P".

SURFACE MOUNTING SOCKET OUTLETS ,with large wiring space

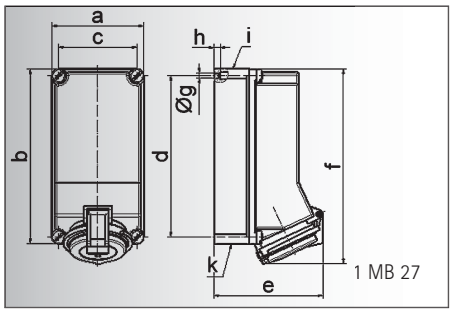
16A and 32A with screwless Quick-Connect technique
IEC 309 1/2, EN 60309, VDE 0623
protection degree IP 44



Ampere	16	16	16
Poles	3	4	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	109,0	115,0	124,0
f	188,0	189,0	190,0
g	6,5	6,5	6,5
h ø	5,5	5,5	5,5
i	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25
Cond. mm² min	1,5	1,5	1,5
Cond. mm² max	4	4	4

Surface Mounting Socket Outlet Quick-Connect TE

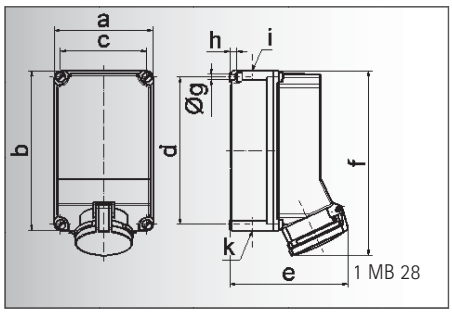
- screwless terminals
- Kontex-terminals
- high temperature resistant contact carrier
- nickel plated contacts
- with large wiring space
- protection degree IP 44



Ampere	16	32	32	32
Poles	5	3	4	5
a	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0
e	130,0	135,0	135,0	141,0
f	242,0	250,0	250,0	250,0
g ø	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0
i	2xM 25	2xM 25	2xM 25	2xM 25
k	2xM 25	2xM 25	2xM 25	2xM 25
Cond. mm² min	1,5	2,5	2,5	2,5
Cond. mm² max	4	10	10	10

Surface Mounting Socket Outlet Quick-Connect TE

- screwless terminals
- Kontex-terminals
- high temperature resistant contact carrier
- nickel plated contacts
- with large wiring space
- protection degree IP 44



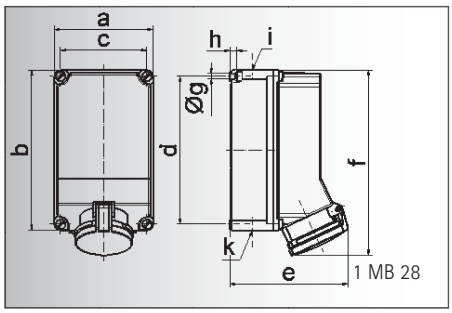
Ampere	63	63	63
Poles	3	4	5
a	160,0	160,0	160,0
b	260,0	260,0	260,0
c	140,0	140,0	140,0
d	240,0	240,0	240,0
e	184,0	184,0	184,0
f	302,0	302,0	302,0
g ø	8,1	8,1	8,1
h	10,0	10,0	10,0
i	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40
Cond. mm² min	6	6	6
Cond. mm² max	25	25	25

Surface Mounting Socket Outlet TE

- screw terminals
- Kontex-Plus
- high temperature resistant contact carrier
- box terminals
- with large wiring space
- protection degree IP 44

SURFACE MOUNTING SOCKET OUTLETS

with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



Ampere	63	63
Poles	4	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 ø	8,1	8,1
h	10,0	10,0
i	M 40	M 40
k	M 32/40	M 32/40
Cond. mm² min	6	6
Cond. mm² max	25	25

Surface Mounting Socket Outlet Quick-Connect TE

- screwless terminals
- Kontex-Plus
- high temperature resistant contact carrier
- box terminals
- with large wiring space
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

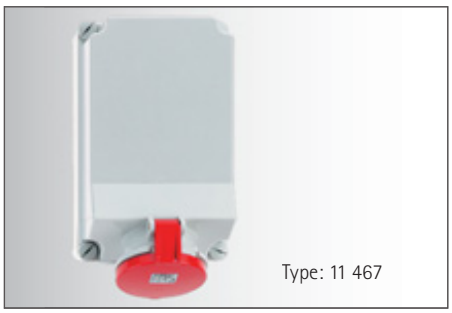
Bals ELEKTROTECHNIK



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3		11 994			**11 448**														1	380
16	4					11 995			**11 449**			11 0018								1	400
16	5								**11 451**											1	430



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	5								**11 0098**											1	680
32	3		11 996			**11 997**														1	760
32	4					11 998			**11 999**			11 0019								1	780
32	5								**11 0000**											1	830



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	3				**11 464**															1	1610
63	4								**11 465**			11 466								1	1610
63	5								**11 467**											1	1720

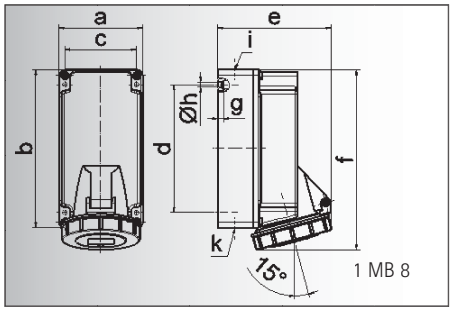
With PILOT contact use indicated part.-no. and add index „P".



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	4								**11 0486**											1	1580
63	5								**11 0487**											1	1690

SURFACE MOUNTING SOCKET OUTLETS ,with large wiring space

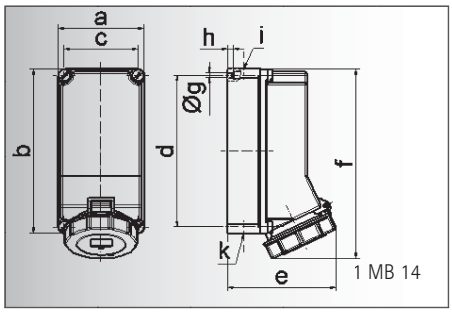
16A, 32A and 63A with screwless Quick-Connect technique or (63A and 125A) with box terminals
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



1 MB 8

Ampere	16	16	16
Poles	3	4	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	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25
Cond. mm² min	1,5	1,5	1,5
Cond. mm² max	4	4	4

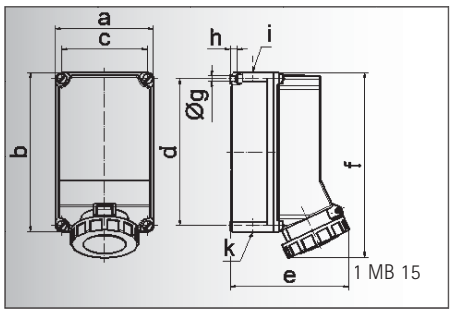
Surface Mounting Socket Outlet Quick-Connect TE
- screwless terminals
- Kontex-terminals
- high temperature resistant contact carrier
- nickel plated contacts
- with large wiring space
- protection degree IP 67



1 MB 14

Ampere	32	32	32
Poles	3	4	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	2xM 25	2xM 25	2xM 25
k	2xM 25	2xM 25	2xM 25
Cond. mm² min	2,5	2,5	2,5
Cond. mm² max	10	10	10

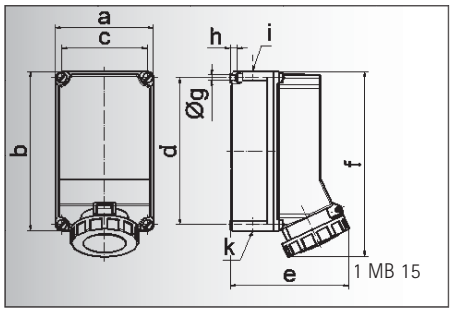
Surface Mounting Socket Outlet Quick-Connect TE
- screwless terminals
- Kontex-terminals
- high temperature resistant contact carrier
- nickel plated contacts
- with large wiring space
- protection degree IP 67



1 MB 15

Ampere	63	63	63
Poles	3	4	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 ø	8,1	8,1	8,1
h	10,0	10,0	10,0
i	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40
Cond. mm² min	6	6	6
Cond. mm² max	25	25	25

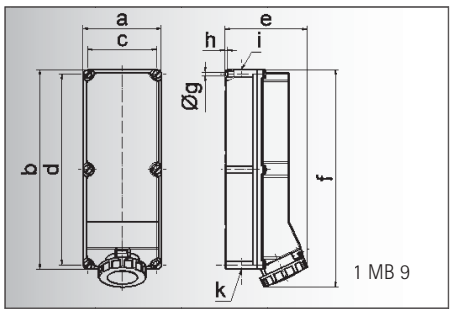
Surface Mounting Socket Outlet
- screw terminals
- Kontex-Plus
- high temperature resistant contact carrier
- box terminals
- with large wiring space
- protection degree IP 67



1 MB 15

Ampere	63	63
Poles	4	5
a	160,0	160,0
b	260,0	260,0
c	40,0	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	M 40	M 40
k	M 32/40	M 32/40
Cond. mm² min	6	6
Cond. mm² max	25	25

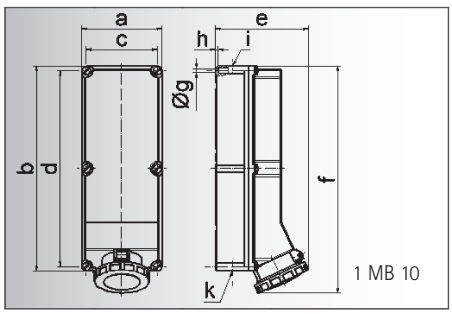
Surface Mounting Socket Outlet Quick-Connect
- screwless terminals
- Kontex-Plus
- high temperature resistant contact carrier
- box terminals
- with large wiring space
- protection degree IP 67



1 MB 9

Ampere	63	63	63
Poles	3	4	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	191,0	191,0	191,0
f	500,0	500,0	500,0
g ø	8,3	8,3	8,3
h	6,5	6,5	6,5
i	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40
Cond. mm² min	6	6	6
Cond. mm² max	25	25	25

Surface Mounting Socket Outlet
- screw terminals
- Kontex-Plus
- high temperature resistant contact carrier
- box terminals
- with large wiring space
- protection degree IP 67



1 MB 10

Ampere	125	125	125
Poles	3	4	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	M 40	M 40	M 40
k	M 40/50	M 40/50	M 40/50
Cond. mm² min	25	25	25
Cond. mm² max	70	70	70

Surface Mounting Socket Outlet
- screw terminals
- Kontex-Plus
- high temperature resistant contact carrier
- box terminals
- nickel plated contacts
- with large wiring space
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Poles		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
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3		**11 452**					1	410
16	4		11 790	**11 453**	11 0020			1	430
16	5			**11 455**				1	460

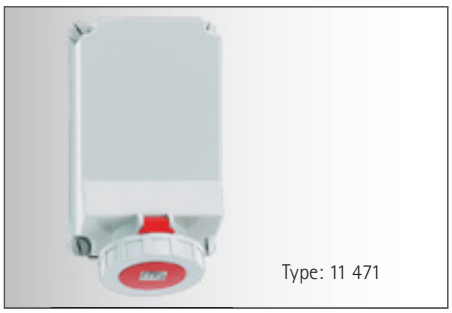


32	3		**11 0014**					1	780
32	4		11 791	**11 0015**	11 0016			1	800
32	5			**11 0017**				1	850



63	3		**11 468**					1	1650
63	4			**11 469**	11 470			1	1650
63	5			**11 471**				1	1760

With PILOT contact use indicated part.-no. and add index „P".



63	4			**11 0488**				1	1620
63	5			**11 0489**				1	1730



63	3		**11 472**					2	4150
63	4			**11 473**	11 474			2	4200
63	5			**11 475**				2	4350

With PILOT contact use indicated part.-no. and add index „P".



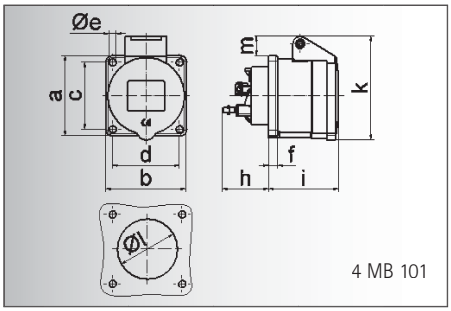
125	3		**11 476**					2	5300
125	4			**11 477**	11 478			2	5350
125	5			**11 479**				2	5500

With PILOT contact use indicated part.-no. and add index „P".



PANEL MOUNTING SOCKET OUTLETS, straight

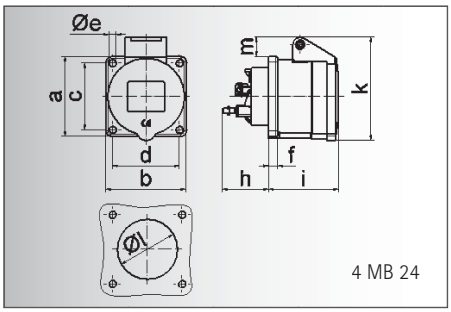
with screwless Quick-Connect technique or screw connection
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



4 MB 101

Ampere	16	16
Poles	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

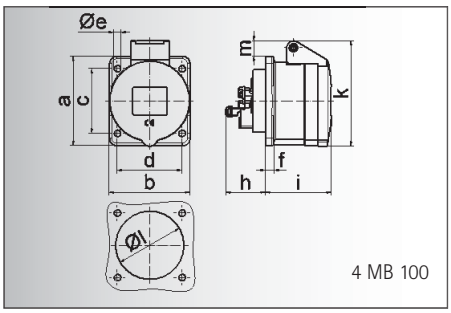
Panel mounting socket outlet Quick-Connect
- screwless terminals
- Kontex-terminals
- Flange 56 x 56 mm at 16A 3p, 60 x 60 mm at 16A 4p
- protection degree IP 44



4 MB 24

Ampere	16	16
Poles	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

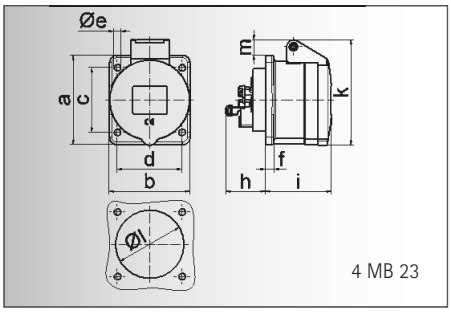
Panel mounting socket outlet
- Flange 56 x 56 mm at 16A 3p, 60 x 60 mm at 16A 4p
- protection degree IP 44



4 MB 100

Ampere	16	16	16
Poles	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

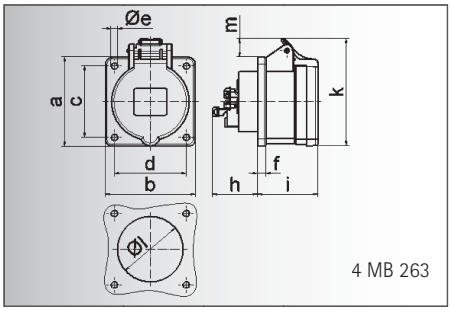
Panel mounting socket outlet Quick-Connect
- screwless terminals
- Kontex-terminals
- Flange 62 x 62 mm at 16A 3p, 72 x 65 mm at 16A 4p a. 5p
- protection degree IP 44



4 MB 23

Ampere	16	16	16
Poles	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

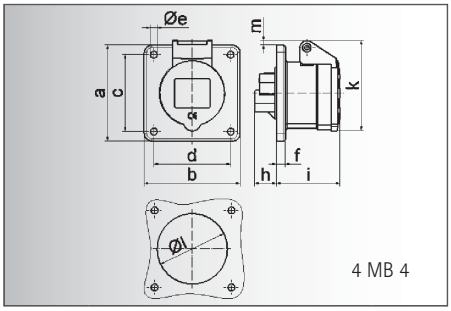
Panel mounting socket outlet
- Flange 62 x 62 mm at 16A 3p, 72 x 65 mm at 16A 4p and 5p
- protection degree IP 44



4 MB 263

Ampere	16	16	16	32	32	32
Poles	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

Panel mounting socket outlet Quick-Connect
- screwless terminals
- Kontex-terminals
- Flange 75 x 75 mm
- protection degree IP 44



4 MB 4

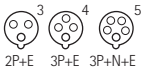
Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	75,0	75,0	75,0	75,0	75,0	75,0
b	75,0	75,0	75,0	75,0	75,0	75,0
c	60,0	60,0	60,0	60,0	60,0	60,0
d	60,0	60,0	60,0	60,0	60,0	60,0
e ø	5,5	5,5	5,5	5,5	5,5	5,5
f	7,0	7,0	7,0	8,0	8,0	8,0
h	17,0	26,0	17,0	36,0	36,0	19,0
i	51,0	53,0	53,0	62,0	62,0	62,0
k	70,0	80,0	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

Panel mounting socket outlet
- screw terminals
- Flange 75 x 75 mm
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles



2P+E 3P+E 3P+N+E

Ampere	Poles	110V 50-60 Hz 3pol 4h	4pol 4h	5pol 4h	230V 50-60 Hz 3pol 6h	4pol 9h	5pol 9h	400V 50-60 Hz 3pol 9h	4pol 6h	5pol 6h	500V 50-60 Hz 3pol 7h	4pol 7h	5pol 7h	100-300Hz > 50V 3pol 10h	4pol 10h	5pol 10h	301-500Hz > 50V 3pol 2h	4pol 2h	5pol 2h	Qty	g each
16	3	13 656			**13 646**			13 657			13 658			13 659			13 660			10	120
16	4	13 661			13 662			**13 663**			13 664			13 665			13 666			10	120



Type: 13 663

16	3	13 0			**13 1**			13 2			13 590			13 381			13 217			10	120
16	4	13 015			13 016			**13 017**			13 018			13 019			13 020			10	155


Type: 13 017

16	3	13 667			**13 668**			13 669			13 670			13 671			13 672			10	115
16	4	13 673			13 674			**13 675**			13 676			13 677			13 678			10	125
16	5	13 679			13 680			**13 681**			13 682			13 683			13 684			10	145



Type: 13 681

16	3	13 10			**13 11**			13 12			13 591			13 246			13 071			10	125
16	4	13 13			13 14			**13 15**			13 16			13 17			13 18			10	160
16	5	13 19			13 20			**13 21**			13 072			13 316			13 088			10	175


Type: 13 21

16	3	13 685			**13 686**			13 687			13 688			13 689			13 690			10	125
16	4	13 691			13 692			**13 693**			13 694			13 695			13 696			10	130
16	5	13 697			13 698			**13 2001**			13 699			13 700			13 701			10	150
32	3	13 702			**13 703**			13 704			13 705			13 706			13 707			10	215
32	4	13 708			13 709			**13 710**			13 711			13 712			13 713			10	235
32	5	13 714			13 715			**13 2002**			13 716			13 717			13 718			10	250



Type: 13 2001

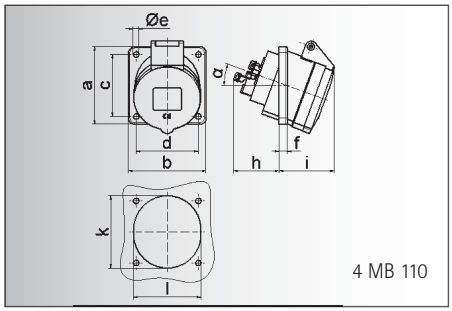
16	3	13 000			**13 001**			13 002			13 042			13 216			13 053			10	140
16	4	13 22			13 23			**13 24**			13 25			13 26			13 27			10	170
16	5	13 003			13 004			**13 005**			13 043			13 034			13 033			10	180
32	3	13006			**13 007**			13 008			13 058			13 076			13 313			10	230
32	4	13 009			13 010			**13 011**			13 012			13 013			13 014			10	240
32	5	13 31			13 32			**13 33**			13 167			13 173			13 050			10	260


Type: 13 33

For further information please see Bals.com · Other voltages and frequencies are available on request.

PANEL MOUNTING SOCKET OUTLETS, angled

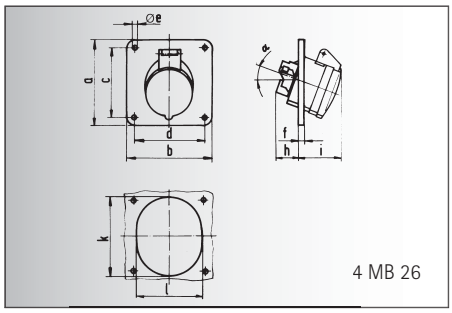
16A and 32A with screwless Quick-Connect technique or screw terminals
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



4 MB 110

Ampere	16
Poles	5
a	75,0
b	75,0
c	60,0
d	60,0
e ø	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

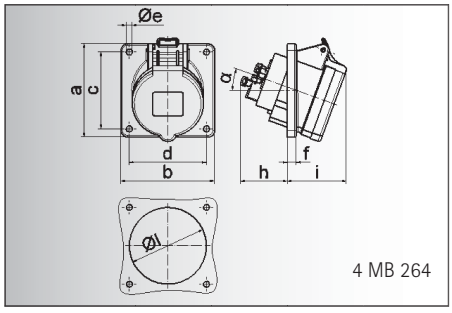
Panel mounting socket outlet Quick-Connect
- screwless terminals
- angled 20°
- Kontex-terminals
- Flange 75 x 75 mm
- protection degree IP 44



4 MB 26

Ampere	16
Poles	5
a	75,0
b	75,0
c	60,0
d	60,0
e ø	5,5
f	8,0
h	30,0
i	54,0
k	70,0
l	65,0
α	20°
Cond. mm² min	1,5
Cond. mm² max	4

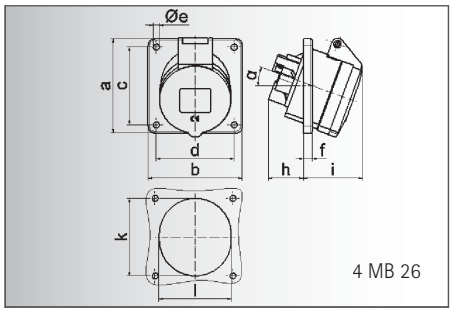
Panel mounting socket outlet
- angled 20°
- Kontex-terminals
- Flange 75 x 75 mm
- protection degree IP 44



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 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	50,0	51,0	54,0	60,0	60,0	60,0
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

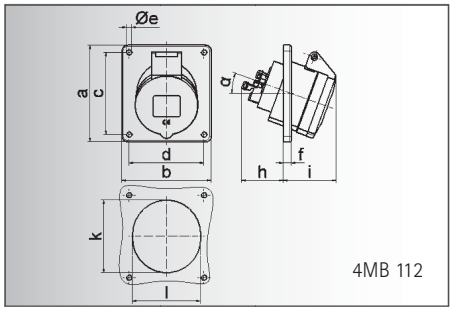
Panel mounting socket outlet Quick-Connect
- screwless terminals
- angled 20°
- Kontex-terminals
- Flange 85 x 85 mm
- protection degree IP 44



4 MB 26

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 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
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

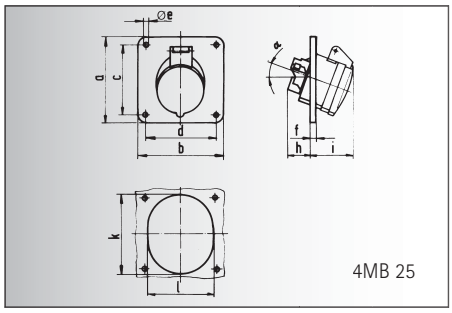
Panel mounting socket outlet
- screw terminals
- angled 20°
- Flange 85 x 85 mm
- protection degree IP 44



4MB 112

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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
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
- angled 20°
- Kontex-terminals
- Flange 74 x 62 mm at 16A 3p, 100 x 92 mm for the other versions
- protection degree IP 44



4MB 25

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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	30,0	30,0	29,0	50,0	50,0	34,0
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
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
- angled 20°
- Kontex-terminals
- Flange 74 x 62 mm at 16A 3p, 100 x 92 mm for the other versions
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.



Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16		5	12 743			12 744			**12 2001**			12 745			12 746			12 747			10	165



Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16		5	12 10			12 11			**12 12**			12 319			12 192			12 507			10	190



Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16		3	12 748			**12 749**			12 750			12 751			12 861			12 752			10	135
16		4	12 862			12 863			**12 753**			12 864			12 754			12 865			10	155
16		5	12 755			12 756			**12 757**			12 758			12 866			12 759			10	175
32		3	12 760			**12 761**			12 867			12 762			12 868			12 869			10	215
32		4	12 870			12 763			**12 764**			12 765			12 871			12 872			10	235
32		5	12 766			12 767			**12 768**			12 769			12 770			12 873			10	250

May be fitted with auxiliary contact see page 207.



Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16		3	12 079			**12 080**			12 081			12 485			12 952			12 483			10	150
16		4							**12 500**			12 520									10	185
16		5	12 076			12 077			**12 078**			12 491						12 848			10	195
32		3	12 324			**12 310**															10	210
32		4				12 325			**12 311**			12 368									10	230
32		5	12 13			12 14			**12 15**			12 369			12 217						10	235



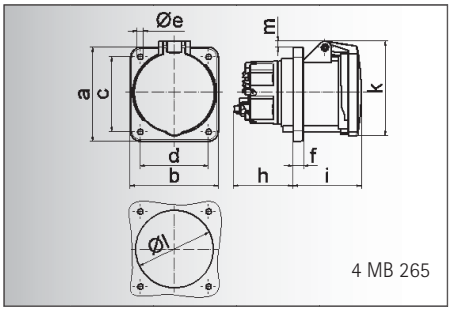
Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16		3	12 771			**12 772**			12 773			12 774			12 775			12 776			10	120
16		4	12 777			12 778			**12 779**			12 780			12 781			12 782			10	175
16		5	12 783			12 784			**12 730**			12 785			12 786			12 787			10	195
32		3	12 788			**12 789**			12 790			12 874			12 791			12 792			10	230
32		4	12 793			12 794			**12 795**			12 796			12 797			12 798			10	250
32		5	12799			12 800			**12 801**			12 802			12 803			12 804			10	265



Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16		3	12 16			**12 17**			12 18			12 037			12 199			12 148			10	130
16		4	12 19			12 20			**12 21**			12 22			12 23			12 24			10	190
16		5	12 25			12 26			**12 27**			12 022			12 316			12 197			10	215
32		3	12 28			**12 29**			12 30						12 202			12 219			10	250
32		4	12 31			12 32			**12 33**			12 34			12 35			12 36			10	260
32		5	12 37			12 38			**12 39**			12 062			12 075			12 012			10	265

PANEL MOUNTING SOCKET OUTLETS, straight and angled

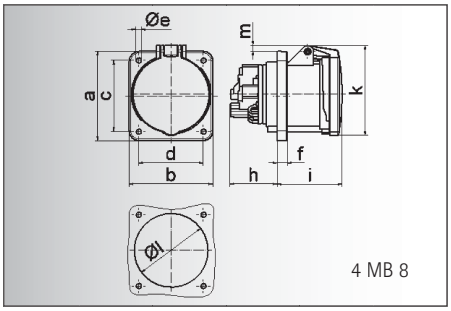
63A with screwless Quick-Connect technique or box terminals
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



4 MB 265

Ampere	63	63
Poles	4	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

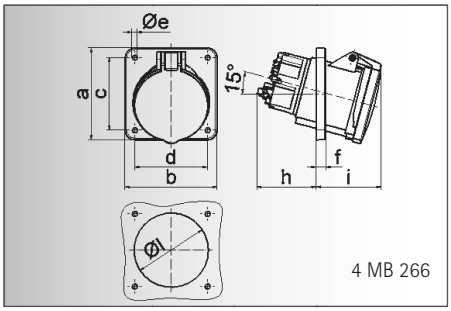
Panel mounting socket outlet Quick-Connect
- screwless terminals
- Flange 107 x 100 mm
- high temperature resistant contact carrier
- Kontex-Plus
- box terminals
- protection degree IP 44



4 MB 8

Ampere	63	63	63
Poles	3	4	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

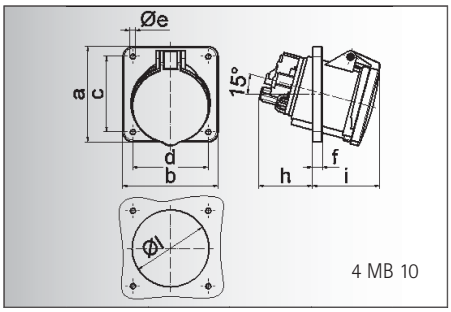
Panel mounting socket outlet
- screw terminals
- Flange 107 x 100 mm
- high temperature resistant contact carrier
- Kontex-Plus
- box terminals
- protection degree IP 44



4 MB 266

Ampere	63	63
Poles	4	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

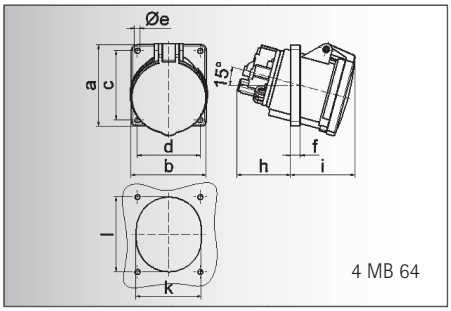
Panel mounting socket outlet Quick-Connect
- screwless terminals
- angled 15°
- Flange 114 x 114 mm
- high temperature resistant contact carrier
- Kontex-Plus
- nickel plated contacts
- box terminals
- protection degree IP 44



4 MB 10

Ampere	63	63	63
Poles	3	4	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
- screw terminals
- angled 15°
- Flange 114 x 114 mm
- high temperature resistant contact carrier
- Kontex-Plus
- box terminals
- protection degree IP 44



4 MB 64

Ampere	63	63	63
Poles	3	4	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
- angled 15°
- Flange 100 x 92 mm
- high temperature resistant contact carrier
- Kontex-Plus
- box terminals
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK



Poles		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
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
63	4			**13 0130**				5	510
63	5			**13 0114**				5	570



63	3	13 06	**13 07**	13 08	13 592	13 254		5	495
63	4	13 09	13 04	**13 4**	13 01	13 320	13 077	5	555
63	5	13 140	13 05	**13 6**	13 168	13 321	13 051	5	600

With PILOT contact use indicated part.-no. and add index „P".



63	4			**12 0321**				5	540
63	5			**12 0306**				5	585



63	3	12 134	**12 135**	12 136		12 381	12 230	5	510
63	4	12 137	12 07	**12 01**	12 04	12 382	12 153	5	570
63	5	12 138	12 08	**12 02**	12 195	12 383		5	615

With PILOT contact use indicated part.-no. and add index „P".

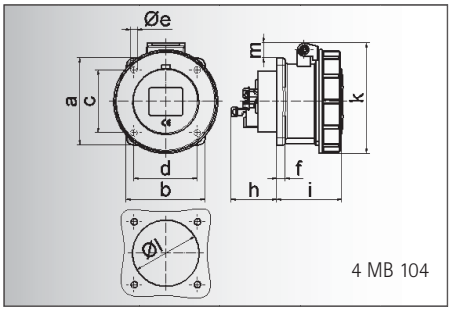


63	3		**12 563**					10	485
63	4			**12 074**	12 565			10	545
63	5	12 566	12 568	**12 567**				10	590

With PILOT contact use indicated part.-no. and add index „P".

PANEL MOUNTING SOCKET OUTLETS, straight

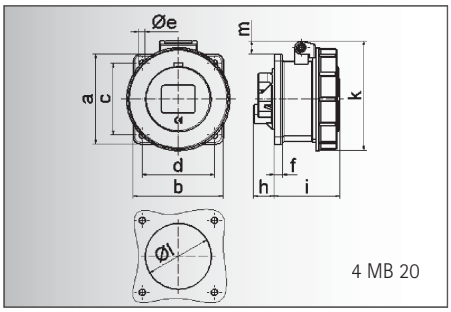
with screwless Quick-Connect technique or screw connection
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



4 MB 104

Ampere	16	16	16
Poles	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	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

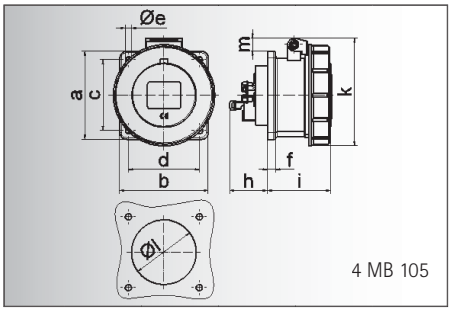
Panel mounting socket outlet Quick-Connect
- screwless terminals
- Kontex-terminals
- Flange 62 x 62 mm at 16A 3p, 72 x 65 mm at 16A 4p and 5p
- protection degree IP 67



4 MB 20

Ampere	16	16	16
Poles	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	17,0	26,0	17,0
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

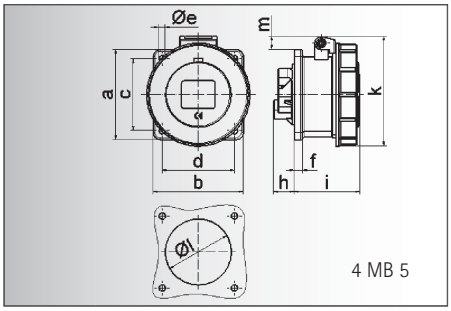
Panel mounting socket outlet
- Flange 62 x 62 mm at 16A 3p, 72 x 65 mm at 16A 4p and 5p
- protection degree IP 67



4 MB 105

Ampere	16	16	16	32	32	32
Poles	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	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 terminals
- Kontex-terminals
- Flange 75 x 75 mm
- protection degree IP 67



4 MB 5

Ampere	16	16	16	32	32	32
Poles	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	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
- Flange 75 x 75 mm
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK



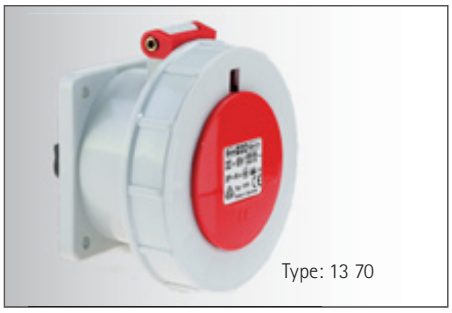
Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E 3P+E 3P+N+E		3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	13 719	**13 720**	13 721		13 722	13 723	10	155
16	4	13 724	13 725	**13 726**	13 727	13 728	13 729	10	195
16	5	13 730	13 731	**13 732**				10	210



16	3	13 56	**13 57**	13 58		13 259	13 258	10	155
16	4	13 59	13 60	**13 61**	13 62	13 63	13 64	10	195
16	5	13 65	13 66	**13 67**				10	210



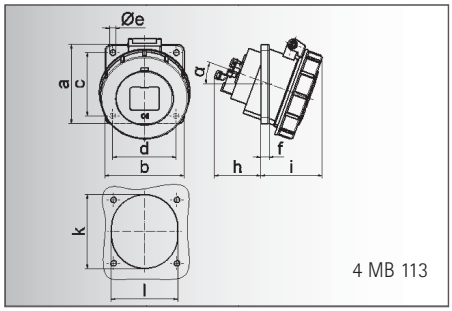
16	3	13 733	**13 734**	13 735		13 736		10	155
16	4	13 737	13 738	**13 739**	13 740	13 741	13 742	10	185
16	5	13 743	13 744	**13 745**	13 746	13 747	13 748	10	205
32	3	13 749	**13 750**	13 751		13 752	13 753	10	260
32	4	13 754	13 755	**13 756**	13 757	13 758	13 759	10	275
32	5	13 760	13 761	**13 762**	13 763	13 764	13 765	10	290



16	3	13 71	**13 72**	13 73		13 265		10	
16	4	13 74	13 75	**13 76**	13 77	13 78	13 79	10	
16	5	13 80	13 81	**13 82**	13 044	13 379	13 380	10	
32	3	13 023	**13 024**	13 025		13 264	13 432	10	
32	4	13 026	13 027	**13 028**	13 029	13 030	13 031	10	
32	5	13 68	13 69	**13 70**	13 376	13 377	13 378	10	

PANEL MOUNTING SOCKET OUTLETS, angled

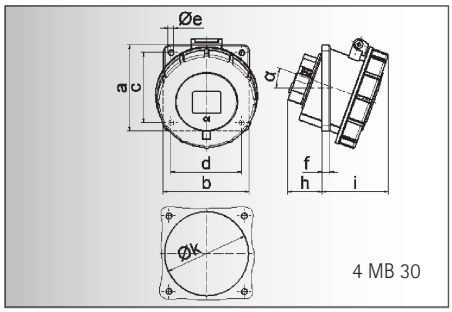
with screwless Quick-Connect technique or screw connection
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



4 MB 113

Ampere	16	16
Poles	3	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

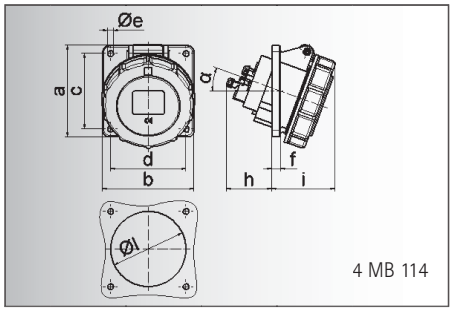
Panel mounting socket outlet Quick-Connect
- screwless terminals
- angled 20°
- Kontex-terminals
- Flange 68 x 62 mm at 16A 3p, 75 x 75 mm at 16A 5p
- protection degree IP 67



4 MB 30

Ampere	16	16
Poles	3	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	30,0	31,0
i	57,0	60,0
k	-	-
l	56,0	70,0
m	51,0	63,0
α	20°	20°
Cond. mm² min	1,5	1,5
Cond. mm² max	4	4

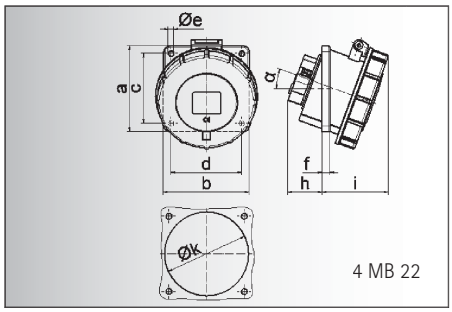
Panel mounting socket outlet
- screw terminals
- angled 20°
- Flange 68 x 62 mm at 16A 3p, 75 x 75 mm at 16A 5p
- protection degree IP 67



4 MB 114

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 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

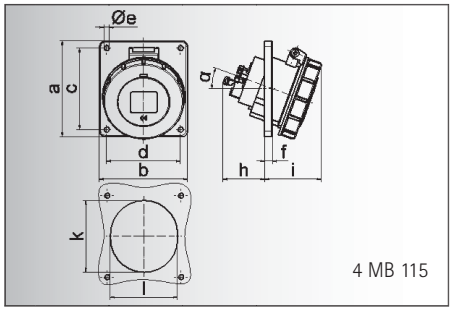
Panel mounting socket outlet Quick-Connect
- screwless terminals
- angled 20°
- Kontex-terminals
- Flange 85 x 85 mm
- protection degree IP 67



4 MB 22

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 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
m	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

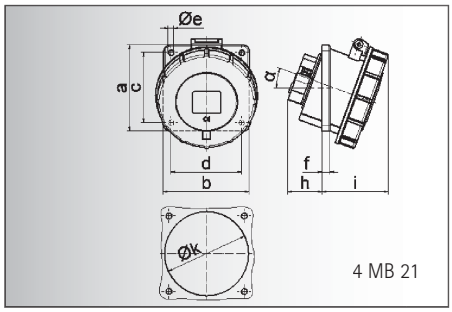
Panel mounting socket outlet
- screw terminals
- angled 20°
- Flange 85 x 85 mm
- protection degree IP 67



4 MB 115

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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 outlet Quick-Connect
- screwless terminals
- angled 20°
- Kontex-terminals
- Flange 74 x 62 mm at 16A 3p, 100 x 92 mm for the other versions
- protection degree IP 67



4 MB 21

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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	30,0	28,5	29,0	50,0	50,0	34,0
i	55,0	57,5	60,0	67,0	67,0	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 outlet
- screw terminals
- angled 20°
- Flange 74 x 62 mm at 16A 3p, 100 x 92 mm for the other versions
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.



Poles		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
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	12 808	**12 809**					10	160
16	5	12 810	12 811	**12 812**				10	215



16	3		**12 183**					10	160
16	5	12 59	12 60	**12 61**				10	215



16	3	12 917	**12 813**					10	190
16	4		12 929	**12 814**	12 930			10	215
16	5	12 815	12 816	**12 817**				10	240
32	3	12 818	**12 819**					10	275
32	4		12 820	**12 821**	12 931			10	295
32	5	12 822	12 823	**12 824**				10	335

May be fitted with auxiliary contact see page 207.



16	3		**12 231**					10	185
16	4			**12 502**				10	215
16	5	12 082	12 083	**12 084**	12 717			10	240
32	3	12 326	**12 327**					10	280
32	4		12 328	**12 329**	12 614			10	290
32	5	12 62	12 63	**12 64**				10	300



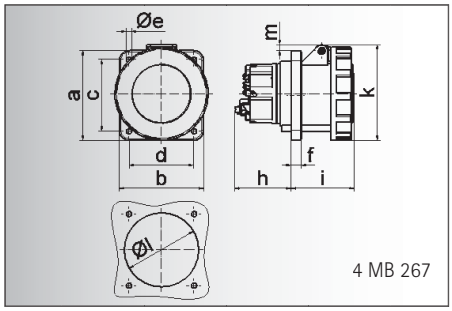
16	3	12 825	**12 826**					10	160
16	4	12 831	12 832	**12 833**	12 834	12 835	12 836	10	220
16	5	12 837	12 838	**12 839**	12 840	12 841	12 842	10	250
32	3	12 843	**12 844**					10	315
32	4	12 846	12 847	**12 848**	12 849	12 850	12 851	10	330
32	5	12 852	12 853	**12 854**	12 855	12 856	12 857	10	320



16	3	12 65	**12 66**	12 67	12 314	12 302	12 204	10	160
16	4	12 68	12 69	**12 70**	12 71	12 72	12 73	10	220
16	5	12 74	12 75	**12 76**	12 656	12 384	12 151	10	250
32	3	12 77	**12 78**	**12 79**				10	315
32	4	12 80	12 81	**12 82**	12 83	12 84	12 85	10	330
32	5	12 86	12 87	**12 88**	12 529	12 385	12 152	10	320

PANEL MOUNTING SOCKET OUTLETS, straight

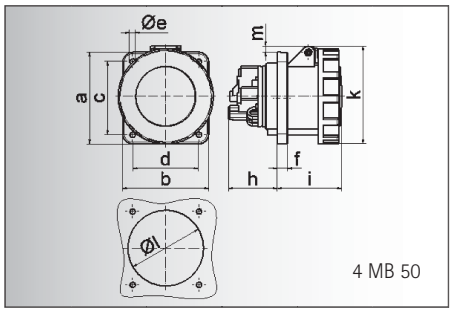
with screwless Quick-Connect technique or box terminals
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



4 MB 267

Ampere	63	63
Poles	4	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

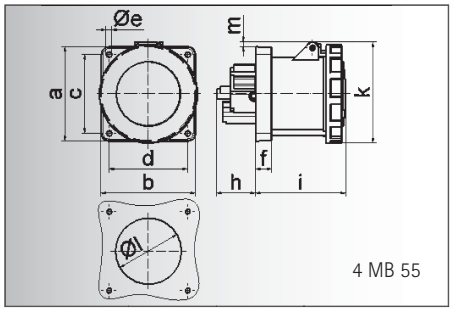
Panel mounting socket outlet Quick-Connect
- screwless terminals
- Flange 107 x 100 mm
- high temperature resistant contact carrier
- nickel plated contacts
- Kontex-Plus
- box terminals
- protection degree IP 67



4 MB 50

Ampere	63	63	63
Poles	3	4	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

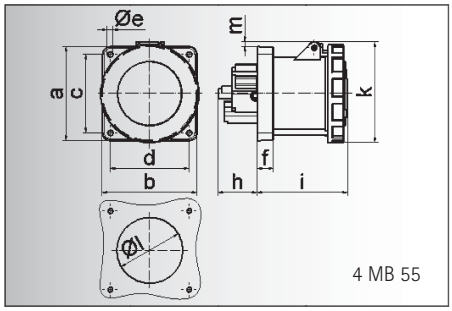
Panel mounting socket outlet
- screw terminals
- Flange 107 x 100 mm
- high temperature resistant contact carrier
- nickel plated contacts
- Kontex-Plus
- box terminals
- protection degree IP 67



4 MB 55

Ampere	125	125	125
Poles	3	4	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 120 x 120 mm
- high temperature resistant contact carrier
- nickel plated contacts
- Kontex-Plus
- box terminals
- protection degree IP 67



4 MB 55

Ampere	125	125	125
Poles	3	4	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 outlet
- screw terminals
- Flange 130 x 130 mm
- high temperature resistant contact carrier
- nickel plated contacts
- Kontex-Plus
- box terminals
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles: 2P+E (3), 3P+E (4), 3P+N+E (5)

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	4							**13 0131**												5	565
63	5							**13 0119**												5	610



Type: 13 0119

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	3	13 95			**13 96**			13 97												5	535
63	4	13 98			13 99			**13 100**			13 101									5	595
63	5	13 102			13 103			**13 104**												5	640

With PILOT contact use indicated part.-no. and add index „P".


Type: 13 104

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
125	3	13 445			**13 452**															5	1030
125	4				13 449			**13 447**			13 448									5	1090
125	5							**13 451**												5	1195

With PILOT contact use indicated part.-no. and add index „P".


Type: 13 451

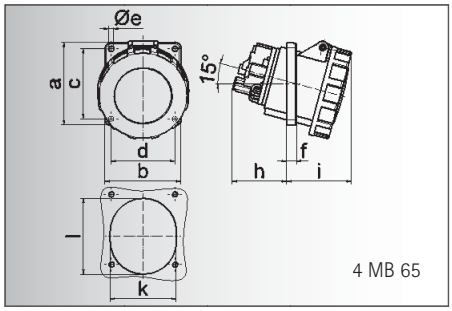
Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
125	3				**13 434**															5	1100
125	4				13 442			**13 435**			13 515									5	1260
125	5							**13 436**												5	1380

With PILOT contact use indicated part.-no. and add index „P".


Type: 13 436

PANEL MOUNTING SOCKET OUTLETS, angled

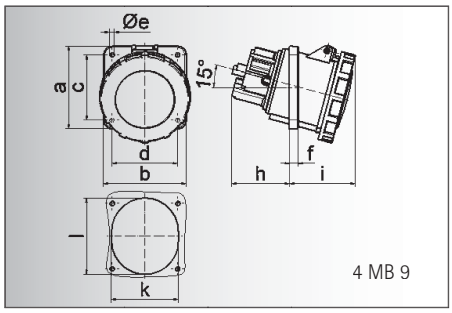
with screwless Quick-Connect technique or box terminals
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



4 MB 65

Ampere	63	63	63
Poles	3	4	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

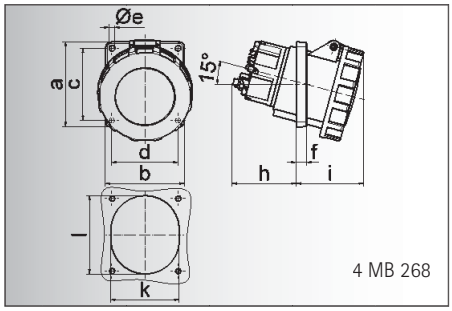
Panel mounting socket outlet
- screw terminals
- angled 15°
- Flange 100 x 92 mm
- high temperature resistant contact carrier
- nickel plated contacts
- Kontex-Plus
- box terminals
- protection degree IP 67



4 MB 9

Ampere	63	63	63
Poles	3	4	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

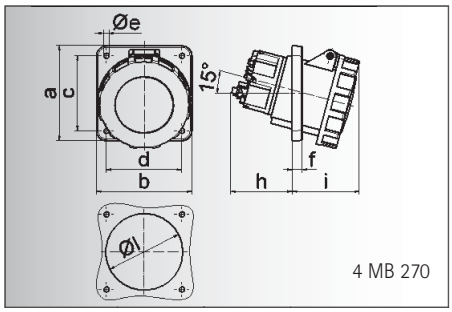
Panel mounting socket outlet
- screw terminals
- angled 15°
- Flange 114 x 114 mm
- high temperature resistant contact carrier
- nickel plated contacts
- Kontex-Plus
- box terminals
- protection degree IP 67



4 MB 268

Ampere	63	63
Poles	4	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

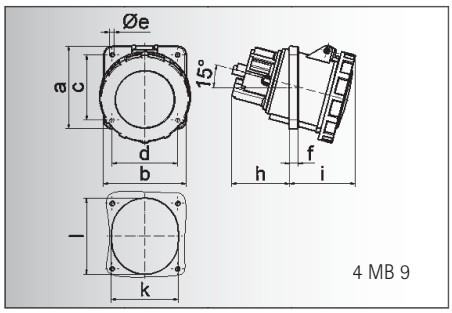
Panel mounting socket outlet Quick-Connect
- screwless terminals
- angled 15°
- Flange 100 x 92 mm
- high temperature resistant contact carrier
- nickel plated contacts
- Kontex-Plus
- box terminals
- protection degree IP 67



4 MB 270

Ampere	63	63
Poles	4	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 Quick-Connect
- screwless terminals
- angled 15°
- Flange 114 x 114 mm
- high temperature resistant contact carrier
- nickel plated contacts
- Kontex-Plus
- box terminals
- protection degree IP 67



4 MB 9

Ampere	125	125	125
Poles	3	4	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

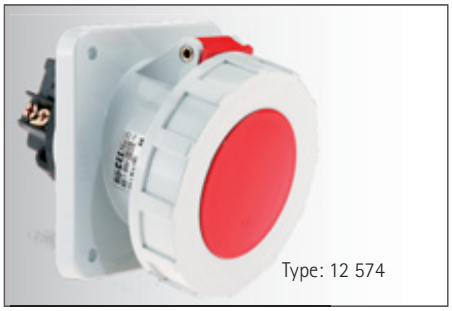
Panel mounting socket outlet
- screw terminals
- angled 15°
- Flange 114 x 114 mm
- high temperature resistant contact carrier
- nickel plated contacts
- Kontex-Plus
- box terminals
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

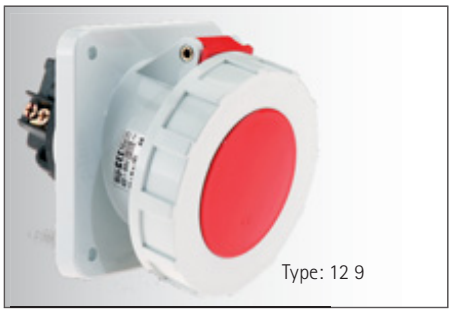
Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E 3P+E 3P+N+E		3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
63	3		**12 569**					10	535
63	4		12 032	**12 570**	12 571			10	595
63	5	12 572	12 573	**12 574**				10	640

With PILOT contact use indicated part.-no. and add index „P".


Type: 12 574

63	3	12 000	**12 001**	12 002				5	560
63	4	12 003	12 05	**12 00**	12 03	12 035	12 233	5	620
63	5	12 004	12 06	**12 9**	12 039	12 389	12 171	5	665

With PILOT contact use indicated part.-no. and add index „P".


Type: 12 9

63	4			**12 0320**				10	565
63	5			**12 0274**				10	610



Type: 12 0274

63	4			**12 0322**				5	590
63	5			**12 0307**				5	635



Type: 12 0307

125	3	12 99	**12 100**	12 101				5	905
125	4	12 102	12 103	**12 104**	12 105	12 320	12 278	5	965
125	5	12 106	12 107	**12 108**	12 133	12 334	12 055	5	1070

With PILOT contact use indicated part.-no. and add index „P".


Type: 12 108



PLUGS, APPLIANCE INLETS AND PHASE INVERTERS

PLUGS, APPLIANCE INLETS AND PHASE INVERTERS

Plugs, Surface Mounting Appliance Inlets,
Panel Mounting Appliance Inlets and Appliance Inlets with Flange, Phase Inverters

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Phase Inverter-
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Appliance Inlets
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3

Preferred scopes


Construction Industry

Camping site


Industry

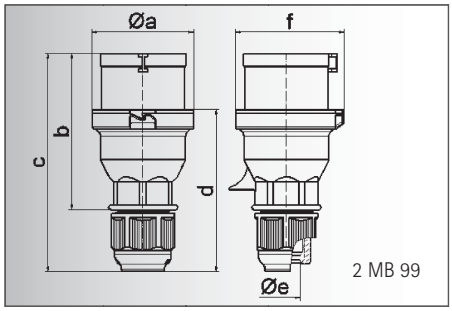

Building Services


Farming


Harbour and Shipbuilding

PLUGS

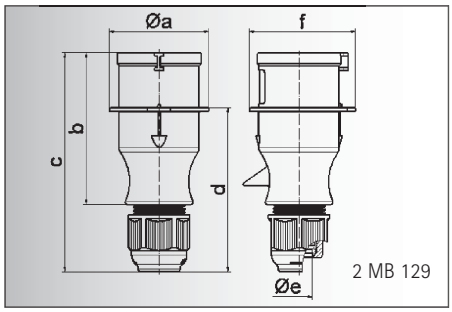
16A, 32A and 63A either screwless or screw terminals and fixing screws
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



2 MB 99

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a ø	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 ø	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

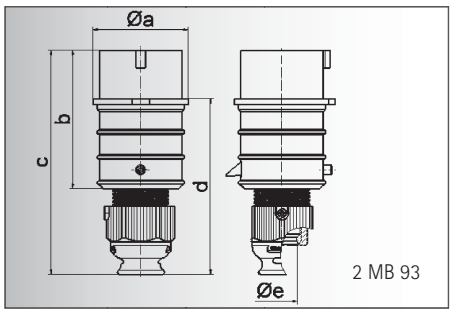
Plug Quick-Connect with Multi-Grip
- screwless terminals
- screwless housing connection, self locking
- special gland, simultanous cable gland and seal
- protection degree IP 44



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

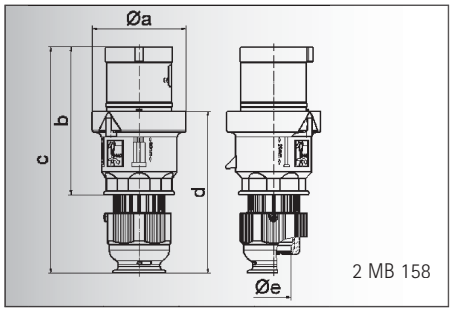
Plug with Multi-Grip
- screw terminals
- one piece housing
- special gland, simultanous cable gland and seal
- protection degree IP 44



2 MB 93

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a ø	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 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

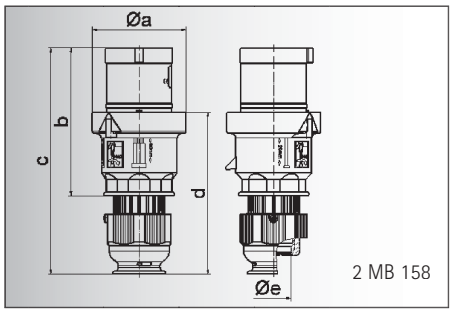
Plug TE-Plus with Multi-Grip
- screwless terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44



2 MB 158

Ampere	63	63
Poles	4	5
a ø	96,0	96,0
b	153,0	153,0
c	233,0	233,0
d	167,0	167,0
e ø	36,0	36,0
Cond. mm² min	6	6
Cond. mm² max	16	16

Plug TE-Plus with Multi-Grip
- screwless terminals
- screwless housing connection
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44



2 MB 158

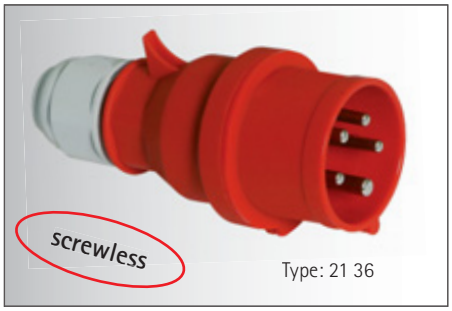
Ampere	63	63	63
Poles	3	4	5
a ø	96,0	96,0	96,0
b	153,0	153,0	153,0
c	233,0	233,0	233,0
d	167,0	167,0	167,0
e ø	36,0	36,0	36,0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

Plug TE with Multi-Grip
- screw terminals
- screwless housing connection
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

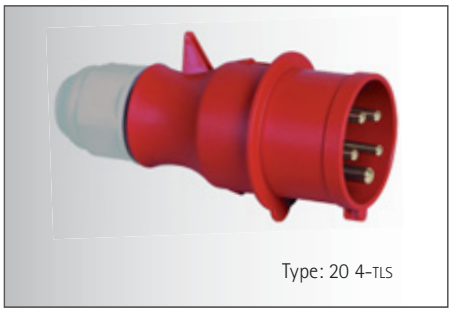
Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E 3P+E 3P+N+E		3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	21 25	**21 26**					10	135
16	4		21 29	**21 30**				10	150
16	5		21 35	**21 36**				10	165
32	3		**21 38**					10	250
32	4		21 41	**21 42**				10	270
32	5		21 47	**21 48**				10	295



Type: 21 36

Other clock face positions on request.

16	3	21 000-TLS	**21 001**-TLS	21 002-TLS	21 071-TLS	21 257-TLS	21 244-TLS	10	135
16	4	21 003-TLS	21 004-TLS	**21 005**-TLS	21 006-TLS	21 007-TLS	21 008-TLS	10	149
16	5	21 009-TLS	21 010-TLS	**20 3**-TLS	21 037-TLS	21 056-TLS	21 145-TLS	10	170
32	3	21 012-TLS	**21 013**-TLS	21 014-TLS	21 219-TLS	21 354-TLS	21 328-TLS	10	220
32	4	21 015-TLS	21 016-TLS	**21 017**-TLS	21 018-TLS	21 019-TLS	21 020-TLS	10	240
32	5	21 021-TLS	21 022-TLS	**20 4**-TLS	21 011-TLS	21 247-TLS	21 160-TLS	10	270

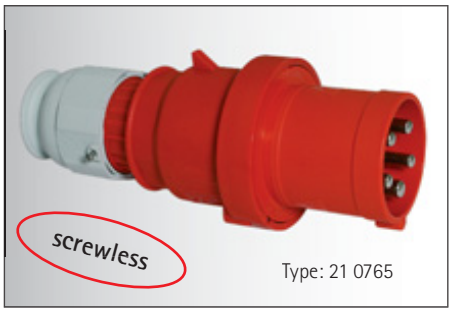

Type: 20 4-TLS

16	3	21 837	**21 686**	21 843	21 0169	21 0170	21 0171	10	150
16	4	21 872	21 839	**21 687**	21 688	21 847	21 849	10	170
16	5	21 0176	21 840	**21 689**	21 0178	21 0179	21 879	10	195
32	3	21 838	**21 690**	21 844	21 0184	21 0185	21 0186	10	265
32	4	21 873	21 841	**21 691**	21 692	21 848	21 850	10	280
32	5	21 0193	21 842	**21 693**	21 623	21 0197	21 885	10	330



Type: 21 693

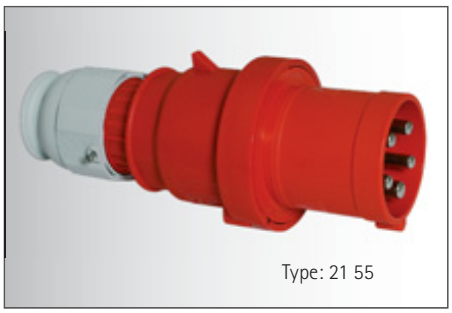
63	4			**21 0761**	21 0763			5	700
63	5			**21 0765**				5	755



Type: 21 0765

External cable gland please see page 244.

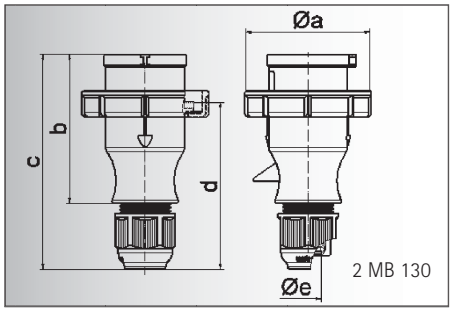
63	3	21 024	**21 04**	21 025	21 0030	21 531	21 624	5	610
63	4	21 49	21 50	**21 51**	21 52	21 300	21 526	5	680
63	5	21 53	21 54	**21 55**	21 167	21 663	21 419	5	735


Type: 21 55

External cable gland please see page 244.

PLUGS

16A, 32A, 63A and 125A either screwless or screw terminals
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67

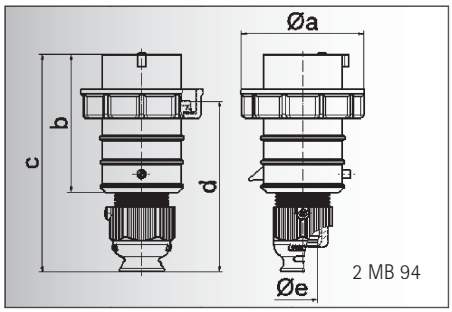


2 MB 130

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

Plug with Multi-Grip
- screw terminals
- one piece housing
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories:
closure cap see page 244/4

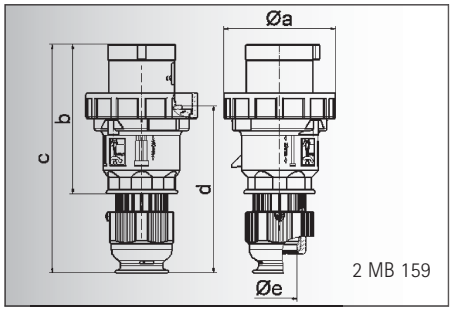


2 MB 94

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	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 TE-Plus with Multi-Grip
- screwless terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories:
closure cap see page 244/4

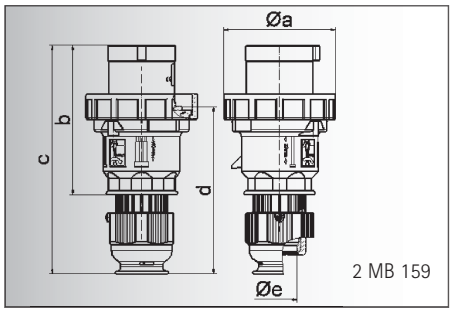


2 MB 159

Ampere	63	63	63
Poles	3	4	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

Plug TE with Multi-Grip
- screw terminals
- screwless housing connection
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories:
closure cap see page 244/4

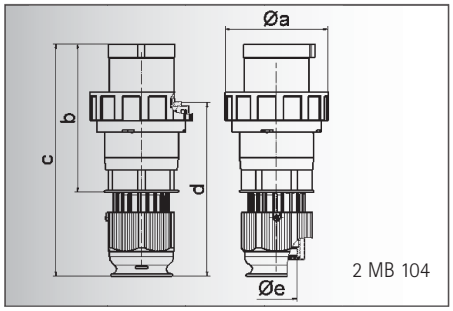


2 MB 159

Ampere	63	63
Poles	4	5
a ø	113,5	113,5
b	153,0	153,0
c	233,0	233,0
d	171,0	171,0
e ø	36,0	36,0
Cond. mm² min	6	6
Cond. mm² max	16	16

Plug TE-Plus with Multi-Grip
- screwless terminals
- screwless housing connection
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories
closure cap see page 244/4

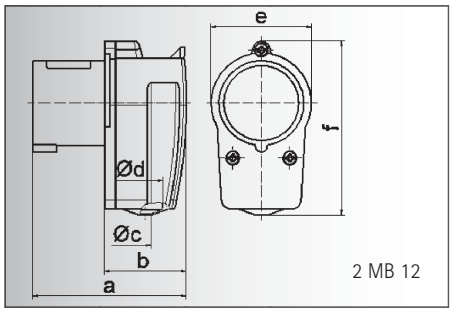


2 MB 104

Ampere	125	125	125
Poles	3	4	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 TE with Multi-Grip
- screw terminals
- screwless housing connection
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories:
closure cap see page 244/4



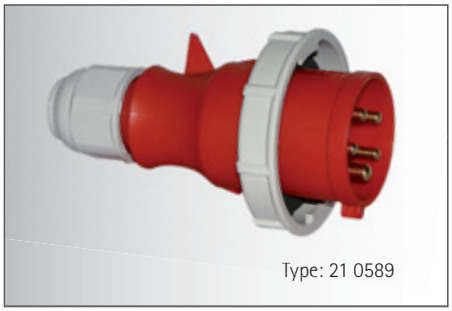
2 MB 12

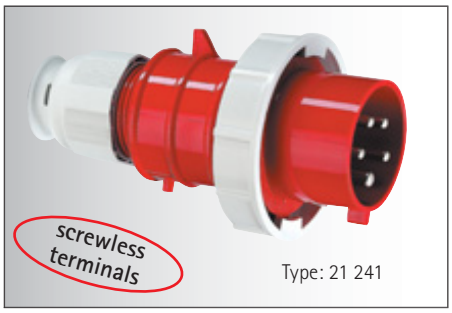
Ampere	16	16	16	32
Poles	3	4	5	5
a	80,0	85,0	96,0	116,0
b	44,0	49,0	59,0	70,0
c ø	6,5	6,5	8,0	10,0
d ø	18,0	18,0	18,0	25,0
e	51,0	57,0	64,0	-
f	90,0	95,0	74,0	101,0
Cond. mm² min	1	1	1	2,5
Cond. mm² max	2,5	2,5	2,5	6

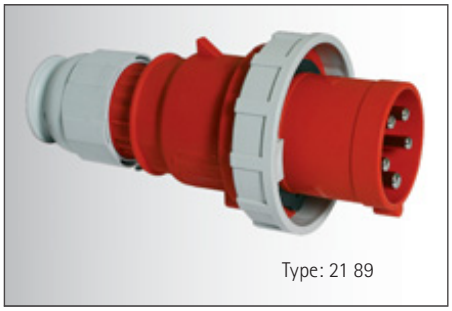
Angled Plug
- screw terminals
- with short sleeve
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

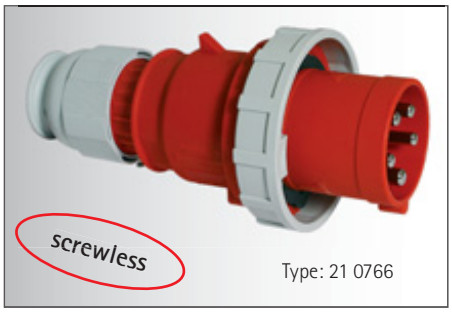
Poles 2P+E	Poles 3P+E	Poles 3P+N+E	Ampere	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
			16	3		21 0575		**21 0576**		21 0577												10	155
			16	4		21 0581		21 0582		**21 0583**			21 0584									10	170
			16	5		21 0587		21 0588		**21 0589**												10	170
			32	3		21 0593		**21 0594**		21 0595												10	243
			32	4		21 0599		21 0600		**21 0601**												10	255
			32	5		21 0605		21 0606		**21 0607**												10	305
			16	3		21 237		**21 238**		21 402			21 487			21 453			21 558			10	175
			16	4		21 403		21 250		**21 349**			21 350			21 404			21 405			10	200
			16	5		21 406		21 407		**21 239**			21 754			21 564			21 533			10	235
			32	3		21 408		**21 240**		21 409			21 486			21 545			21 0222			10	310
			32	4		21 410		21 251		**21 351**			21 352			21 411			21 412			10	335
			32	5		21 413		21 414		**21 241**			21 282			21 484			21 0234			10	385
			63	3		21 80		**21 81**		21 82			21 330									5	685
			63	4		21 83		21 84		**21 85**			21 86			21 154			21 375			5	740
			63	5		21 87		21 88		**21 89**			21 060			21 645			21 163			5	800
			63	4						**21 0762**			21 0764									5	750
			63	5						**21 0766**												5	810
			125	3		21 90		**21 91**		21 92												5	1105
			125	4		21 93		21 94		**21 95**			21 96			21 607			21 155			5	1210
			125	5		21 97		21 98		**21 99**			21 555			21 851			21 156			5	1325
			16	3		23 0		**23 1**		23 2			23 8						23 03			10	150
			16	4		23 3		23 4		**23 5**			23 9						23 7			10	170
			16	5						**23 6**												10	175
			32	5						**23 00**												10	280



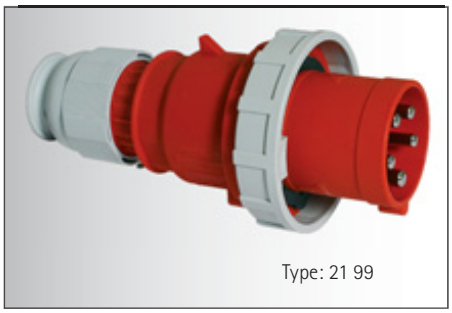




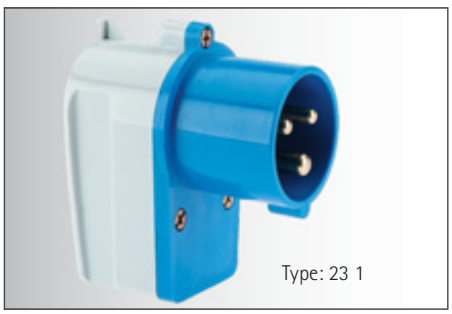
External cable gland please see page 244.



External cable gland please see page 244.

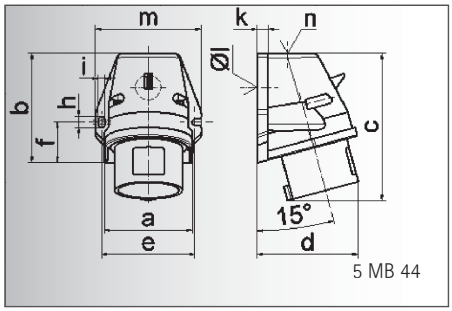


External cable gland please see page 244.



SURFACE MOUNTING APPLIANCE INLETS

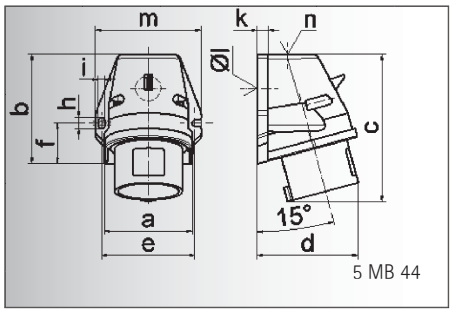
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



5 MB 44

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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 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	M 20	M 25	M 25	M 25	M 25	M 25
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

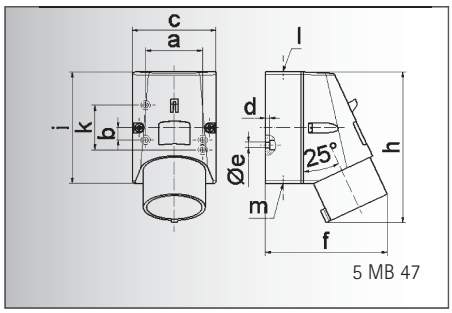
Surface Mounting Appliance Inlet Quick-Connect
- screwless terminals
- cable entry one at top (open) one at bottom (closed)
- protection degree IP 44



5 MB 44

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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 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	M 20	M 25	M 25	M 25	M 25	M 25
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

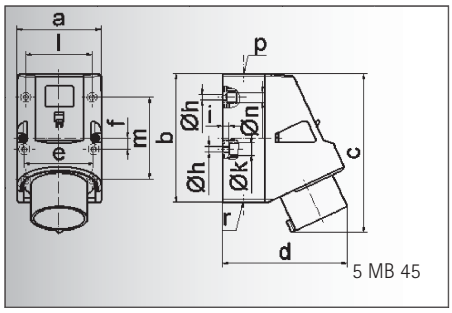
Surface Mounting Appliance Inlet
- screw terminals
- cable entry one at top (open) one at bottom (closed)
- protection degree IP 44



5 MB 47

Ampere	16	16	16
Poles	3	4	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 ø	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	M 20	M 20	M 20
m	for M 20	for M 20	for M 20
Cond. mm² min	1	1	1
Cond. mm² max	2,5	2,5	2,5

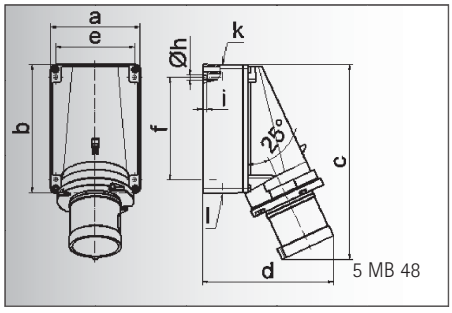
Surface Mounting Appliance Inlet
- screw terminals
- cable entry one at top (open) one at bottom and one rearward (closed)
- protection degree IP 44



5 MB 45

Ampere	16	32	32	32
Poles	5	3	4	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	M 25	M 25	M 25	M 25
r	2xM 25	2xM 25	2xM 25	2xM 25
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
- high temperature resistant contact carrier
- nickel plated contacts
- cable entry one at top (open), two at bottom (closed.)
- base of housing can rotate 180°
- 4 internal fixing holes
- suitable for through wiring
- protection degree IP 44



5 MB 48

Ampere	63	63	63
Poles	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 ø	6,1	6,1	6,1
i	6,0	6,0	6,0
k	M 40	M 40	M 40
l	M 32/32	M 32/32	M 32/32
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

Surface Mounting Appliance Inlet
- screw terminals
- cable entry one at top (open) and two at bottom (closed)
- base of housing can rotate 180°
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3		24 422		**24 423**															10	170
16	4		24 398		24 393			**24 392**			24 539									10	210
16	5		24 399		24 400			**24 2001**												10	230
32	3		24 401		**24 402**															10	275
32	4		24 403		24 404			**24 405**			24 540									10	295
32	5		24 406		24 407			**24 2002**												10	315



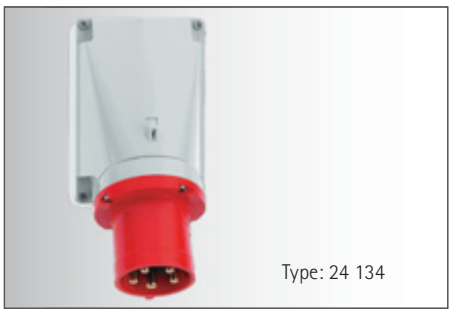
Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3		24 48		**24 0**															10	170
16	4		24 363		24 364			**24 329**												10	210
16	5		24 365		24 366			**24 142**												10	230
32	3		24 367		**24 331**															10	275
32	4		24 368		24 369			**24 330**												10	295
32	5		24 370		24 207			**24 143**												10	315



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3		24 4		**24 5**			24 6						24 074						10	190
16	4		24 7		24 8			**24 9**			24 10			24 11			24 12			10	245
16	5		24 13		24 14			**24 15**			24 98			24 166			24 03			10	270



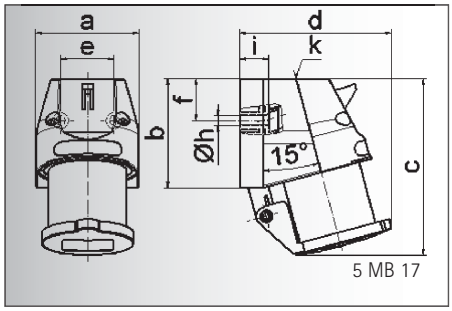
Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	5							24 362												10	330
32	3		24 408		**24 409**															10	360
32	4				24 410			**24 411**			24 412									10	380
32	5				24 551			**24 413**												10	415



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	3				**24 336**															5	815
63	4				24 337			**24 338**			24 339									5	960
63	5							**24 134**												5	1015

SURFACE MOUNTING APPLIANCE INLETS

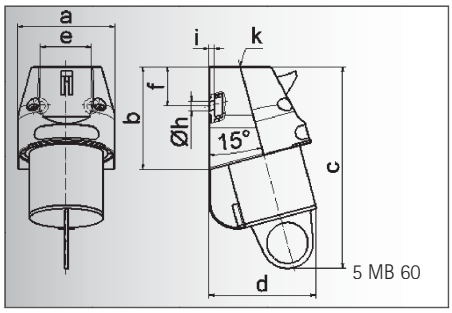
screw or screwless terminals, with hinged lid or closure cap
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



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	M 20
Cond. mm² min	1
Cond. mm² max	2,5

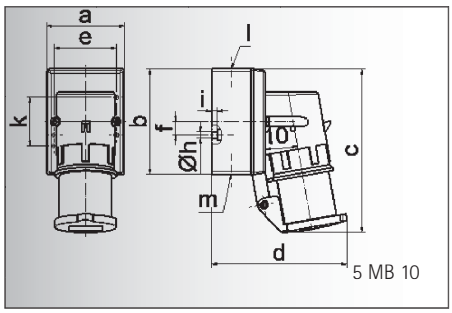
Surface Mounting Appliance Inlet
- screw terminals
- with hinged lid
- protection degree IP 44



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	M 20
Cond. mm² min	1
Cond. mm² max	2,5

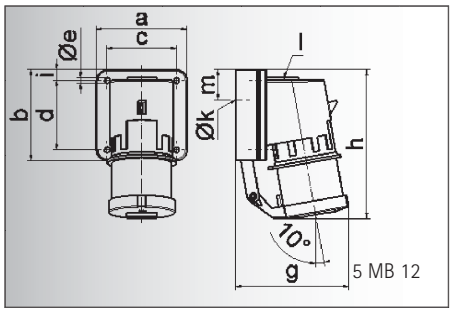
Surface Mounting Appliance Inlet
- screw terminals
- with closure cap
- protection degree IP 44



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	M 20	M 20
m	for M 20	for M 20
Cond. mm² min	1	1
Cond. mm² max	2,5	2,5

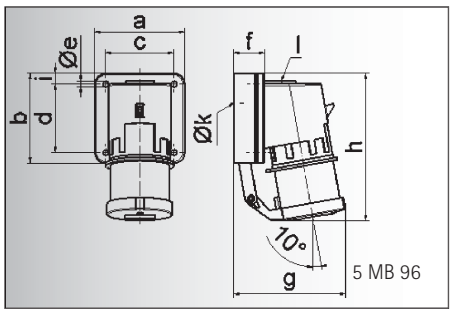
Surface Mounting Appliance Inlet
- screw terminals
- with hinged lid
- protection degree IP 44



5 MB 12

Ampere	16	32	32	32
Poles	5	3	4	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 ø	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 ø	23,0	29,0	29,0	29,0
l	M 20	M 25	M 25	M 25
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
- screw terminals
- with hinged lid
- protection degree IP 44



5 MB 96

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
k ø	23,0	29,0
l	M 20	M 25
Cond. mm² min	1	2,5
Cond. mm² max	2,5	6

Surface Mounting Appliance Inlet Quick-Connect TE
- screwless terminals
- with hinged lid
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E 3	3P+E 4	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3		**24 2**					10	170


Type: 24 2

16	3		**24 00**					10	140


Type: 24 00

16	3	24 60	**24 61**	24 62				10	220
16	4	24 63	24 64	**24 65**	24 66	24 67	24 68	10	305


Type: 24 65

16	5	24 69	**24 70**	24 71				10	305
32	3	24 335	**24 017**					10	335
32	4			**24 018**	24 019			10	350
32	5			**24 012**				10	380


Type: 24 012

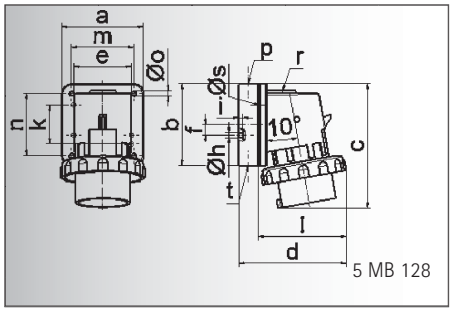
16	5			**24 414**				10	320
32	5			**24 415**				10	410



Type: 24 415

SURFACE MOUNTING APPLIANCE INLETS

also available with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67

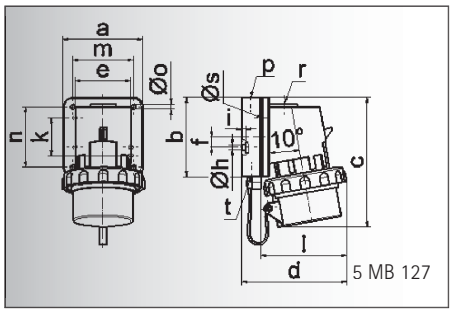


5 MB 128

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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 ø	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 ø	-	-	5,5	5,5	5,5	5,5
p	M 20	M 20	-	-	-	-
r	-	-	M 20	M 25	M 25	M 25
s ø	-	-	23,0	29,0	29,0	29,0
t	for M 20	for M 20	-	-	-	-

Surface Mounting Appliance Inlet
- screw terminals
- nickel plated contacts
- terminal for cond. from 1 mm² up to 2,5 mm² at 16A
- terminal for cond. from 2,5 mm² up to 6 mm² at 32A
- protection degree IP 67

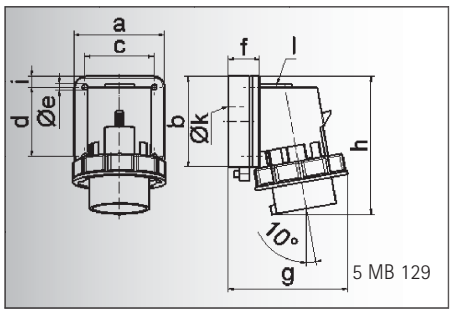
Accessories:
closure cap see page 244/4



5 MB 127

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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 ø	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 ø	-	-	5,5	5,5	5,5	5,5
p	M 20	M 20	-	-	-	-
r	-	-	M 20	M 25	M 25	M 25
s ø	-	-	23,0	29,0	29,0	29,0
t	for M 20	for M 20	-	-	-	-

Surface Mounting Appliance Inlet
- screw terminals
- with closure cap
- nickel plated contacts
- terminal for cond. from 1 mm² up to 2,5 mm² at 16A
- terminal for cond. from 2,5 mm² up to 6 mm² at 32A
- protection degree IP 67

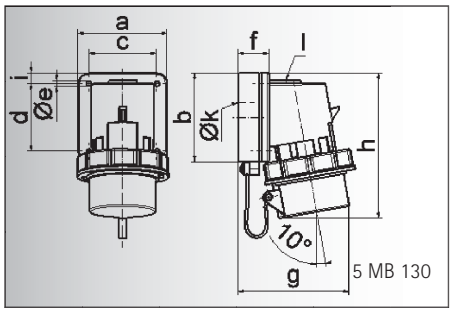


5 MB 129

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	28,0	28,0
g	111,0	123,0
h	136,0	139,0
i	10,0	13,0
k ø	23,0	29,0
l	M 20	M 25

Surface Mounting Appliance Inlet Quick-Connect TE
- screwless terminals
- nickel plated contacts
- terminal for cond. from 1 mm² up to 2,5 mm² at 16A
- terminal for cond. from 2,5 mm² up to 6 mm² at 32A
- protection degree IP 67

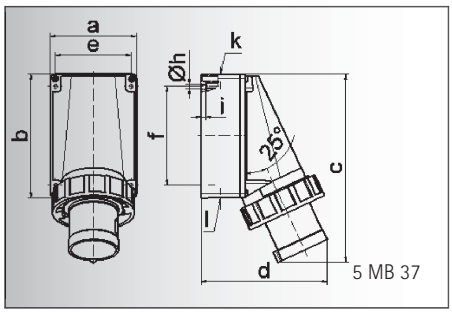
Accessories:
closure cap see page 244/4



5 MB 130

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	28,0	28,0
g	111,0	123,0
h	137,0	148,0
i	10,0	13,0
k ø	23,0	29,0
l	M 20	M 25

Surface Mounting Appliance Inlet Quick-Connect TE
- screwless terminals
- with closure cap
- nickel plated contacts
- terminal for cond. from 1 mm² up to 2,5 mm² at 16A
- terminal for cond. from 2,5 mm² up to 6 mm² at 32A
- protection degree IP 67

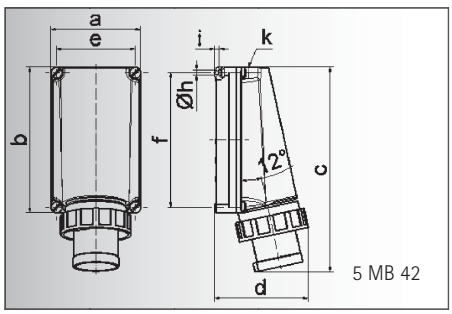


5 MB 37

Ampere	63	63	63
Poles	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 ø	6,1	6,1	6,1
i	6,0	6,0	6,0
k	M 40	M 40	M 40
l	M 32/32	M 32/32	M 32/32
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

Surface Mounting Appliance Inlet
- screw terminals
- cable entry one at top (open), two at bottom (closed.)
- base of housing can rotate 180°
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4



5 MB 42

Ampere	125	125	125
Poles	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 ø	8,3	8,3	8,3
i	10,0	10,0	10,0
k	M 50	M 50	M 50
Cond. mm² min	16	16	16
Cond. mm² max	50	50	50

Surface Mounting Appliance Inlet
- screw terminals
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- terminal 5 x 50 mm² and wiring
- protection degree IP 67

Accessories:
closure cap see page 244/4

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles: 2P+E (3), 3P+E (4), 3P+N+E (5)

Ampere	Poles	110V 50-60 Hz 3pol 4h / 4pol 4h / 5pol 4h	230V 50-60 Hz 3pol 6h / 4pol 9h / 5pol 9h	400V 50-60 Hz 3pol 9h / 4pol 6h / 5pol 6h	500V 50-60 Hz 3pol 7h / 4pol 7h / 5pol 7h	100-300Hz > 50V 3pol 10h / 4pol 10h / 5pol 10h	301-500Hz > 50V 3pol 2h / 4pol 2h / 5pol 2h	Qty	g each
16	3	24 72	**24 73**	24 74				10	250
16	4	24 75	24 76	**24 77**	24 78	24 79	24 80	10	285
16	5	24 81	24 82	**24 83**	24 114			10	355
32	3	24 154	**24 020**					10	325
32	4		24 101	**24 021**	24 022			10	340
32	5			**24 02**	24 079			10	370


Type: 24 83

16	3	24 84	**24 85**	24 86				10	310
16	4	24 87	24 88	**24 89**	24 90	24 91	24 92	10	350
16	5	24 93	24 94	**24 95**				10	420
32	3	24 216	**24 023**					10	380
32	4			**24 024**	24 025			10	395
32	5			**24 013**	24 089	24 078		10	425


Type: 24 95

16	5			**24 416**				10	355
32	5			**24 418**				10	485



Type: 24 418

16	5			**24 258**				10	420
32	5			**24 419**				10	555



Type: 24 419

63	3	24 140	**24 340**	24 145				5	880
63	4	24 232	24 341	**24 035**	24 342			5	1035
63	5			**24 062**		24 320		5	1140

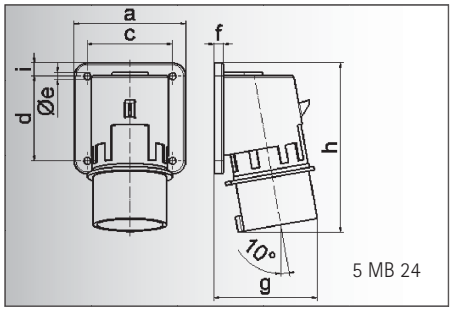

Type: 24 062

125	3	24 197	**24 198**	24 220				1	1860
125	4	24 221	24 199	**24 200**	24 201			1	2180
125	5	24 222		**24 202**			24 279	1	2310


Type: 24 202

PANEL MOUNTING APPLIANCE INLETS

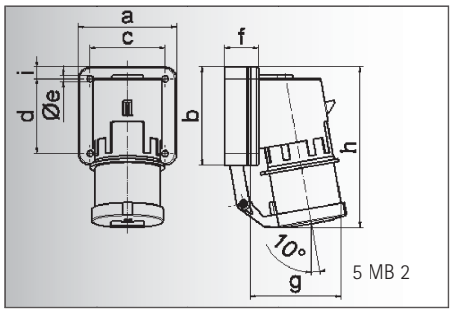
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67



5 MB 24

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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

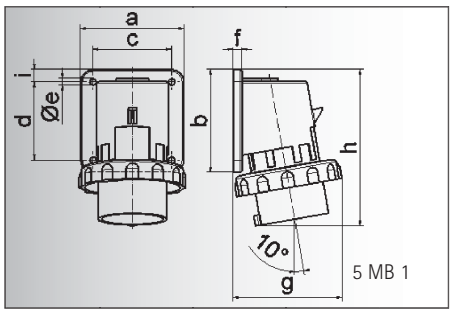
Panel Mounting Appliance Inlet
- screw terminals
- protection degree IP 44



5 MB 2

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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 Inlet
- screw terminals
- with hinged lid
- protection degree IP 44

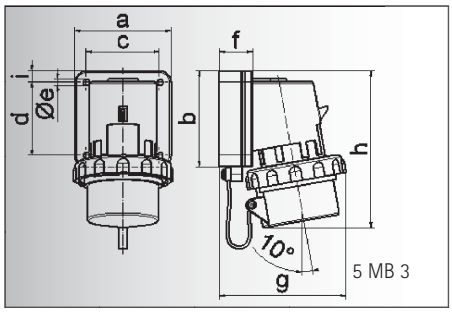


5 MB 1

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4



5 MB 3

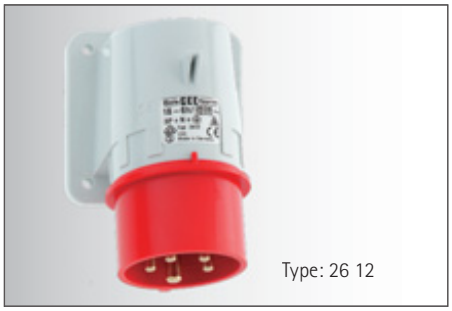
Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	74,0	75,0	84,0	90,0	90,0	90,0
b	84,0	100,0	84,0	75,0	75,0	75,0
c	58,0	62,0	64,0	78,0	78,0	78,0
d	64,0	74,0	64,0	45,0	45,0	45,0
e ø	5,5	4,3	5,5	5,5	5,5	5,5
f	12,0	12,0	29,0	29,0	29,0	29,0
g	80,0	88,0	111,0	123,0	123,0	123,0
h	133,0	152,0	134,0	147,0	147,0	148,0
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

Panel Mounting Appliance Inlet
- screw terminals
- with closure cap
- nickel plated contacts
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E 3	3P+E 4	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	26 0	**26 1**	26 2				10	165
16	4	26 3	26 4	**26 5**	26 6	26 7	26 8	10	180
16	5	26 10	26 11	**26 12**	26 49		26 036	10	200
32	3		**26 62**					10	220
32	4	26 026	26 84	**26 63**	26 64	26 79	26 028	10	235
32	5	26 023	26 030	**26 00**	26 065		26 029	10	265


Type: 26 12

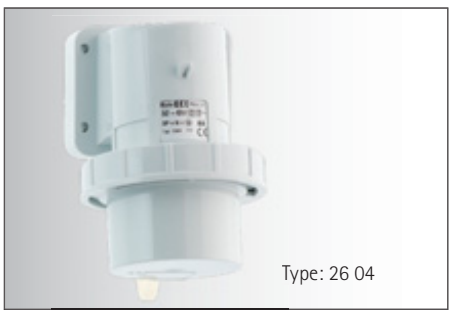
16	3	26 25	**26 26**	26 27				10	185
16	4	26 28	26 29	**26 30**	26 31	26 32	26 33	10	200
16	5	26 34	26 35	**26 36**	26 71			10	330
32	3		**26 56**					10	350
32	4		26 85	**26 57**	26 58			10	370
32	5	26 015		**26 55**				10	390


Type: 26 55

16	3	26 13	**26 14**	26 15				10	185
16	4	26 16	26 17	**26 18**	26 19	26 20	26 21	10	220
16	5	26 22	26 23	**26 24**	26 50			10	225
32	3	26 033	**26 65**					10	265
32	4		26 94	**26 66**	26 67			10	280
32	5			**26 01**				10	310

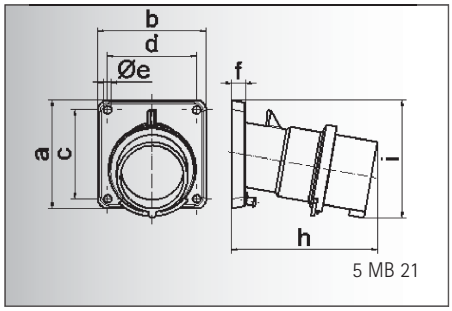

Type: 26 01

16	3	26 37	**26 38**	26 39				10	210
16	4	26 40	26 41	**26 42**	26 43	26 44	26 45	10	380
16	5	26 46	26 47	**26 48**				10	400
32	3		**26 59**					10	375
32	4			**26 60**	26 61			10	390
32	5			**26 04**				10	420


Type: 26 04

APPLIANCE INLETS WITH FLANGE

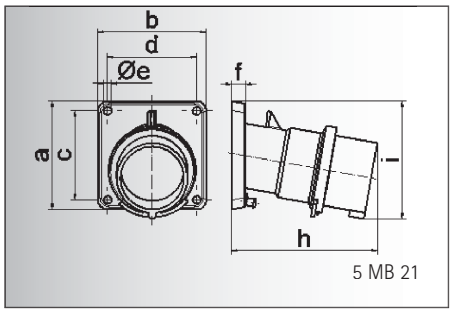
16A and 32A also available with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67



5 MB 21

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 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

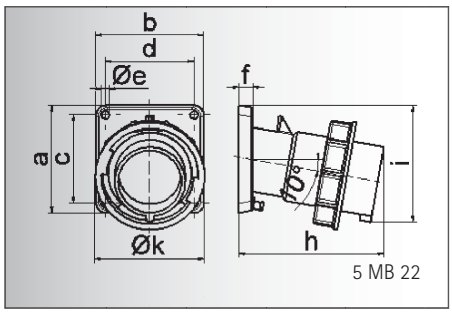
Appliance Inlet with Flange Quick-Connect TE
- screwless terminals
- angled 10°
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44



5 MB 21

Ampere	63	63	63
Poles	3	4	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 Inlet with Flange TE
- screw terminals
- angled 10°
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

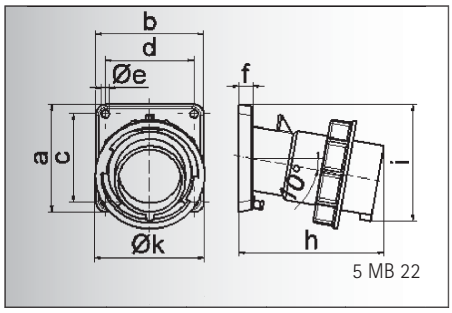


5 MB 22

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 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 Quick-Connect TE
- screwless terminals
- angled 10°
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4

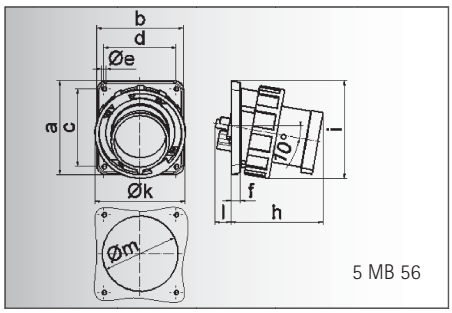


5 MB 22

Ampere	63	63	63
Poles	3	4	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
- angled 10°
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4



5 MB 56

Ampere	125	125	125
Poles	3	4	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

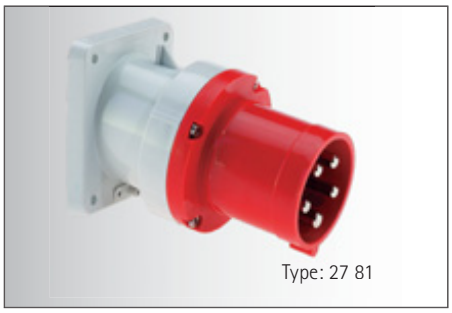
Appliance Inlet with Flange TE
- screw terminals
- angled 10°
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4

For further information please see Bals.com · Other voltages and frequencies are available on request.



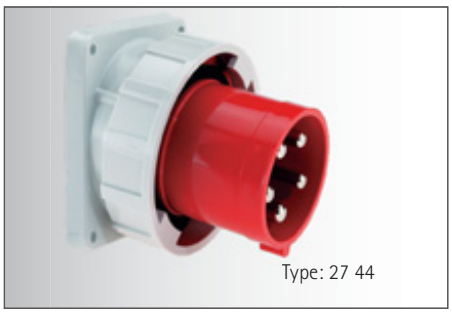
Type: 27 124


Type: 27 81



Type: 27 93

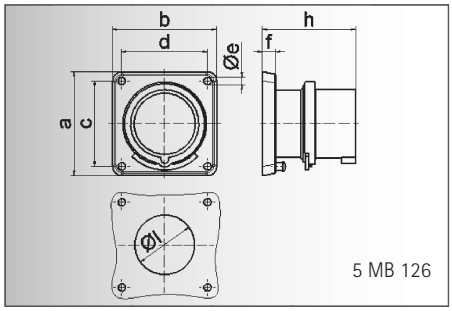

Type: 27 017


Type: 27 44

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3	27 209			**27 121**			27 210												10	140
16	4	27 211			27 207			**27 122**			27 212			27 213			27 214			10	215
16	5	27 215			27 216			**27 124**			27 217									10	240
32	3	27 218			**27 219**			**27 220**												10	275
32	4	27 221			27 222			**27 223**			27 224			27 225			27 226			10	290
32	5	27 247			27 248			**27 249**												10	315
63	3	27 70			**27 71**			27 72												10	550
63	4	27 73			27 74			**27 75**			27 76			27 77			27 78			10	620
63	5	27 79			27 80			**27 81**												10	675
16	3	27 227			**27 83**			27 228												10	215
16	4	27 229			27 86			**27 87**			27 230			27 231			27 232			10	245
16	5	27 233			27 234			**27 93**			27 278									10	275
32	3	27 235			**27 236**			27 237												10	330
32	4	27 238			27 239			**27 240**			27 241			27 242			27 243			10	350
32	5	27 244			27 245			**27 246**												10	400
63	3	27 006			**27 007**			27 008												5	615
63	4	27 009			27 010			**27 011**			27 012			27 013			27 014			5	685
63	5	27 015			27 016			**27 017**												5	740
125	3	27 35			**27 36**			27 37												5	1050
125	4	27 38			27 39			**27 40**			27 41			27 252			27 023			5	1140
125	5	27 42			27 43			**27 44**			27 024									5	1265

APPLIANCE INLETS WITH FLANGE

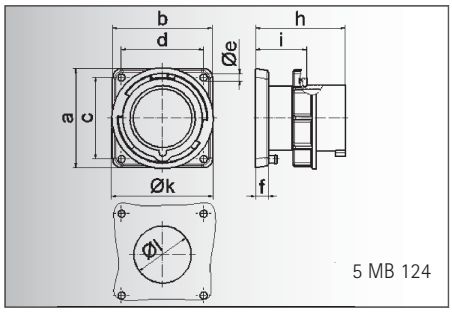
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67



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 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
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

Appliance Inlet with Flange
- screw terminals
- straight
- protection degree IP 44

(A retaining nose is requested in use)

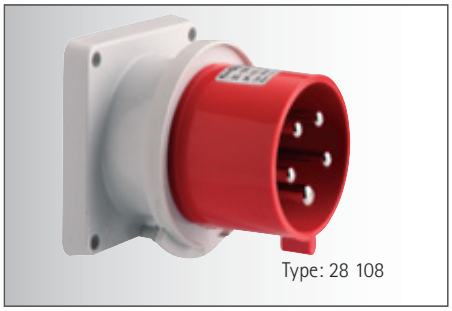


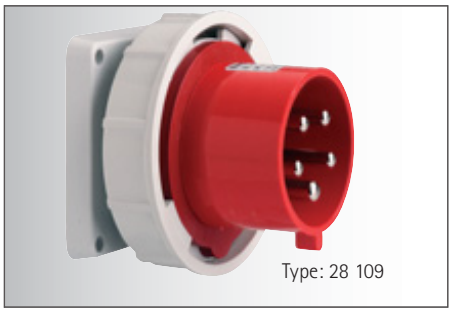
Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	85,0	85,0	85,0	85,0	85,0	85,0
b	85,0	85,0	85,0	85,0	85,0	85,0
c	70,0	70,0	70,0	70,0	70,0	70,0
d	70,0	70,0	70,0	70,0	70,0	70,0
e ø	6,3	6,3	6,3	6,3	6,3	6,3
f	11,0	11,0	11,0	11,0	11,0	11,0
h	75,5	75,0	76,5	85,0	85,0	85,0
i	44,0	44,0	44,0	44,0	44,0	44,0
k	70,5	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

Appliance Inlet with Flange
- screw terminals
- straight
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

(A retaining nose is requested in use)

Accessories:
closure cap see page 244/4

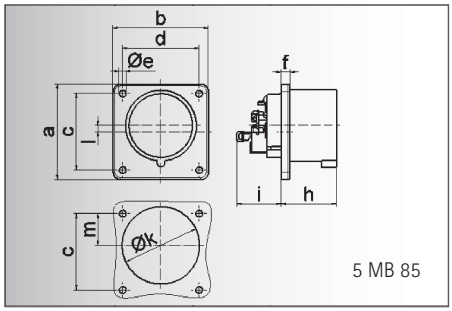

Type: 28 108


Type: 28 109

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+E 3P+N+E	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		
Ampere	Poles																				
16	3				28 98															10	210
16	4							28 100												10	225
16	5							28 102												10	230
32	3				28 104															10	230
32	4							28 106												10	255
32	5							28 108												10	275
16	3				28 99															10	230
16	4							28 101												10	250
16	5							28 103												10	265
32	3				28 105															10	270
32	4							28 107												10	295
32	5							28 109												10	315

APPLIANCE INLETS WITH FLANGE straight

16A and 32A also available with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67

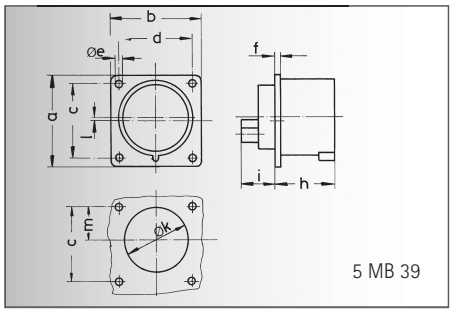


5 MB 85

Ampere	16	16	16	32	32	32
Poles	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	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 Quick-Connect
- screwless terminals
- Flange 75 x 75 mm
- protection degree IP 44

(A retaining nose is requested in use)

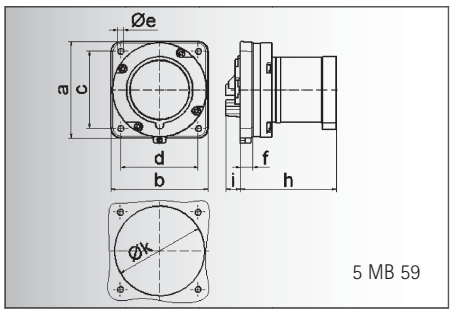


5 MB 39

Ampere	16	16	16	32	32	32
Poles	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	7,0	7,0	7,0
h	43,0	43,0	43,0	53,0	53,0	53,0
i	24,0	24,0	24,0	30,0	30,0	30,0
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	1,5	1,5	1,5	2,5	2,5	2,5
Cond. mm² max	4	4	4	10	10	10

Appliance Inlet with Flange
- screw terminals
- Flange 75 x 75 mm
- protection degree IP 44

(A retaining nose is requested in use)

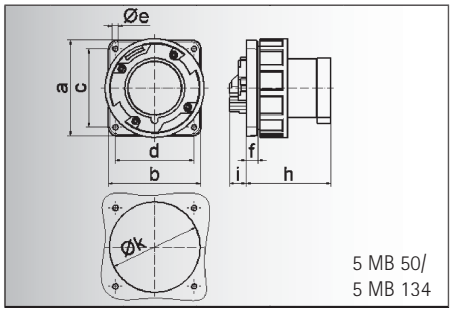


5 MB 59

Ampere	63	63	63	63	63	63
Poles	3	4	5	3	4	5
a	110,0	110,0	110,0	100,0	100,0	100,0
b	106,0	106,0	106,0	100,0	100,0	100,0
c	90,0	90,0	90,0	80,0	80,0	80,0
d	90,0	90,0	90,0	80,0	80,0	80,0
e ø	5,5	5,5	5,5	5,5	5,5	5,5
f	13,0	13,0	13,0	13,0	13,0	13,0
h	96,0	96,0	96,0	96,0	96,0	96,0
i	19,0	19,0	19,0	19,0	19,0	19,0
k	93,0	93,0	93,0	93,0	93,0	93,0
Cond. mm² min	6	6	6	6	6	6
Cond. mm² max	16	16	16	16	16	16

Appliance Inlet with Flange TE
- screw terminals
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

(A retaining nose is requested in use)

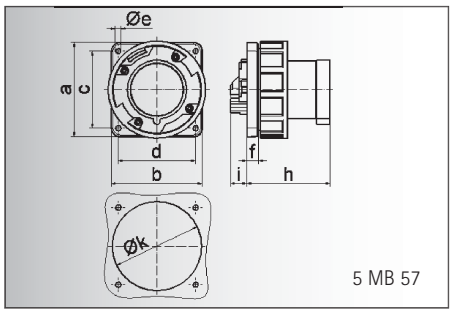


5 MB 50/
5 MB 134

Ampere	63	63	63	63	63	63
Poles	3	4	5	3	4	5
a	110,0	110,0	110,0	100,0	100,0	100,0
b	106,0	106,0	106,0	100,0	100,0	100,0
c	90,0	90,0	90,0	80,0	80,0	80,0
d	90,0	90,0	90,0	80,0	80,0	80,0
e ø	5,5	5,5	5,5	5,5	5,5	5,5
f	13,0	13,0	13,0	13,0	13,0	13,0
h	96,0	96,0	96,0	96,0	96,0	96,0
i	19,0	19,0	19,0	19,0	19,0	19,0
k	93,0	93,0	93,0	93,0	93,0	93,0
Cond. mm² min	6	6	6	6	6	6
Cond. mm² max	16	16	16	16	16	16

Appliance Inlet with Flange TE
- screw terminals
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

(A retaining nose is requested in use)
Accessories:
closure cap see page 244/4

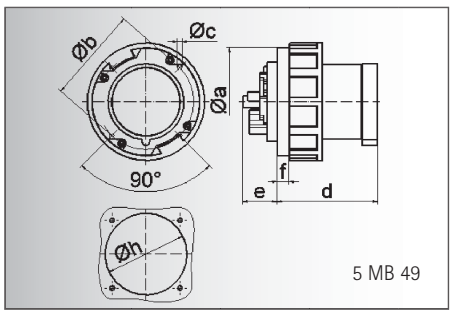


5 MB 57

Ampere	125	125	125
Poles	3	4	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

Appliance Inlet with Flange TE
- screw terminals
- Flange 120 x 120 mm
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

(A retaining nose is requested in use)
Accessories:
closure cap see page 244/4



5 MB 49

Ampere	125	125	125
Poles	3	4	5
a	115,0	115,0	115,0
b ø	102,0	102,0	102,0
c	5,2	5,2	5,2
d	108,0	108,0	108,0
e	37,0	37,0	37,0
f	13,0	13,0	13,0
h	87,0	87,0	87,0
Cond. mm² min	16	16	16
Cond. mm² max	50	50	50

Appliance Inlet with Flange TE
- screw terminals
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

(A retaining nose is requested in use)
Accessories:
closure cap see page 244/4

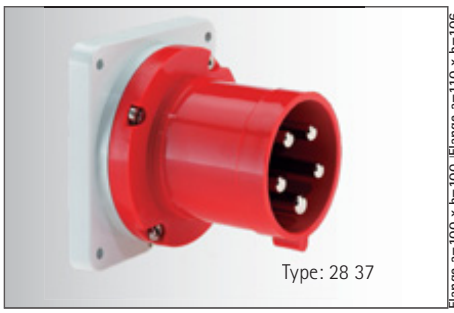
Bals ELEKTROTECHNIK



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3	28 001			**28 111**												28 002			10	120
16	4	28 003			28 017			**28 112**			28 004						28 005			10	130
16	5				28 006			**28 2001**									28 008			10	135
32	3	28 009			**28 010**															10	180
32	4				28 011			**28 012**			28 013									10	205
32	5	28 014			28 015			**28 2002**												10	240



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3	28 26			**28 17**												28 77			10	120
16	4	28 73			28 040			**28 31**												10	130
16	5				28 55			**2814**			28 52						28 54			10	135
32	3	28 08			**28 27**															10	180
32	4				28 28			**28 30**												10	205
32	5	28 49			28 48			**28 15**			28 74									10	240

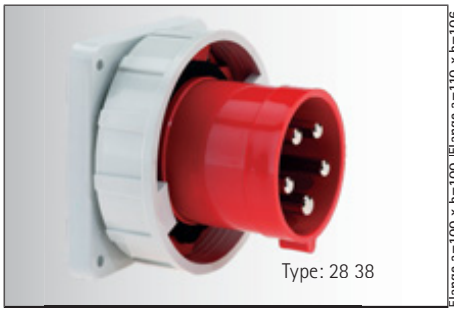


Flange a=110 x b=106

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	3	28 80			**28 34**									28 69						5	485
63	4				28 41			**28 33**			28 64									5	550
63	5							**28 37**			28 58									5	610

Flange a=100 x b=100

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	3	28 05			**28 175**															5	480
63	4							**28 32**			28 179									5	545
63	5							**28 052**												5	605

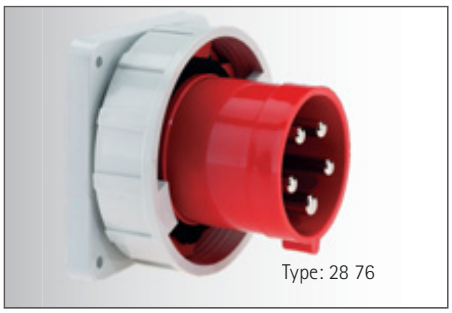


Flange a=110 x b=106

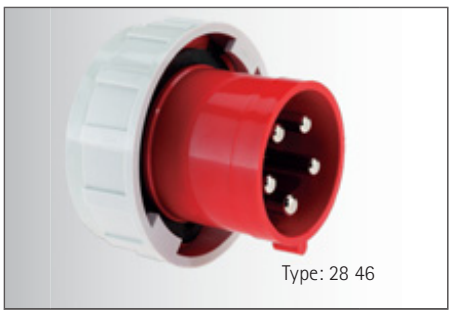
Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	3	28 81			**28 35**															5	550
63	4				28 42			**28 36**												5	620
63	5							**28 38**												5	675

Flange a=100 x b=100

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	3	28 177			**28 176**															5	545
63	4							**28 178**			28 72									5	615
63	5							**28 180**												5	670



Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
125	3	28 82			**28 60**															5	920
125	4							**28 61**												5	1010
125	5							**28 76**												5	1135

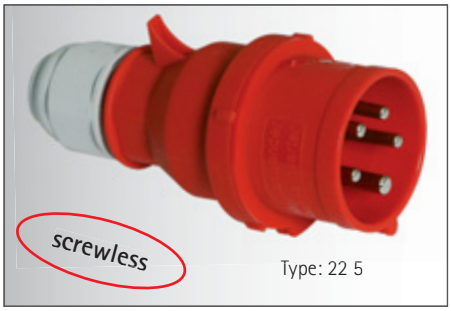


Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
125	3				**28 43**															5	870
125	4				28 44			**28 45**												5	960
125	5							**28 46**												5	1085

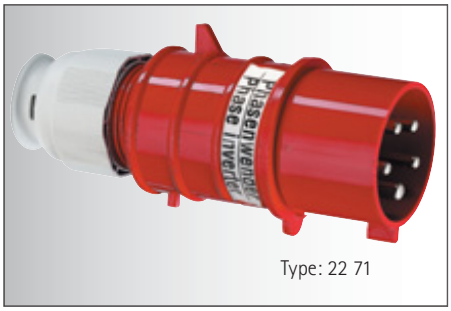
PHASE INVERTERS

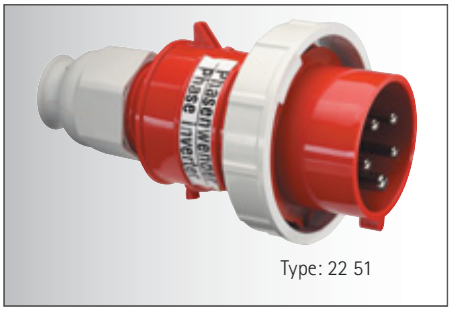
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67

	Poles		230V 50-60 Hz 9h	400V 6h	Qty	g each
	Ampere	Poles (4 = 3P+E, 5 = 3P+N+E)				
Phase inverter Quick-Connect with Multi-Grip • screwless terminals • screwless housing connection, self locking • special gland, simultanous cable gland and seal • protection degree IP 44 drawing see page 50/1 (2 MB 99)	16	4	22 052	**22 053**	10	150
	16	5	22 4	**22 5**	10	175
	32	4	22 054	**22 055**	10	260
	32	5	22 6	**22 7**	10	290
Phase inverter TE Multi-Grip • screw terminals • special gland, simultanous cable gland and seal • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 44 drawing see page 48/4 (2 MB 93)	16	5	22 86	**22 71**	10	210
	32	5	22 87	**22 88**	10	280
Phase inverter TE Multi-Grip • screw terminals • special gland, simultanous cable gland and seal • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 67 Accessories: closure cap see page 244/4 drawing see page 50/2 (2 MB 94)	16	5	22 66	**22 51**	10	250
	32	5	22 67	**22 52**	10	320
Phase inverter • screw terminals • as Surface Mounting Appliance Inlet • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 44 drawing see page 52/4 (5 MB 45)	16	5	24 208	**24 209**	10	300
	32	5	24 210	**24 211**	10	330
Phase inverter • screw terminals • as Panel Mounting Appliance Inlet • nickel plated contacts • protection degree IP 44 drawing see page 54/5 (5 MB 96)	16	5	26 008	**26 02**	10	215
	32	5	26 52	**26 03**	10	285
Phase inverter • screw terminals • as Panel Mounting Appliance Inlet • with hinged lid • nickel plated contacts • protection degree IP 44 drawing see page 54/4 (5 MB 12)	16	5		**26 020**	10	340
	32	5		**26 74**	10	480



Type: 22 5


Type: 22 71

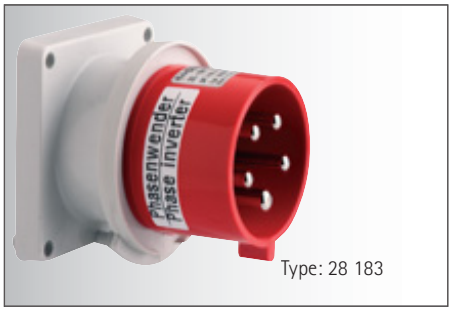
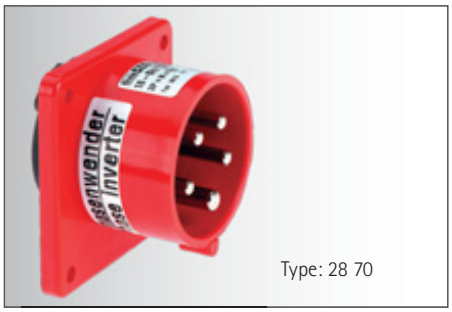
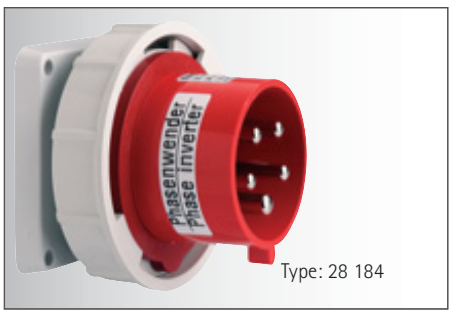

Type: 22 51


Type: 24 211


Type: 26 02


Type: 26 020

For further information please see Bals.com · Other voltages and frequencies are available on request.

	Poles 4 (3P+E)	Poles 5 (3P+N+E)	230V 50-60 Hz 9h	400V 6h	Qty	g each
	Ampere	Poles				
 Type: 28 183						
Phase inverter • screw terminals • as Appliance Inlet with Flange • nickel plated contacts • protection degree IP 44 (To ensure latching feature of hinged lid of connector a retainig device must be provided.) drawing see page 66/1(5 MB 126)	16	5		**28 181**	10	215
	32	5		**28 183**	10	275
 Type: 28 70						
Phase inverter • screw terminals • as Appliance Inlet with Flange • nickel plated contacts • protection degree IP 44 (To ensure latching feature of hinged lid of connector a retainig device must be provided.) drawing see page 64/1 (5 MB 85)	16	5		**28 70**	10	165
	32	5		**28 57**	10	215
 Type: 26 07						
Phase inverter • screw terminals • as Panel Mounting Appliance Inlet • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 67 Accessories: closure cap see page 244/4 drawing see page 58/3 (5 MB 1)	16	5	26 009	**26 07**	10	230
	32	5	26 010	**26 08**	10	315
 Type: 28 184						
Phase inverter • screw terminals • as Appliance Inlet with Flange • nickel plated contacts • protection degree IP 67 (To ensure latching feature of hinged lid of connector a retainig device must be provided.) Accessories: closure cap see page 244/4 drawing see page 62/2 (5 MB 124)	16	5		**28 182**	10	250
	32	5		**28 184**	10	320


CONNECTORS

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Angled Connectors
Page 74, 75



Connectors with
Suspension Ring
Page 74, 75



Quality assured ...

Preferred scopes



Construction Industry

Camping site



Industry



Building Services



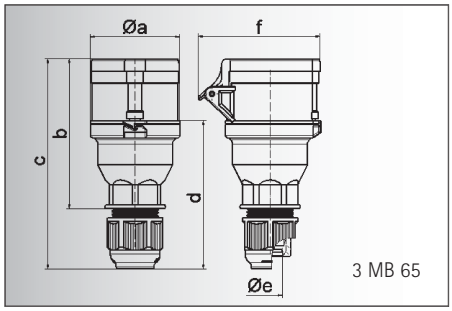
Farming



Harbour and Shipbuilding

CONNECTORS

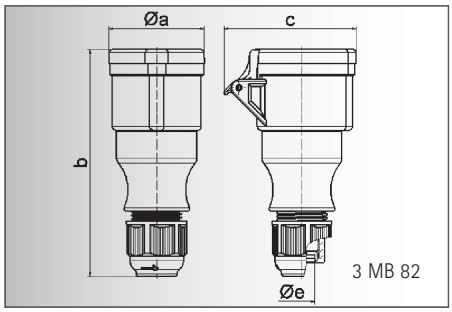
16A and 32A and partially 63A with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



3 MB 65

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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

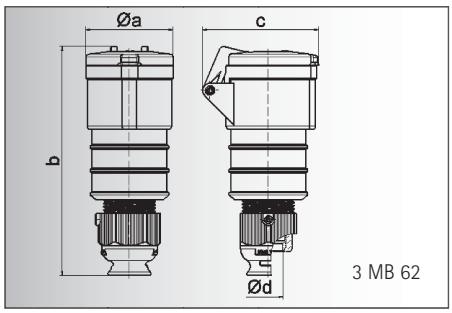
Connector Quick-Connect with Multi-Grip
- screwless terminals
- screwless housing connection, self locking
- threaded lock
- Kontex-terminals
- special gland, simultanous cable gland and seal
- protection degree IP 44



3 MB 82

Ampere	16	16	16	32	32	32
Polzahl	3	4	5	3	4	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
Leiter mm² min	1	1	1	2,5	2,5	2,5
Leiter mm² max	2,5	2,5	2,5	6	6	6

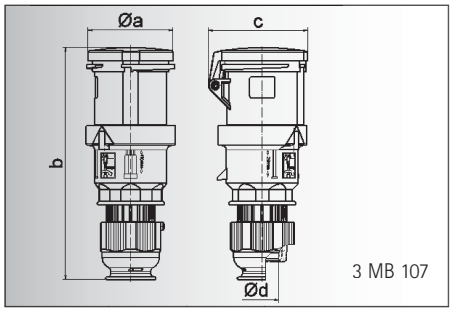
Connector with Multi-Grip
- screw terminals
- one piece housing
- special gland, simultanous cable gland and seal
- Kontex-terminals
- protection degree IP 44



3 MB 62

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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

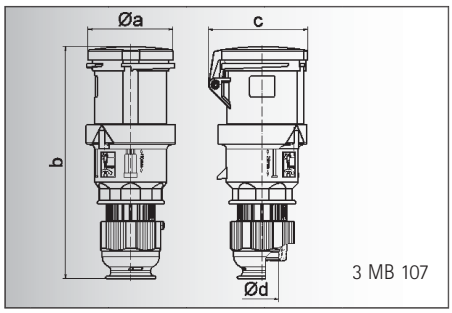
Connector TE-Plus with Multi-Grip
- screwless terminals
- high temperature resistant contact carrier
- Kontex-terminals
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44



3 MB 107

Ampere	63	63
Poles	4	5
a ø	95,0	95,0
b	251,0	251,0
c	109,0	109,0
d ø	36,0	36,0
Cond. mm² min	6	6
Cond. mm² max	16	16

Connector TE-Plus with Multi-Grip
- screwless terminals
- screwless housing connection
- high temperature resistant contact carrier
- Kontex-Plus
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44

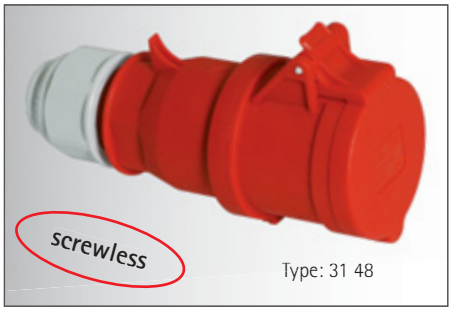


3 MB 107

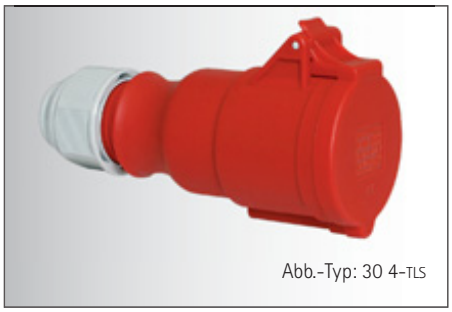
Ampere	63	63	63
Poles	3	4	5
a ø	95,0	95,0	95,0
b	251,0	251,0	251,0
c	109,0	109,0	109,0
d ø	36,0	36,0	36,0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

Connector TE with Multi-Grip
- screw terminals
- screwless housing connection
- box terminals
- high temperature resistant contact carrier
- Kontex-Plus
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.



Poles		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
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	31 25	**31 26**					10	145
16	4		31 29	**31 30**				10	175
16	5		31 35	**31 36**				10	200
32	3	31 37	**31 38**					10	270
32	4		31 41	**31 42**				10	285
32	5		31 47	**31 48**				10	310



16	3	31 000-TLS	**31 001**-TLS	31 002-TLS	31 210-TLS	31 180-TLS	31 179-TLS	10	170
16	4	31 003-TLS	31 004-TLS	**31 005**-TLS	31 006-TLS	31 007-TLS	31 008-TLS	10	195
16	5	31 009-TLS	31 010-TLS	**30 3**-TLS	31 031-TLS	31 098-TLS	31 068-TLS	10	200
32	3	31 012-TLS	**31 013**-TLS	31 014-TLS	31 491-TLS			10	270
32	4	31 015-TLS	31 016-TLS	**31 017**-TLS	31 018-TLS	31 019-TLS	31 020-TLS	10	285
32	5	31 021-TLS	31 022-TLS	**30 4**-TLS	31 023-TLS	31 367-TLS	31 067-TLS	10	301

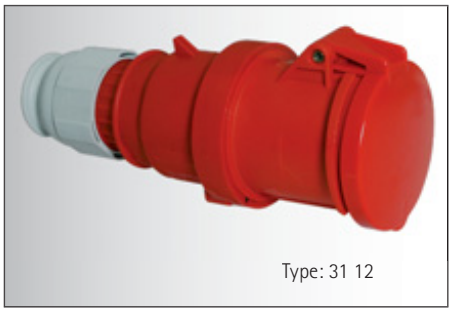


16	3	31 659	**31 533**	31 665	31 955	31 956	31 957	10	155
16	4	31 681	31 661	**31 534**	31 959	31 669	31 671	10	195
16	5	31 962	31 662	**31 536**	31 964	31 965	31 966	10	225
32	3	31 967	**31 968**	31 666	31 970	31 971	31 972	10	290
32	4	31 973	31 974	**31 975**	31 976	31 670	31 672	10	310
32	5	31 979	31 664	**31 981**	31 884	31 983	31 984	10	350



63	4			**31 0490**	31 0492			5	770
63	5			**31 0494**				5	825

External cable gland please see page 244.



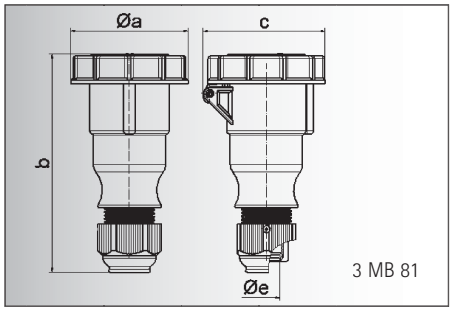
63	3	31 08	**31 04**	31 09	31 723	31 606	31 858	5	670
63	4	31 49	31 50	**31 51**	31 52	31 085	31 642	5	730
63	5	31 53	31 54	**31 12**	31 086	31 500	31 257	5	775

With PILOT contact use indicated part.-no. and add index „P".

External cable gland please see page 244.

CONNECTORS

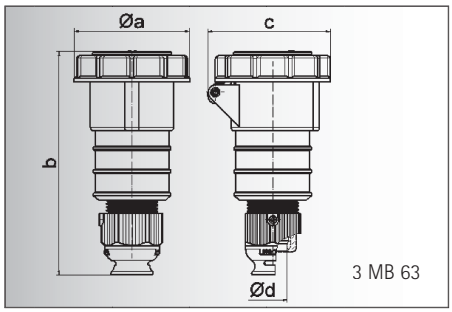
16A and 32A and partially 63A with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



3 MB 81

Ampere	16	16	16	32	32	32
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

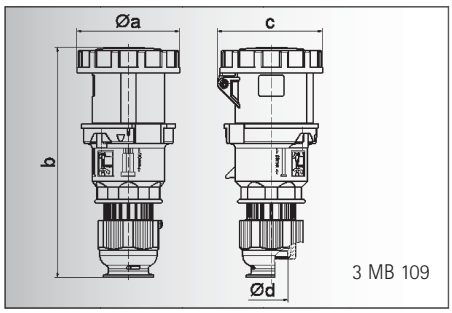
Connector with Multi-Grip
- screw terminals
- one piece housing/ (body)
- Kontex-terminals
- special gland, simultanous cable gland and seal
- protection degree IP 67



3 MB 63

Ampere	16	16	16	32	32	32
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

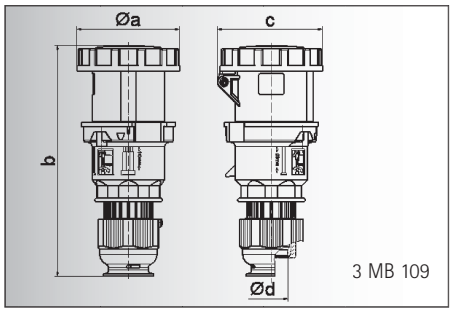
Connector TE-Plus with Multi-Grip
- screwless terminals
- high temperature resistant contact carrier
- Kontex-terminals
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67



3 MB 109

Ampere	63	63	63
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

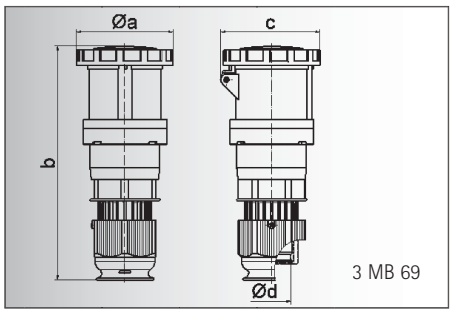
Connector TE with Multi-Grip
- screw terminals
- screwless housing connection
- box terminals
- high temperature resistant contact carrier
- Kontex-Plus
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67



3 MB 109

Ampere	63	63
Poles	4	5
a ø	110,0	110,0
b	251,0	251,0
c	113,0	113,0
d ø	36,0	36,0
Cond. mm² min	6	6
Cond. mm² max	16	16

Connector TE-Plus with Multi-Grip
- screwless terminals
- screwless housing connection
- high temperature resistant contact carrier
- Kontex-Plus
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

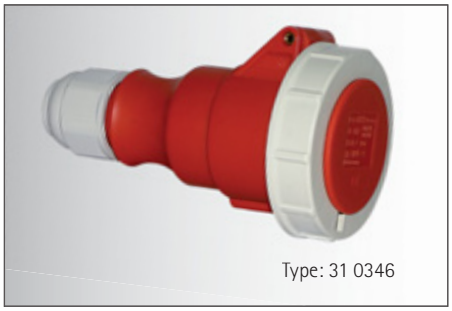


3 MB 69

Ampere	125	125	125
Poles	3	4	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 TE with Multi-Grip
- screw terminals
- screwless housing connection
- box terminals
- high temperature resistant contact carrier
- Kontex-Plus
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

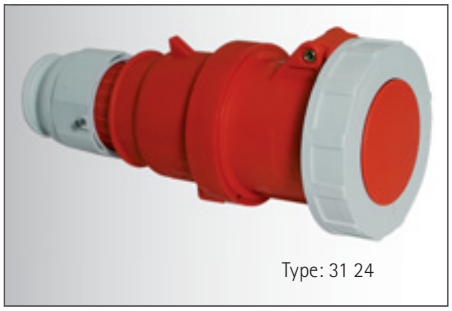
For further information please see Bals.com · Other voltages and frequencies are available on request.



Poles		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
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	31 0331	**31 0333**	31 0334				10	191
16	4	31 0338	31 0339	**31 0340**				10	218
16	5	31 0344	31 0345	**31 0346**				10	245
32	3	31 0350	**31 0351**	31 0352				10	322
32	4	31 0356	31 0357	**31 0358**				10	334
32	5	31 0362	31 0363	**31 0364**				10	380



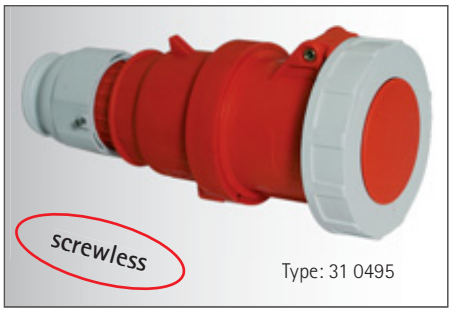
16	3	31 298	**31 240**	31 299	31 457		31 0417	10	195
16	4	31 301	31 302	**31 241**	31 242	31 303	31 304	10	230
16	5	31 305	31 306	**31 243**	31 501		31 409	10	265
32	3	31 307	**31 244**	31 308				10	355
32	4	31 309	31 310	**31 245**	31 246	31 311	31 312	10	375
32	5	31 313	31 314	**31 247**	31 207		31 0415	10	420



63	3	31 80	**31 81**	31 82	31 724	31 605		5	725
63	4	31 83	31 84	**31 85**	31 86	31 504	31 251	5	785
63	5	31 87	31 88	**31 24**	31 082	31 505	31 183	5	830

With PILOT contact use indicated part.-no. and add index „P".

External cable gland please see page 244.



63	4			**31 0491**	31 0493			5	745
63	5			**31 0495**				5	825

External cable gland please see page 244.



125	3	31 90	**31 91**	31 92				5	1130
125	4	31 93	31 94	**31 95**	31 96	31 611		5	1230
125	5	31 97	31 98	**31 99**	31 417			5	1350

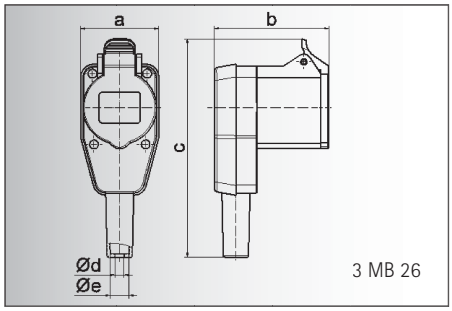
With PILOT contact use indicated part.-no. and add index „P".

External cable gland please see page 244.

4

ANGLED CONNECTORS/ HANGING CONNECTORS

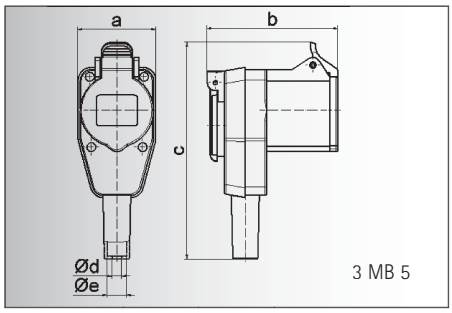
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



3 MB 26

Ampere	16
Poles	3
a	54,0
b	79,0
c	139,0
d ø	6,5
e ø	13,0
Cond. mm² min	1
Cond. mm² max	2,5

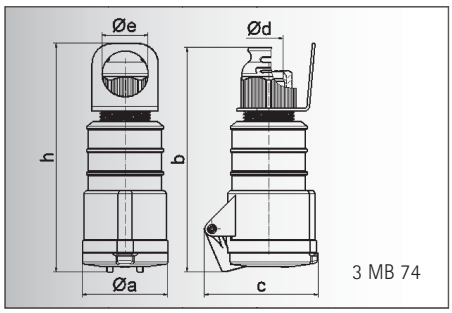
Angled Connector
- screw terminals
- with long cable sleeve
- protection degree IP 44



3 MB 5

Ampere	16
Poles	3
a	54,0
b	89,0
c	139,0
d ø	6,5
e ø	13,0
Cond. mm² min	1
Cond. mm² max	2,5

Angled Connector
- screw terminals
- with **socket outlet schuko type**
- with long cable sleeve
- protection degree IP 44



3 MB 74

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	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

Connector with suspension ring TE-Plus with Multi-Grip
- screwless terminals
- suspended hook
- high temperature resistant contact carrier
- Kontex-terminals
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

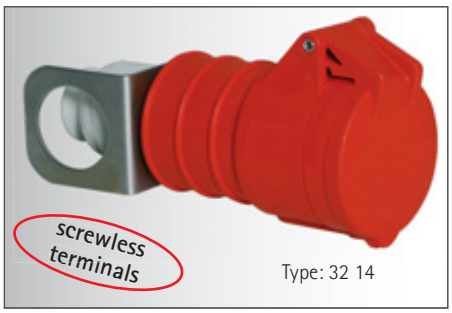
Poles 2P+E 3P+E 3P+N+E		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
Ampere	Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	g each
16	3		**33 0**					10	155



16	3		**33 1**					10	175



16	3	32 08	**32 09**					10	170
16	4			**32 10**	32 11	32 13	32 12	10	210
16	5			**32 14**				10	240
32	3	32 15	**32 16**					10	305
32	4			**32 17**	32 18	32 20	32 19	10	325
32	5			**32 21**				10	365





SURFACE MOUNTING SOCKET switched, interlocked, fused

SURFACE MOUNTING SOCKET OUTLETS

Sockets fused, Sockets switched, Sockets switched with mechanical interlocking, Socketss switched and fused, Sockets switched with mechanical interlocking and fused

TABLE OF CONTENTS

Sockets fused
Page 78 - 93



Sockets switched
Page 94 - 97



Sockets switched with mechanical interlocking
Page 98 - 101



Sockets switched and fused
Page 102 - 107



Sockets switched with mechanical interlocking and fused
Page 108 - 113



Preferred scopes



Construction Industry

Camping site



Industry

Building Services



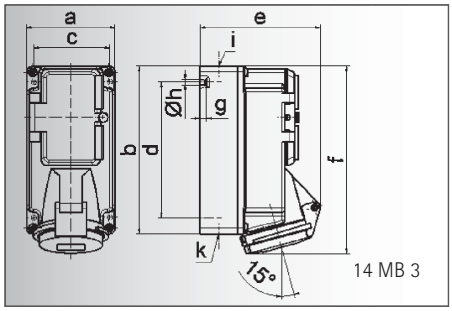
Farming



Harbour and Shipbuilding

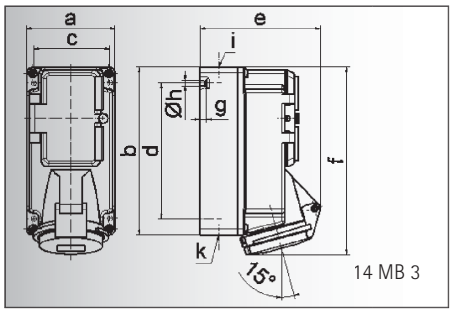
SURFACE MOUNTING SOCKET OUTLETS, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44
Din-rail, transparent operating windows and insert out of high-quality plastic



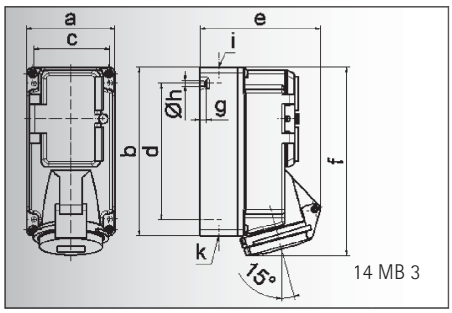
Ampere	16	16	16
Poles	3	4	5
a	90,0	90,0	90,0
b	170,0	170,0	170,0
c	77,0	77,0	77,0
d	137,5	137,5	137,5
e	118,0	114,0	121,0
f	188,5	188,5	190,0
g	6,0	6,0	6,0
h ø	5,5	5,5	5,5
i	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

Surface Mounting Socket Outlet
- with DIN rail
- 5 modules
- protection degree IP 44



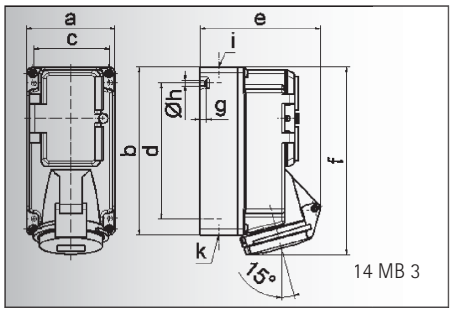
Ampere	16	16	16
Poles	3	4	5
a	90,0	90,0	90,0
b	170,0	170,0	170,0
c	77,0	77,0	77,0
d	137,5	137,5	137,5
e	118,0	114,0	121,0
f	188,5	188,5	190,0
g	6,0	6,0	6,0
h ø	5,5	5,5	5,5
i	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

Surface Mounting Socket Outlet
- with 1- or 3pol. fuse base D 01
- protection degree IP 44



Ampere	16	16	16
Poles	3	4	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	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

Surface Mounting Socket Outlet
- fused with C-type MCB
- protection degree IP 44

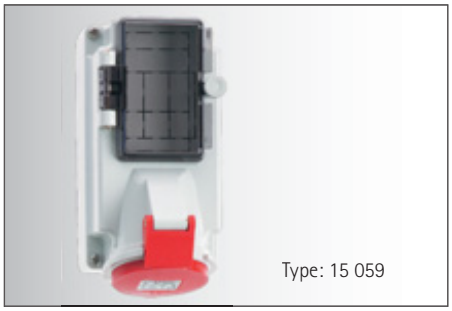


Ampere	16	16	16
Poles	3	4	5
a	90,0	90,0	90,0
b	170,0	170,0	170,0
c	77,0	77,0	77,0
d	137,5	137,5	137,5
e	118,0	114,0	121,0
f	188,5	188,5	190,0
g	6,0	6,0	6,0
h ø	5,5	5,5	5,5
i	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

Surface Mounting Socket Outlet
- with rated current device 2- or 4pol. 25/0,03A
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

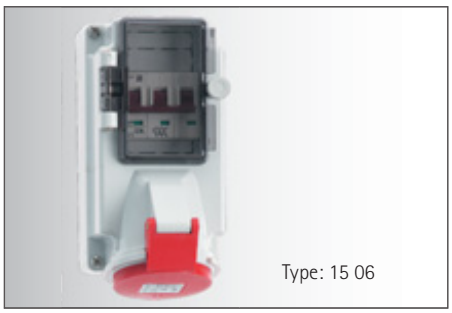
Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E 3P+E 3P+N+E		3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	15 239	**15 019**					1	650
16	4		15 095	**15 6**				1	670
16	5		15 096	**15 059**				1	700


Type: 15 059

16	3	15 382	**15 00**					1	700
16	4		15 29	**15 8**				1	920
16	5		15 30	**15 9**				1	950


Type: 15 9

16	3	15 384	**15 04**					1	750
16	4		15 33	**15 05**				1	1080
16	5		15 34	**15 06**				1	1110

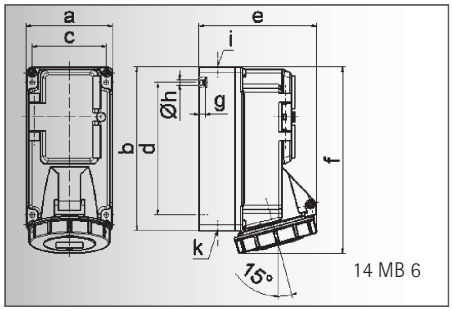

Type: 15 06

16	3	15 386	**15 101**					1	1110
16	4		15 102	**15 103**				1	1130
16	5		15 104	**15 105**				1	1160


Type: 15 105

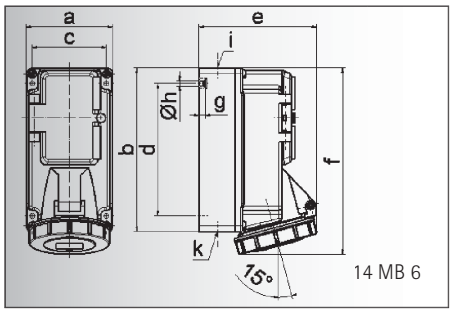
SURFACE MOUNTING SOCKET OUTLETS, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67
Din-rail, transparent operating windows and insert out of high-quality plastic



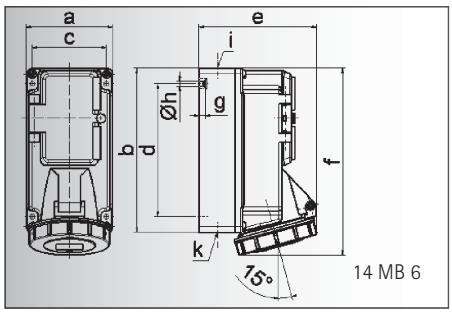
Ampere	16	16	16
Poles	3	4	5
a	90,0	90,0	90,0
b	170,0	170,0	170,0
c	77,0	77,0	77,0
d	137,5	137,5	137,5
e	108,0	115,0	121,0
f	191,5	191,5	191,5
g	6,0	6,0	6,0
h ø	5,5	5,5	5,5
i	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

Surface Mounting Socket Outlet
- with DIN rail
- 5 modules
- protection degree IP 67



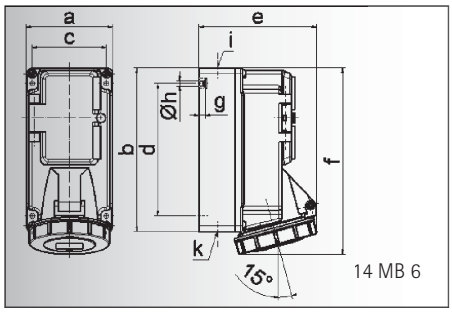
Ampere	16	16	16
Poles	3	4	5
a	90,0	90,0	90,0
b	170,0	170,0	170,0
c	77,0	77,0	77,0
d	137,5	137,5	137,5
e	108,0	115,0	121,0
f	191,5	191,5	191,5
g	6,0	6,0	6,0
h ø	5,5	5,5	5,5
i	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

Surface Mounting Socket Outlet
- with 1- or 3pol. fuse base D 01
- protection degree IP 67



Ampere	16	16	16
Poles	3	4	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	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

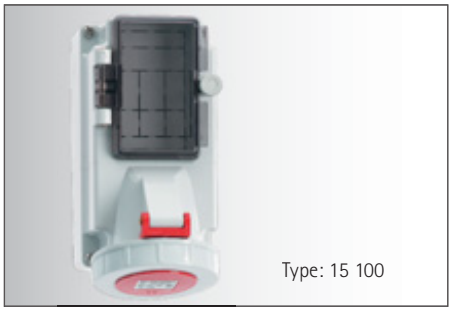
Surface Mounting Socket Outlet
- fused with C-type MCB
- protection degree IP 67



Ampere	16	16	16
Poles	3	4	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	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

Surface Mounting Socket Outlet
- with rated current device 2- or 4pol. 25/0,03A
- protection degree IP 67

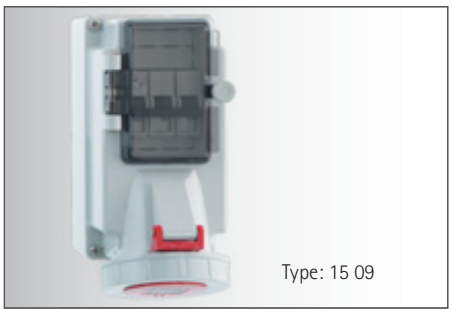
For further information please see Bals.com · Other voltages and frequencies are available on request.


Type: 15 100

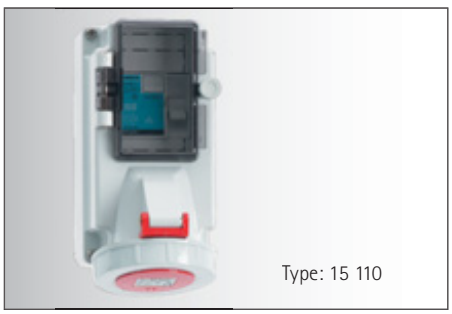
Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	4pol 4h	5pol 4h	230V 50-60 Hz 3pol 6h	4pol 9h	5pol 9h	400V 50-60 Hz 3pol 9h	4pol 6h	5pol 6h	500V 50-60 Hz 3pol 7h	4pol 7h	5pol 7h	100-300Hz > 50V 3pol 10h	4pol 10h	5pol 10h	301-500Hz > 50V 3pol 2h	4pol 2h	5pol 2h	Qty	g each
16	3		15 240			**15 024**															1	670
16	4					15 097			**15 098**												1	690
16	5					15 099			**15 100**												1	720


Type: 15 03

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	4pol 4h	5pol 4h	230V 50-60 Hz 3pol 6h	4pol 9h	5pol 9h	400V 50-60 Hz 3pol 9h	4pol 6h	5pol 6h	500V 50-60 Hz 3pol 7h	4pol 7h	5pol 7h	100-300Hz > 50V 3pol 10h	4pol 10h	5pol 10h	301-500Hz > 50V 3pol 2h	4pol 2h	5pol 2h	Qty	g each
16	3		15 383			**15 01**															1	720
16	4					15 31			**15 02**												1	930
16	5					15 32			**15 03**												1	980


Type: 15 09

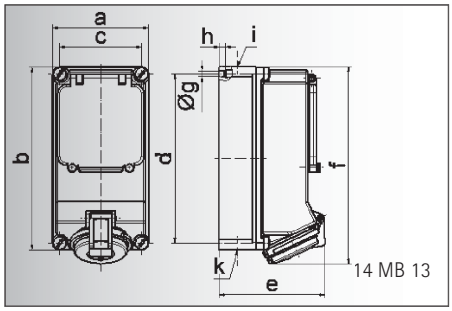
Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	4pol 4h	5pol 4h	230V 50-60 Hz 3pol 6h	4pol 9h	5pol 9h	400V 50-60 Hz 3pol 9h	4pol 6h	5pol 6h	500V 50-60 Hz 3pol 7h	4pol 7h	5pol 7h	100-300Hz > 50V 3pol 10h	4pol 10h	5pol 10h	301-500Hz > 50V 3pol 2h	4pol 2h	5pol 2h	Qty	g each
16	3		15 385			**15 07**															1	770
16	4					15 35			**15 08**												1	1100
16	5					15 36			**15 09**												1	1130


Type: 15 110

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	4pol 4h	5pol 4h	230V 50-60 Hz 3pol 6h	4pol 9h	5pol 9h	400V 50-60 Hz 3pol 9h	4pol 6h	5pol 6h	500V 50-60 Hz 3pol 7h	4pol 7h	5pol 7h	100-300Hz > 50V 3pol 10h	4pol 10h	5pol 10h	301-500Hz > 50V 3pol 2h	4pol 2h	5pol 2h	Qty	g each
16	3		15 387			**15 106**															1	1140
16	4					15 107			**15 108**												1	1180
16	5					15 109			**15 110**												1	1200

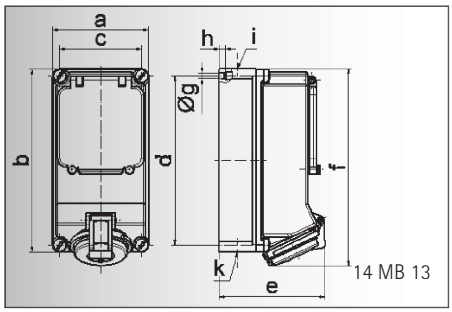
SURFACE MOUNTING SOCKET OUTLETS, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44
Din-rail, transparent operating windows and insert out of high-quality plastic



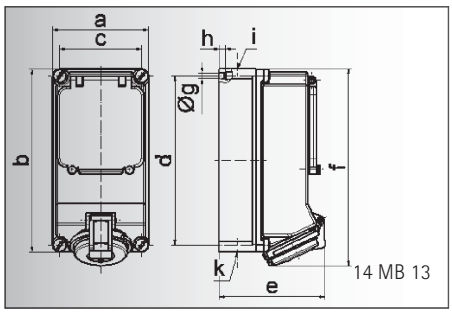
Ampere	16	16	32	32	32
Poles	4	5	3	4	5
a	118,0	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0	208,0
e	123,0	130,0	134,0	134,0	141,0
f	242,0	242,0	250,0	250,0	250,0
g ø	6,5	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- with DIN rail
- 5 modules
- protection degree IP 44



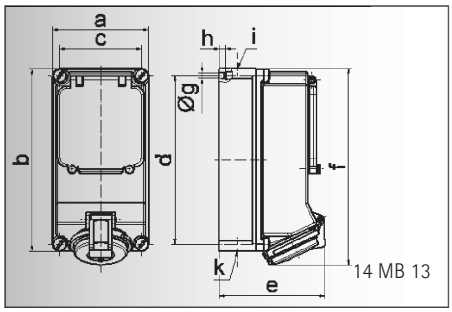
Ampere	16	16	32	32	32
Poles	4	5	3	4	5
a	118,0	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0	208,0
e	123,0	130,0	134,0	134,0	141,0
f	242,0	242,0	250,0	250,0	250,0
g ø	6,5	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- with fuse base
  at 16A D 01
  at 32A D 02
- protection degree IP 44



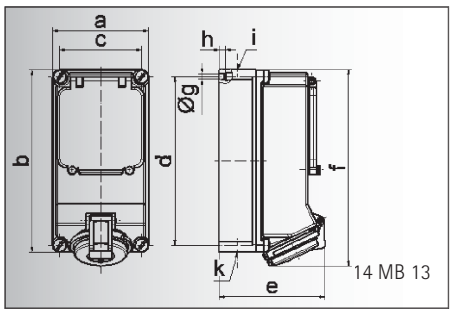
Ampere	16	16	32	32	32
Poles	4	5	3	4	5
a	118,0	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0	208,0
e	123,0	130,0	134,0	134,0	141,0
f	242,0	242,0	250,0	250,0	250,0
g ø	6,5	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- with 3pol. D-fuse base
  at 16A D I
  at 32A D II
- protection degree IP 44



Ampere	16	16	32	32
Poles	4	5	4	5
a	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0
e	123,0	130,0	134,0	141,0
f	242,0	242,0	250,0	250,0
g ø	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- fused with C-type MCB 3 pole
- protection degree IP 44



Ampere	16	16	32	32
Poles	4	5	4	5
a	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0
e	123,0	130,0	134,0	141,0
f	242,0	242,0	250,0	250,0
g ø	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- with rated current device
  at 16A 25/0,03A 4pol.
  at 32A 40/0,03A 4pol.
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

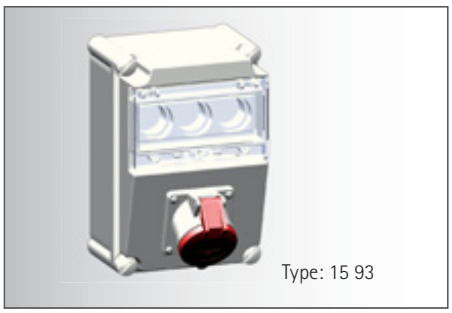
Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
Ampere	Poles																					
16	4									**15 82**		15 044									1	920
16	5									**15 83**											1	950
32	3		15 029			**15 030**															1	960
32	4									**15 84**		15 045									1	980
32	5									**15 85**											1	1120


Type: 15 85

16	4									**15 86**											1	1120
16	5									**15 87**											1	1150
32	3					15 37															1	1160
32	4									**15 88**											1	1180
32	5									**15 89**											1	1320


Type: 15 89

16	4									**15 90**		15 040									1	1370
16	5									**15 91**											1	1400
32	3					15 40															1	1550
32	4									**15 92**		15 037									1	1570
32	5									**15 93**											1	1620


Type: 15 93

16	4									**15 94**											1	1220
16	5									**15 95**											1	1250
32	4									**15 96**											1	1280
32	5									**15 97**											1	1420

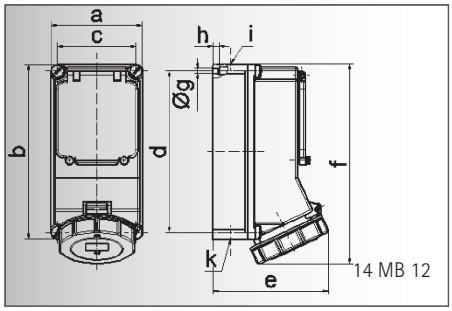

Type: 15 97

16	4									**15 125**											1	1380
16	5									**15 076**											1	1410
32	4									**15 126**											1	1440
32	5									**15 077**											1	1480


Type: 15 077

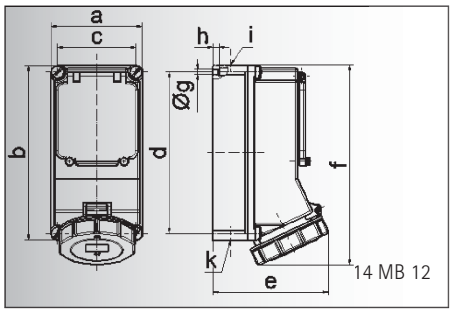
SURFACE MOUNTING SOCKET OUTLETS, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67
Din-rail, transparent operating windows and insert out of high-quality plastic



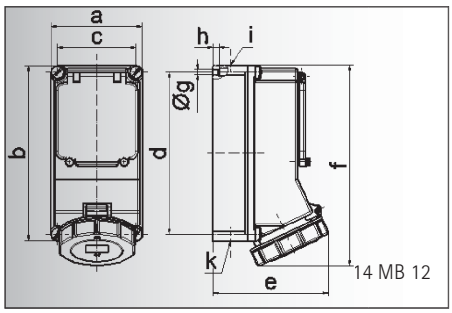
Ampere	16	16	32	32	32
Poles	4	5	3	4	5
a	118,0	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0	208,0
e	127,0	134,0	143,0	143,0	149,0
f	245,0	245,0	255,0	255,0	255,0
g ø	6,5	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- with DIN rail
- 5 modules
- protection degree IP 67



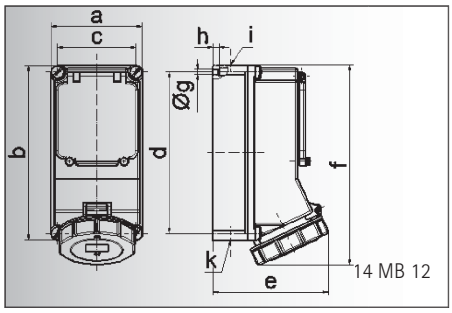
Ampere	16	16	32	32	32
Poles	4	5	3	4	5
a	118,0	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0	208,0
e	127,0	134,0	143,0	143,0	149,0
f	245,0	245,0	255,0	255,0	255,0
g ø	6,5	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- with fuse base
  at 16A D 01
  at 32A D 02
- protection degree IP 67



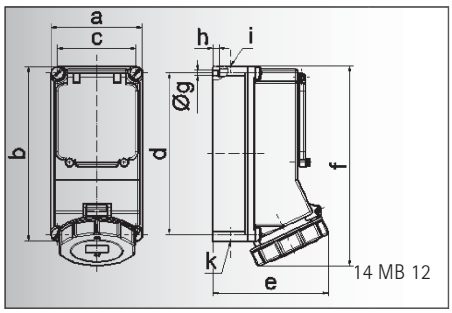
Ampere	16	16	32	32
Poles	4	5	4	5
a	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0
e	127,0	134,0	143,0	149,0
f	245,0	245,0	255,0	255,0
g ø	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- with 3pol. fuse base D II
- protection degree IP 67



Ampere	16	16	32	32
Poles	4	5	4	5
a	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0
e	127,0	134,0	143,0	149,0
f	245,0	245,0	255,0	255,0
g ø	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- fused with C-type MCB 3 pole
- protection degree IP 67



Ampere	16	16	32	32
Poles	4	5	4	5
a	118,0	118,0	118,0	118,0
b	225,0	225,0	225,0	225,0
c	101,0	101,0	101,0	101,0
d	208,0	208,0	208,0	208,0
e	127,0	134,0	143,0	149,0
f	245,0	245,0	255,0	255,0
g ø	6,5	6,5	6,5	6,5
h	8,0	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- with rated current device
  at 16A 25/0,03A 4pol.
  at 32A 40/0,03A 4pol.
- protection degree IP 67

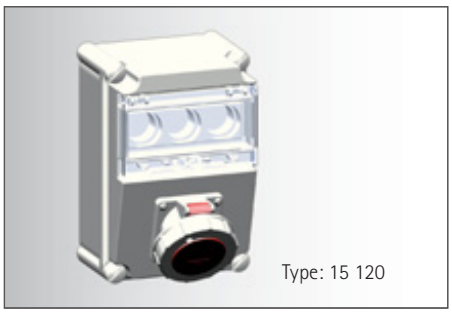
For further information please see Bals.com · Other voltages and frequencies are available on request.


Type: 15 112

Poles		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 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	Qty	g each
Ampere	Poles																				
16	4							15 027			15 176									1	950
16	5							15 028												1	980
32	3		15 388			15 352														1	1000
32	4							15 111			15 177									1	1020
32	5							15 112												1	1160


Type: 15 116

16	4							15 113												1	1150
16	5							15 114												1	1180
32	3				15 65															1	1200
32	4							15 115												1	1220
32	5							15 116												1	1360


Type: 15 120

16	4							15 117			15 178									1	1400
16	5							15 118												1	1430
32	4							15 119			15 179									1	1610
32	5							15 120												1	1660


Type: 15 124

16	4							15 121												1	1250
16	5							15 122												1	1280
32	4							15 123												1	1320
32	5							15 124												1	1460

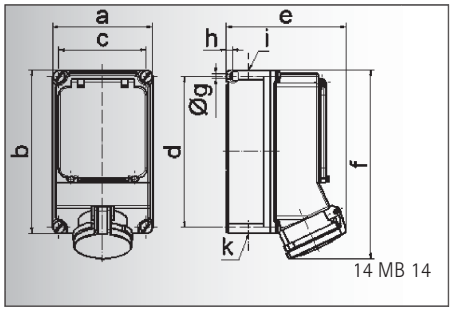

Type: 15 079

16	4							15 127												1	1410
16	5							15 078												1	1440
32	4							15 128												1	1480
32	5							15 079												1	1520

5

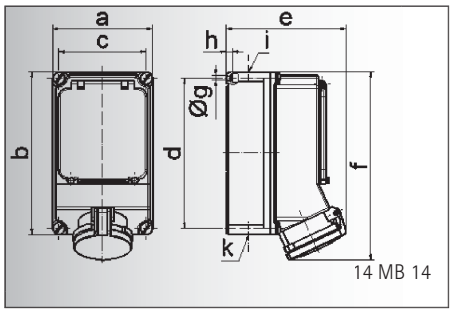
SURFACE MOUNTING SOCKET OUTLETS, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44
Din-rail, transparent operating windows and insert out of high-quality plastic



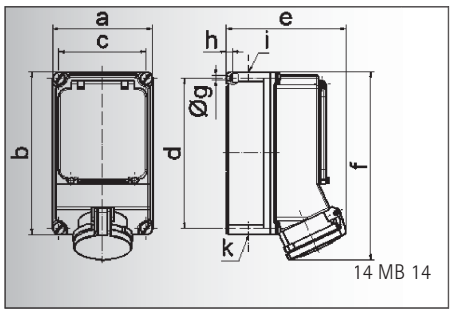
Ampere	32	32	63	63	63
Poles	4	5	3	4	5
a	160,0	160,0	160,0	160,0	160,0
b	260,0	260,0	260,0	260,0	260,0
c	140,0	140,0	140,0	140,0	140,0
d	240,0	240,0	240,0	240,0	240,0
e	160,0	168,0	185,0	185,0	185,0
f	286,0	286,0	303,0	303,0	303,0
g ø	8,1	8,1	8,1	8,1	8,1
h	10,0	10,0	10,0	10,0	10,0
i	M 40	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with DIN rail
- 7 modules
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



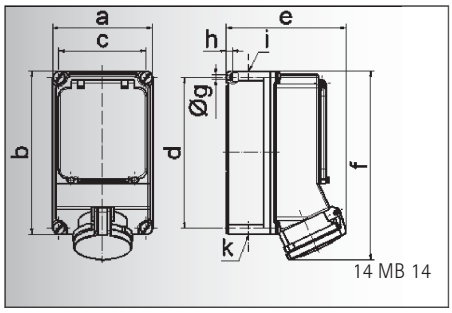
Ampere	32	32	63	63	63
Poles	4	5	3	4	5
a	160,0	160,0	160,0	160,0	160,0
b	260,0	260,0	260,0	260,0	260,0
c	140,0	140,0	140,0	140,0	140,0
d	240,0	240,0	240,0	240,0	240,0
e	160,0	168,0	185,0	185,0	185,0
f	286,0	286,0	303,0	303,0	303,0
g ø	8,1	8,1	8,1	8,1	8,1
h	10,0	10,0	10,0	10,0	10,0
i	M 40	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with 3pol. fuse base D 02
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



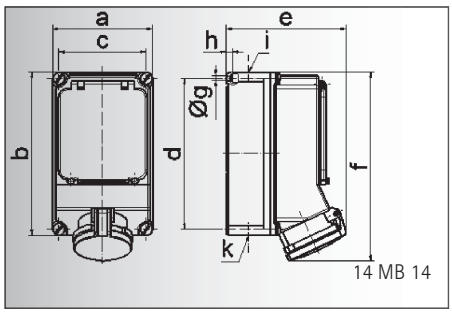
Ampere	32	32	63	63
Poles	4	5	4	5
a	160,0	160,0	160,0	160,0
b	260,0	260,0	260,0	260,0
c	140,0	140,0	140,0	140,0
d	240,0	240,0	240,0	240,0
e	160,0	168,0	185,0	185,0
f	286,0	286,0	303,0	303,0
g ø	8,1	8,1	8,1	8,1
h	10,0	10,0	10,0	10,0
i	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with 3pol. fuse base D 03
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



Ampere	32	32	63	63
Poles	4	5	4	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	160,0	168,0	185,0	185,0
f	286,0	286,0	303,0	303,0
g ø	8,1	8,1	8,1	8,1
h	10,0	10,0	10,0	10,0
i	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- fused with C-type MCB 3 pole
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



Ampere	32	32	63	63
Poles	4	5	4	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	160,0	168,0	185,0	185,0
f	286,0	286,0	303,0	303,0
g ø	8,1	8,1	8,1	8,1
h	10,0	10,0	10,0	10,0
i	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with rated current device at 32A 40/0,03A 4pol. at 63A 63/0,03A 4pol.
- 63A with box terminal and Kontex-Plus
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.


Type: 15 036

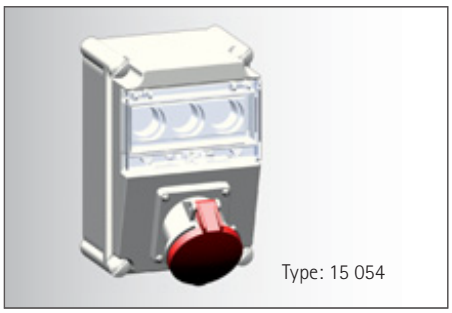
Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
32	4								**15 129**			15 172									1	1980
32	5								**15 130**												1	2020
63	3					**15 052**															1	2110
63	4								**15 035**			15 173									1	2140
63	5								**15 036**												1	2340

Products 63A with PILOT contact use indicated part.-no. and add index „P".


Type: 15 082

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
32	4								**15 131**												1	2280
32	5								**15 132**												1	2320
63	3					**15 058**															1	2410
63	4								**15 081**												1	2440
63	5								**15 082**												1	2640

Products 63A with PILOT contact use indicated part.-no. and add index „P".


Type: 15 054

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
32	4								**15 135**			15 085									1	2580
32	5								**15 136**												1	2620
63	4								**15 137**			15 087									1	2740
63	5								**15 054**												1	2940

Products 63A with PILOT contact use indicated part.-no. and add index „P".


Type: 15 141

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
32	4								**15 138**												1	2380
32	5								**15 139**												1	2420
63	4								**15 140**												1	2540
63	5								**15 141**												1	2740

Products 63A with PILOT contact use indicated part.-no. and add index „P".


Type: 15 017

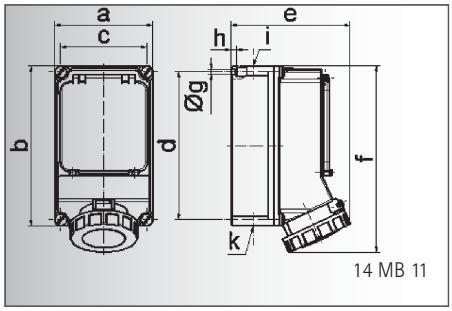
Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
32	4								**15 146**												1	2420
32	5								**15 147**												1	2460
63	4								**15 148**												1	2580
63	5								**15 017**												1	2780

Products 63A with PILOT contact use indicated part.-no. and add index „P".

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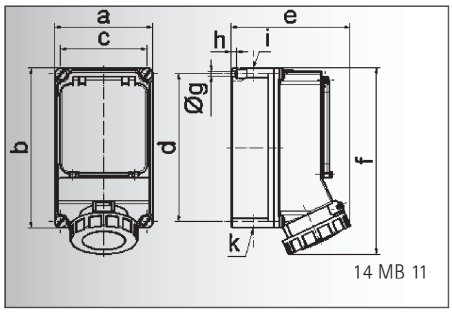
SURFACE MOUNTING SOCKET OUTLETS, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67
Din-rail, transparent operating windows and insert out of high-quality plastic



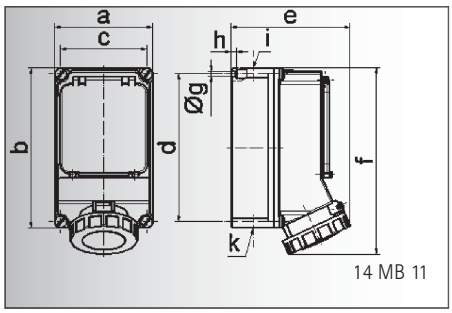
Ampere	32	32	63	63
Poles	4	5	4	5
a	160,0	160,0	160,0	160,0
b	260,0	260,0	260,0	260,0
c	140,0	140,0	140,0	140,0
d	240,0	240,0	240,0	240,0
e	172,0	174,0	195,0	195,0
f	293,0	294,0	304,0	304,0
g ø	8,1	8,1	8,1	8,1
h	10,0	10,0	10,0	10,0
i	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with DIN rail
- 7 modules
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



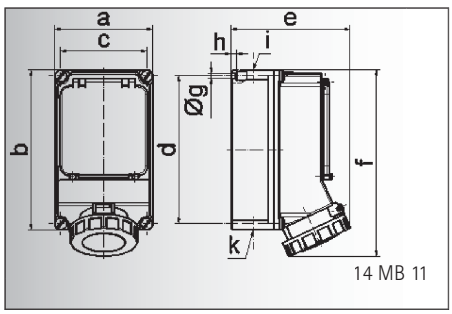
Ampere	32	32	63	63
Poles	4	5	4	5
a	160,0	160,0	160,0	160,0
b	260,0	260,0	260,0	260,0
c	140,0	140,0	140,0	140,0
d	240,0	240,0	240,0	240,0
e	172,0	174,0	195,0	195,0
f	293,0	294,0	304,0	304,0
g ø	8,1	8,1	8,1	8,1
h	10,0	10,0	10,0	10,0
i	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with 3pol. fuse base D 02
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



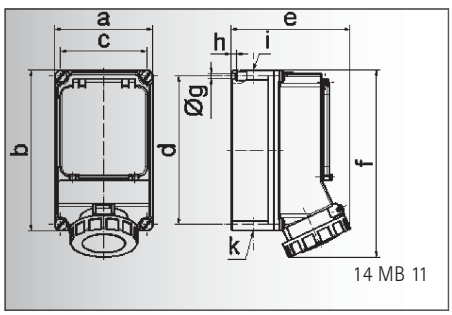
Ampere	32	32	63	63
Poles	4	5	4	5
a	160,0	160,0	160,0	160,0
b	260,0	260,0	260,0	260,0
c	140,0	140,0	140,0	140,0
d	240,0	240,0	240,0	240,0
e	172,0	174,0	195,0	195,0
f	293,0	294,0	304,0	304,0
g ø	8,1	8,1	8,1	8,1
h	10,0	10,0	10,0	10,0
i	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with 3pol. fuse base D 03
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



Ampere	32	32	63	63
Poles	4	5	4	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	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- fused with C-type MCB 3 pole
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



Ampere	32	32	63	63
Poles	4	5	4	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	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with rated current device at 32A 40/0,03A 4pol. at 63A 63/0,03A 4pol.
- 63A with box terminal and Kontex-Plus
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E (3)	3P+E (4)	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
32	4			**15 98**	15 174			1	2020
32	5			**15 99**				1	2060
63	4			**15 000**	15 175			1	2200
63	5			**15 001**				1	2400


Type: 15 001

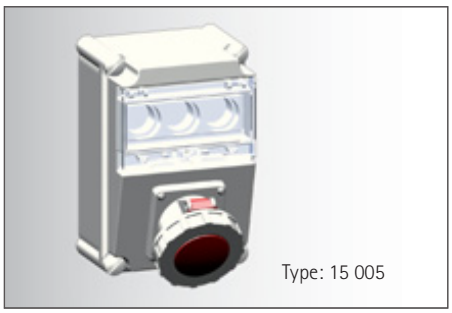
Products 63A with PILOT contact use indicated part.-no. and add index „P".

32	4			**15 133**				1	2320
32	5			**15 134**				1	2360
63	4			**15 083**				1	2500
63	5			**15 013**				1	2700


Type: 15 013

Products 63A with PILOT contact use indicated part.-no. and add index „P".

32	4			**15 002**	15 041			1	2620
32	5			**15 003**				1	2660
63	4			**15 004**	15 023			1	2800
63	5			**15 005**				1	3000


Type: 15 005

Products 63A with PILOT contact use indicated part.-no. and add index „P".

32	4			**15 142**				1	2420
32	5			**15 143**				1	2460
63	4			**15 144**				1	2600
63	5			**15 145**				1	2800


Type: 15 145

Products 63A with PILOT contact use indicated part.-no. and add index „P".

32	4			**15 149**				1	2460
32	5			**15 150**				1	2500
63	4			**15 151**				1	2440
63	5			**15 080**				1	2840

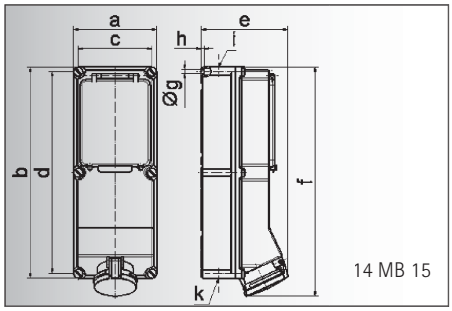

Type: 15 080

Products 63A with PILOT contact use indicated part.-no. and add index „P".

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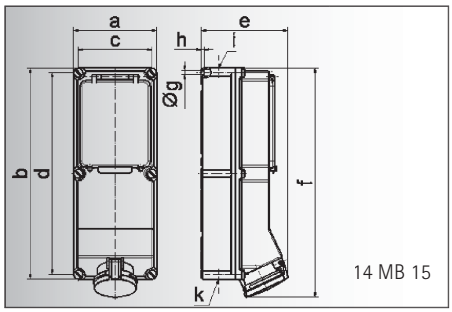
SURFACE MOUNTING SOCKET OUTLETS, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44
Din-rail, transparent operating windows and insert out of high-quality plastic



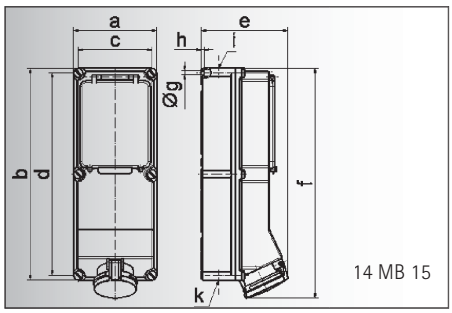
Ampere	63	63
Poles	4	5
a	180,0	180,0
b	460,0	460,0
c	160,0	160,0
d	440,0	440,0
e	182,0	182,0
f	498,0	498,0
g ø	8,3	8,3
h	6,5	6,5
i	M 40	M 40
k	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with fuse disconnector NH 00
- Kontex-Plus
- box terminal
- protection degree IP 44



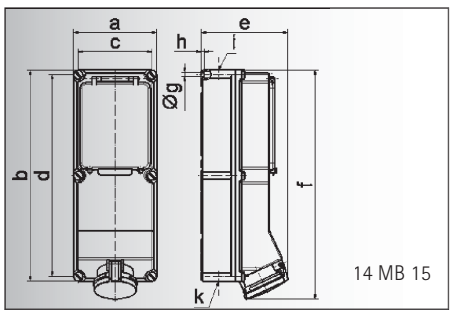
Ampere	63	63
Poles	4	5
a	180,0	180,0
b	460,0	460,0
c	160,0	160,0
d	440,0	440,0
e	182,0	182,0
f	498,0	498,0
g ø	8,3	8,3
h	6,5	6,5
i	M 40	M 40
k	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with DIN rail
- 8 modules
- Kontex-Plus
- box terminal
- protection degree IP 44



Ampere	63	63
Poles	4	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	M 40	M 40
k	M 32/40	M 32/40

Surface Mounting Socket Outlet
- with rated current device 63/0,03A 4pol.
- Kontex-Plus
- box terminal
- protection degree IP 44



Ampere	63	63
Poles	4	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	M 40	M 40
k	M 32/40	M 32/40

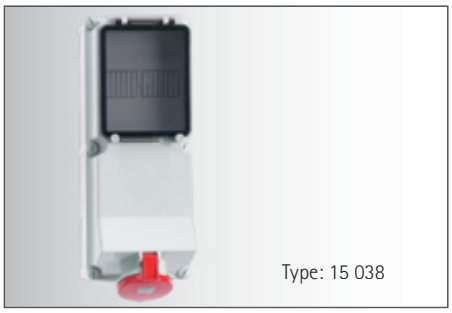
Surface Mounting Socket Outlet
- with rated current device 63/0,3A 4pol.
- Kontex-Plus
- box terminal
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

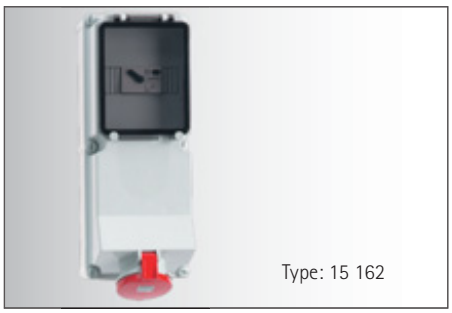
Poles		110V 50-60 Hz		230V 50-60 Hz		400V 50-60 Hz		500V 50-60 Hz		100-300Hz > 50V		301-500Hz > 50V			
2P+E 3P+E 3P+N+E		3pol	4pol 5pol	3pol	4pol 5pol	3pol	4pol 5pol	3pol	4pol 5pol	3pol	4pol 5pol	3pol	4pol 5pol	Qty	g each
Ampere	Poles	4h	4h 4h	6h	9h 9h	9h	6h 6h	7h	7h 7h	10h	10h 10h	2h	2h 2h		
63	4					**15 152**		15 153						2	4900
63	5					**15 154**								2	5000
With PILOT contact use indicated part.-no. and add index „P".															


Type: 15 154

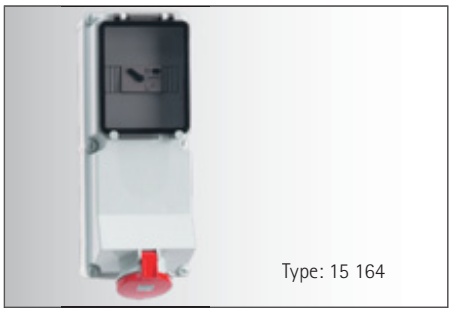
63	4					**15 155**		15 156						2	3800
63	5					**15 038**								2	4000
Products 63A with PILOT contact use indicated part.-no. and add index „P".															


Type: 15 038

63	4					**15 161**								2	5300
63	5					**15 162**								2	5400
Products 63A with PILOT contact use indicated part.-no. and add index „P".															


Type: 15 162

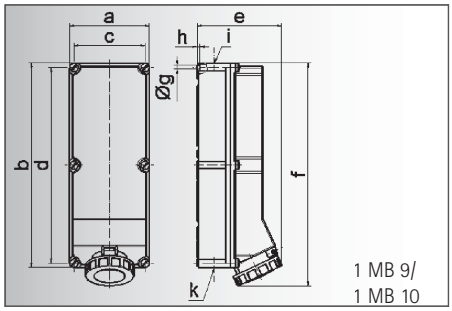
63	4					**15 163**								2	5300
63	5					**15 164**								2	5400
Products 63A with PILOT contact use indicated part.-no. and add index „P".															


Type: 15 164

5

SURFACE MOUNTING SOCKET OUTLETS, Fused

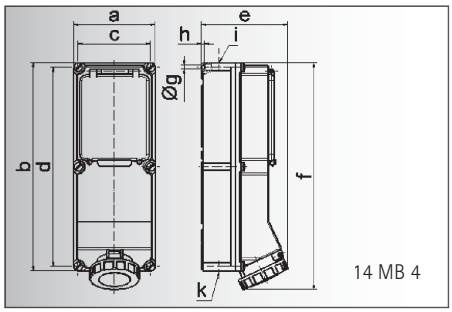
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67
Din-rail, transparent operating windows and insert out of high-quality plastic



1 MB 9/
1 MB 10

Ampere	63	63	125	125
Poles	4	5	4	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	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 40/50	M 40/50

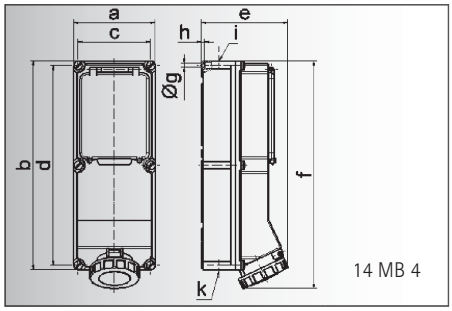
Surface Mounting Socket Outlet
- with fuse disconnector NH 00
- Kontex-Plus
- box terminal
- protection degree IP 67



14 MB 4

Ampere	63	63	63	125	125
Poles	3	4	5	4	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	M 40	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40	M 40/50	M 40/50

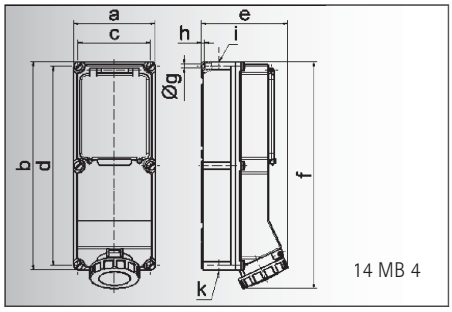
Surface Mounting Socket Outlet
- with DIN rail
- 8 modules
- Kontex-Plus
- box terminal
- protection degree IP 67



14 MB 4

Ampere	63	63	125	125
Poles	4	5	4	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	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 40/50	M 40/50

Surface Mounting Socket Outlet
- with rated current device
  at 63A 63/0,03A 4pol.
  at 125A 125/0,3A 4pol.
- Kontex-Plus
- box terminal
- protection degree IP 67

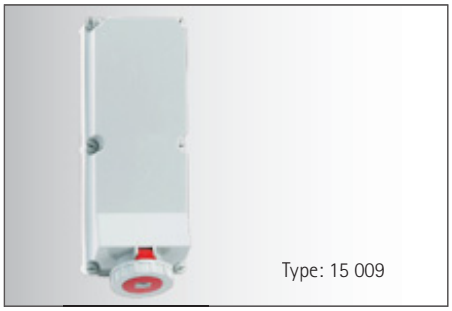


14 MB 4

Ampere	63	63	125	125
Poles	4	5	4	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	M 40	M 40	M 40	M 40
k	M 32/40	M 32/40	M 40/50	M 40/50

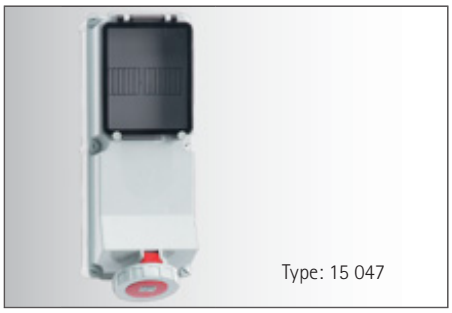
Surface Mounting Socket Outlet
- with rated current device
  at 63A 63/0,3A 4pol.
  at 125A 125/0,5A 4pol.
- Kontex-Plus
- box terminal
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.


Type: 15 009

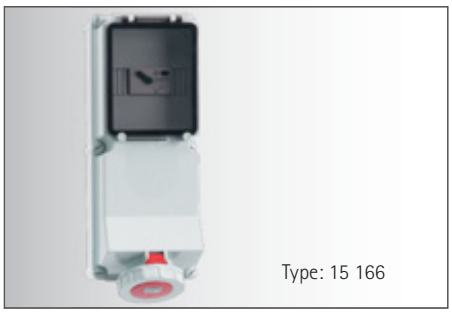
Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	4								**15 006**			15 042									2	5000
63	5								**15 007**												2	5100
125	4								**15 008**			15 043									2	6800
125	5								**15 009**												2	7000

Products 63A with PILOT contact use indicated part.-no. and add index „P".


Type: 15 047

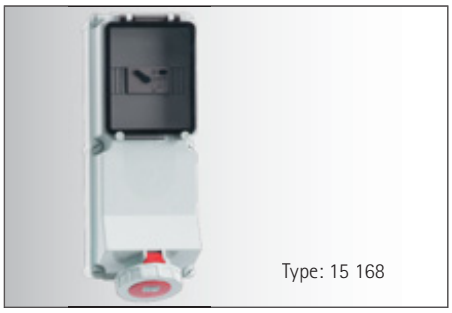
Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	3		15 072																		2	3970
63	4								**15 80**			15 157									2	4000
63	5								**15 047**												2	4200
125	4								**15 158**			15 159									2	5300
125	5								**15 160**												2	5500

Products 63A with PILOT contact use indicated part.-no. and add index „P".


Type: 15 166

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	4								**15 165**												2	5400
63	5								**15 166**												2	5500
125	4								**15 169**												2	5800
125	5								**15 170**												2	5900

Products 63A with PILOT contact use indicated part.-no. and add index „P".

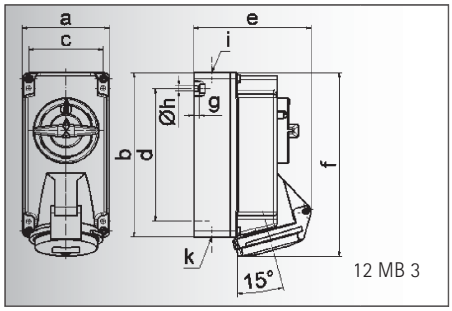

Type: 15 168

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
63	4								**15 167**												2	5400
63	5								**15 168**												2	5500
125	4								**15 171**												2	5800
125	5								**15 075**												2	5900

Products 63A with PILOT contact use indicated part.-no. and add index „P".

SURFACE MOUNTING SOCKET OUTLETS, Switched

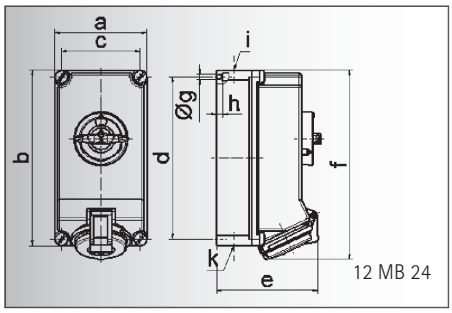
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



12 MB 3

Ampere	16	16	16
Poles	3	4	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	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

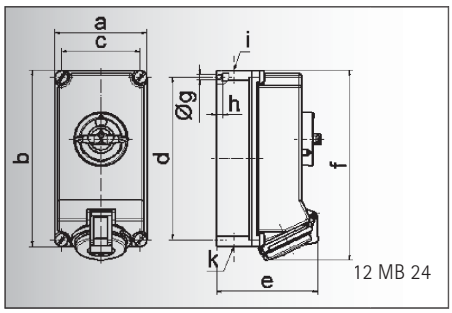
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- protection degree IP 44



12 MB 24

Ampere	16	16
Poles	4	5
a	118,0	118,0
b	225,0	225,0
c	101,0	101,0
d	208,0	208,0
e	126,0	134,0
f	242,0	242,0
g ø	6,5	6,5
h	8,0	8,0
i	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25

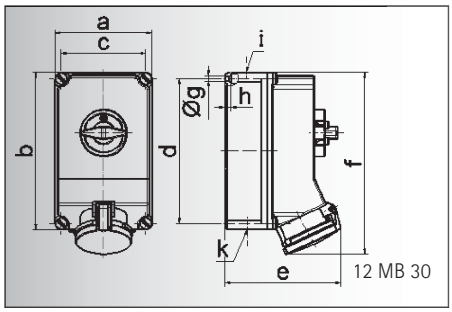
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- protection degree IP 44



12 MB 24

Ampere	32	32	32
Poles	3	4	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	137,0	137,0	144,0
f	251,0	251,0	251,0
g ø	6,5	6,5	6,5
h	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- protection degree IP 44



12 MB 30

Ampere	63	63	63
Poles	3	4	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	M 40	M 40
k	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- Kontex-Plus
- box terminal
- protection degree IP 44


Type: 16 1

Poles		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
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	16 145	**16 20**					1	610
16	4		16 47	**16 0**	16 6			1	690
16	5		16 48	**16 1**				1	700


Type: 16 027

16	4		16 052	**16 026**	16 113			1	1120
16	5			**16 027**				1	1130


Type: 16 031

32	3	16 147	**16 013**					1	1210
32	4		16 054	**16 030**	16 115			1	1230
32	5			**16 031**	16 095			1	1240

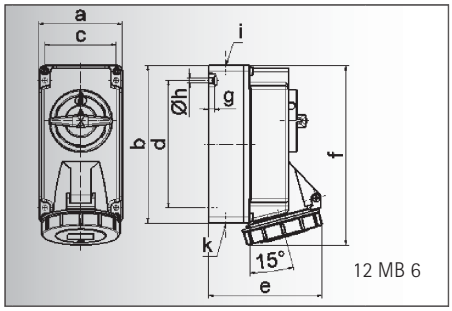

Type: 16 035

63	3	16 118	**16 149**					1	2740
63	4		16 056	**16 034**	16 116			1	2800
63	5			**16 035**				1	2930

Products 63A with PILOT contact use indicated part.-no. and add index „P".

SURFACE MOUNTING SOCKET OUTLETS, Switched

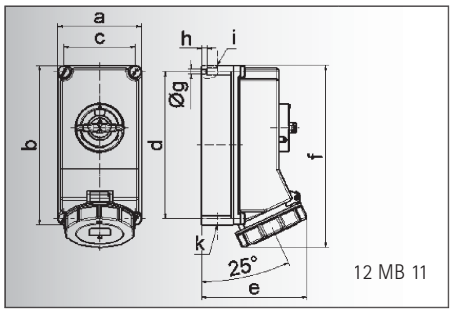
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



12 MB 6

Ampere	16	16	16
Poles	3	4	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	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

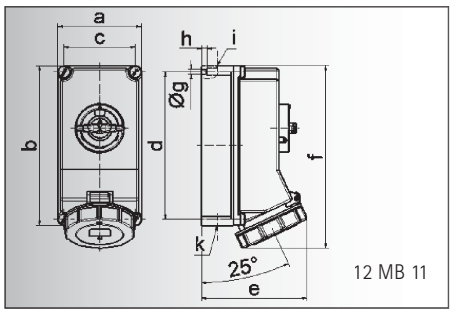
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- protection degree IP 67



12 MB 11

Ampere	16	16
Poles	4	5
a	118,0	118,0
b	225,0	225,0
c	101,0	101,0
d	208,0	208,0
e	127,0	134,0
f	245,0	245,0
g ø	6,5	6,5
h	8,0	8,0
i	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25

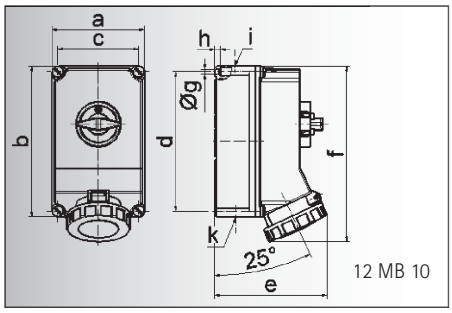
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- protection degree IP 67



12 MB 11

Ampere	32	32	32
Poles	3	4	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	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25

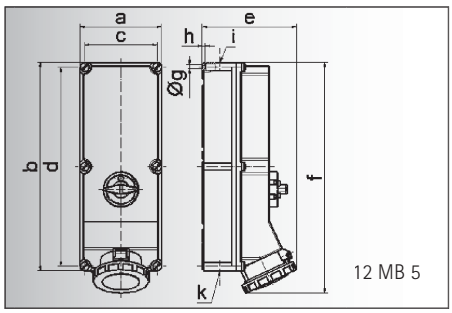
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- protection degree IP 67



12 MB 10

Ampere	63	63	63
Poles	3	4	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 ø	8,1	8,1	8,1
h	10,0	10,0	10,0
i	M40	M 40	M 40
k	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- Kontex-Plus
- box terminal
- protection degree IP 67



12 MB 5

Ampere	125	125	125
Poles	3	4	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	M 40	M 40
k	M 40/50	M 40/50	M 40/50

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- Kontex-Plus
- box terminal
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.


Type: 16 25

Poles		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
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	16 146	**16 23**					1	710
16	4		16 49	**16 24**	16 51			1	740
16	5		16 50	**16 25**				1	750


Type: 16 029

16	4		16 053	**16 028**	16 243			1	1140
16	5			**16 029**				1	1160

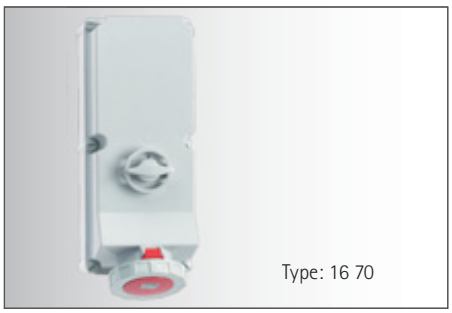

Type: 16 033

32	3	16 148	**16 103**					1	1270
32	4		16 055	**16 032**	16 244			1	1290
32	5			**16 033**				1	1300


Type: 16 037

63	3	16 150	**16 121**					1	2800
63	4		16 057	**16 036**	16 245			1	2860
63	5			**16 037**				1	3000

Products 63A with PILOT contact use indicated part.-no. and add index „P".

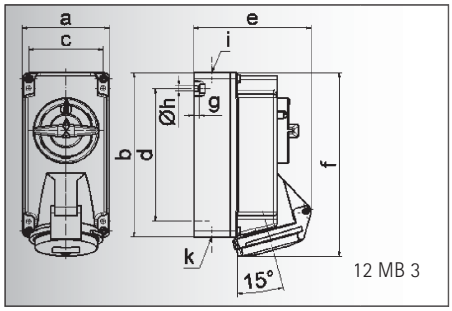

Type: 16 70

125	3		**16 419**					2	5640
125	4		16 66	**16 67**	16 68			2	5700
125	5		16 69	**16 70**				2	5800

Products 63A with PILOT contact use indicated part.-no. and add index „P".

SURFACE MOUNTING SOCKET OUTLETS, Switched, interlocked

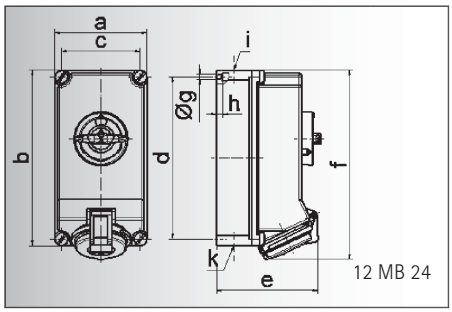
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



12 MB 3

Ampere	16	16	16
Poles	3	4	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	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

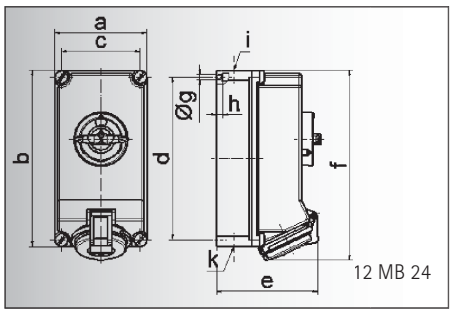
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with mechanical double interlocking
- protection degree IP 44



12 MB 24

Ampere	16	16
Poles	4	5
a	118,0	118,0
b	225,0	225,0
c	101,0	101,0
d	208,0	208,0
e	126,0	134,0
f	242,0	242,0
g ø	6,5	6,5
h	8,0	8,0
i	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25

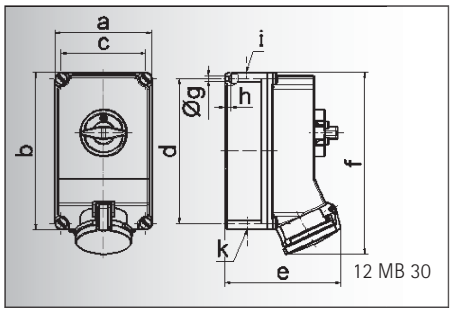
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with mechanical double interlocking
- protection degree IP 44



12 MB 24

Ampere	32	32	32
Poles	3	4	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	137,0	137,0	144,0
f	251,0	251,0	251,0
g ø	6,5	6,5	6,5
h	8,0	8,0	8,0
i	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with mechanical double interlocking
- protection degree IP 44



12 MB 30

Ampere	63	63	63
Poles	3	4	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	M 40	M 40	M 40
k	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with mechanical double interlocking
- Kontex-Plus
- box terminal
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.


Type: 16 11

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	110V 50-60 Hz 3pol 4h	4pol 4h	5pol 4h	230V 50-60 Hz 3pol 6h	4pol 9h	5pol 9h	400V 50-60 Hz 3pol 9h	4pol 6h	5pol 6h	500V 50-60 Hz 3pol 7h	4pol 7h	5pol 7h	100-300Hz > 50V 3pol 10h	4pol 10h	5pol 10h	301-500Hz > 50V 3pol 2h	4pol 2h	5pol 2h	Qty	g each
16	3		16 008			**16 19**															1	640
16	4					16 41			**16 10**			16 16									1	720
16	5					16 42			**16 11**												1	730


Type: 16 039

16	4					16 058			**16 038**			16 064									1	1150
16	5								**16 039**												1	1160


Type: 16 043

32	3		16 123			**16 097**															1	1260
32	4					16 060			**16 042**			16 066									1	1280
32	5								**16 043**												1	1290


Type: 16 603

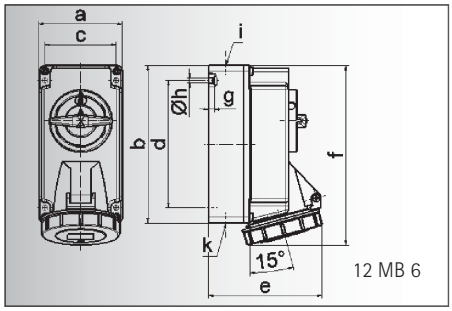
63	3		16 093			**16 956**															1	2840
63	4					16 933			**16 605**			16 827									1	2900
63	5								**16 603**			16 721									1	3030

Products 63A with PILOT contact use indicated part.-no. and add index „P".

5

SURFACE MOUNTING SOCKET OUTLETS, Switched, interlocked

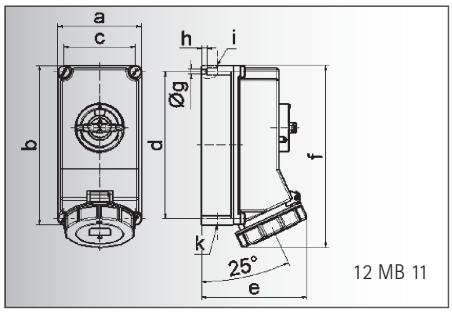
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



12 MB 6

Ampere	16	16	16
Poles	3	4	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	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

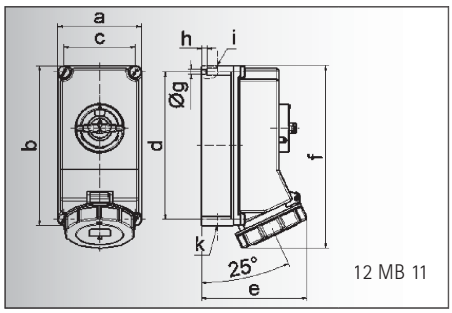
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with mechanical double interlocking
- protection degree IP 67



12 MB 11

Ampere	16	16
Poles	4	5
a	118,0	118,0
b	225,0	225,0
c	101,0	101,0
d	208,0	208,0
e	127,0	134,0
f	245,0	245,0
g ø	6,5	6,5
h	8,0	8,0
i	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25

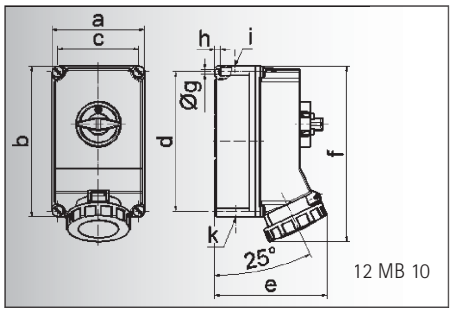
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with mechanical double interlocking
- protection degree IP 67



12 MB 11

Ampere	32	32	32
Poles	3	4	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	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25

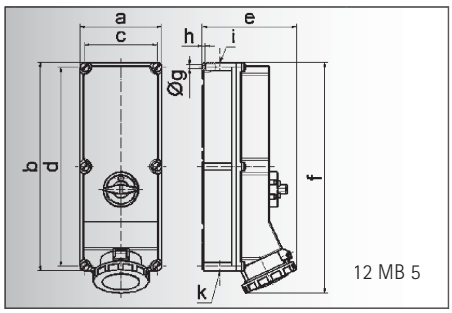
Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with mechanical double interlocking
- protection degree IP 67



12 MB 10

Ampere	63	63	63
Poles	3	4	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 ø	8,1	8,1	8,1
h	10,0	10,0	10,0
i	M40	M 40	M 40
k	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with mechanical double interlocking
- Kontex-Plus
- box terminal
- protection degree IP 67



12 MB 5

Ampere	125	125	125
Poles	3	4	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	M 40	M 40
k	M 40/50	M 40/50	M 40/50

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with mechanical double interlocking
- Kontex-Plus
- box terminal
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.


Type: 16 0052

Poles		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
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
16	3	16 138	**16 0048**	16 0056				1	740
16	4		16 0053	**16 0049**	16 0057			1	770
16	5		16 0055	**16 0052**	16 0058			1	780


Type: 16 041

16	4		16 059	**16 040**	16 065			1	1170
16	5			**16 041**				1	1190


Type: 16 0177

32	3	16 124	**16 104**					1	1320
32	4		16 875	**16 0178**	16 0179			1	1340
32	5			**16 0177**				1	1350


Type: 16 602

63	3	16 125	**16 606**					1	2900
63	4		16 934	**16 604**	16 828			1	2960
63	5			**16 602**	16 0290			1	3100

Products 63A with PILOT contact use indicated part.-no. and add index „P".

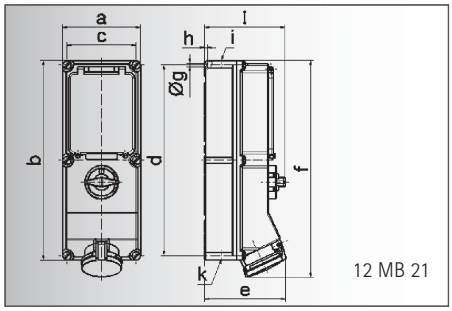

Type: 16 622

125	3		**16 620**					2	5740
125	4		16 930	**16 621**	16 831			2	5800
125	5			**16 622**				2	5900

Products 63A with PILOT contact use indicated part.-no. and add index „P".

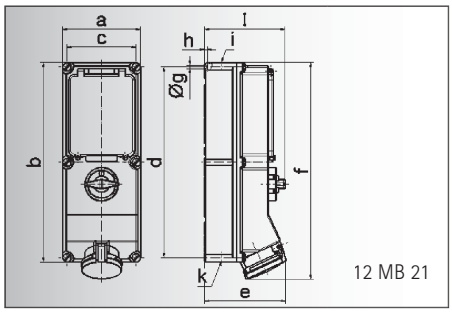
SURFACE MOUNTING SOCKET OUTLETS, Switched, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44
transparent operating window and insert made of high-quality plastic



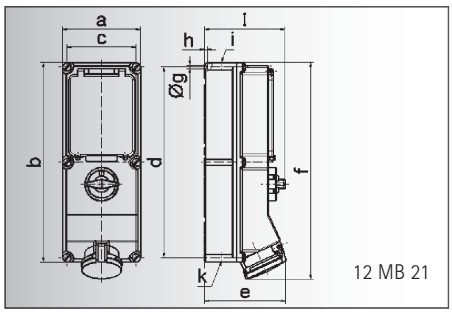
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	135,0	141,0	146,0	152,0	184,0	184,0
f	382,0	382,0	391,0	391,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with DIN rail
- 6 modules at 16A and 32A, 8 modules at 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



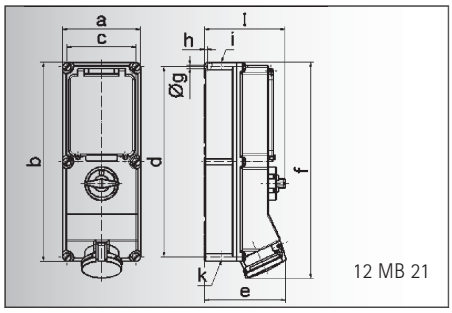
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	135,0	141,0	146,0	152,0	184,0	184,0
f	382,0	382,0	391,0	391,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with fuse base
  D 01 at 16A
  D 02 at 32A and 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



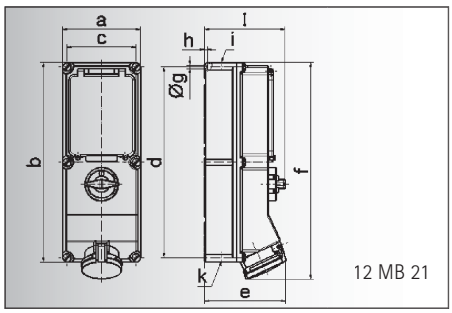
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	135,0	141,0	146,0	152,0	184,0	184,0
f	382,0	382,0	391,0	391,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with fuse base
  D II at 16A
  D III at 32A and 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	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	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- fused with C-type MCB 3 pole
- 63A with box terminal and Kontex-Plus
- protection degree IP 44

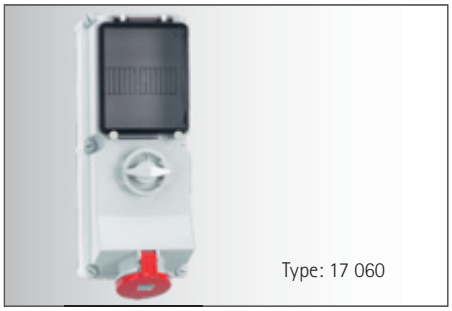


Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	135,0	141,0	146,0	152,0	184,0	184,0
f	382,0	382,0	391,0	391,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- fused with C-type MCB and RCD 25/0,03A at 16A, fused with C-type MCB and RCD 40/0,03A at 32A, with D 02 and RCD 63/0,03A at 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 44

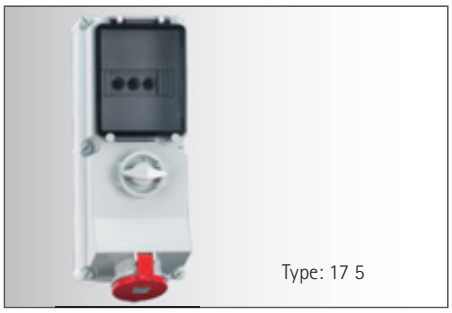
For further information please see Bals.com · Other voltages and frequencies are available on request.

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	Ampere	110V 50-60 Hz 3pol 4h	4pol 4h	5pol 4h	230V 50-60 Hz 3pol 6h	4pol 9h	5pol 9h	400V 50-60 Hz 3pol 9h	4pol 6h	5pol 6h	500V 50-60 Hz 3pol 7h	4pol 7h	5pol 7h	100-300Hz > 50V 3pol 10h	4pol 10h	5pol 10h	301-500Hz > 50V 3pol 2h	4pol 2h	5pol 2h	Qty	g each
			16				17 275			**17 055**			17 337									1	1960
			16							**17 056**												1	2000
			32				17 276			**17 057**			17 338									1	2100
			32							**17 058**												1	2110
			63				17 277			**17 059**			17 339									2	4300
			63							**17 060**			17 847									2	4500


Type: 17 060

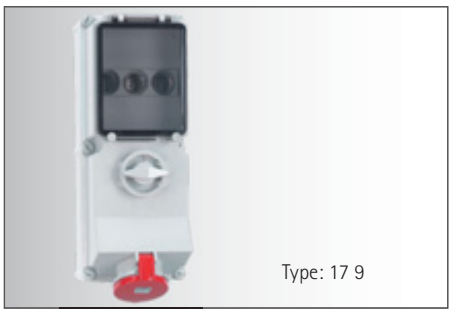
Products 63A with PILOT contact use indicated part.-no. and add index „P".

			16				17 027			**17 75**												1	2200
			16							**17 76**												1	2240
			32				17 028			**17 77**												1	2400
			32							**17 78**												1	2410
			63				17 6			**17 4**												2	4700
			63				17 7			**17 5**												2	4800


Type: 17 5

Products 63A with PILOT contact use indicated part.-no. and add index „P".

			16				17 032			**17 83**			17 233									1	2370
			16							**17 84**												1	2400
			32				17 033			**17 85**			17 234									1	2720
			32							**17 86**												1	2730
			63				17 34			**17 8**			17 36									2	5000
			63				17 35			**17 9**												2	5150


Type: 17 9

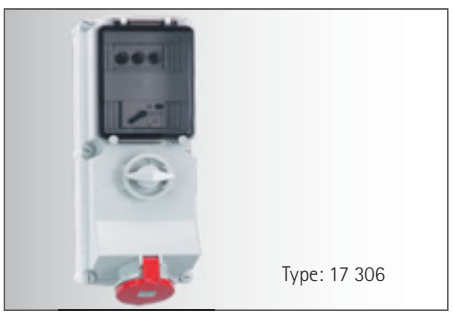
Products 63A with PILOT contact use indicated part.-no. and add index „P".

			16				17 280			**17 281**												1	2350
			16							**17 282**												1	2400
			32				17 283			**17 284**												1	2500
			32							**17 285**												1	2520
			63				17 286			**17 287**												2	4700
			63							**17 288**												2	5000


Type: 17 288

Products 63A with PILOT contact use indicated part.-no. and add index „P".

			16				17 298			**17 299**												1	2650
			16							**17 300**												1	2660
			32				17 301			**17 302**												1	2830
			32							**17 303**												1	2850
			63				17 304			**17 305**												2	5050
			63							**17 306**												2	5250

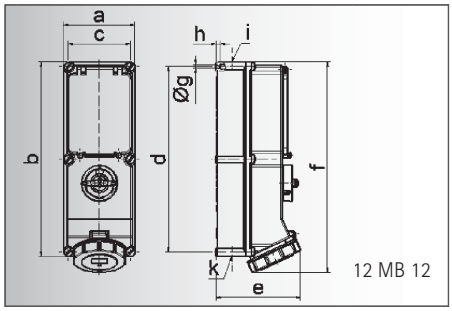

Type: 17 306

Products 63A with PILOT contact use indicated part.-no. and add index „P".

5

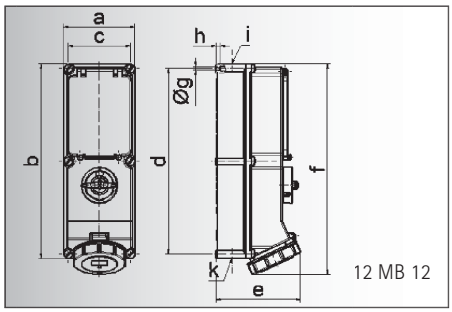
SURFACE MOUNTING SOCKET OUTLETS, Switched, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67
operating window and socket insert made of high grade plastic



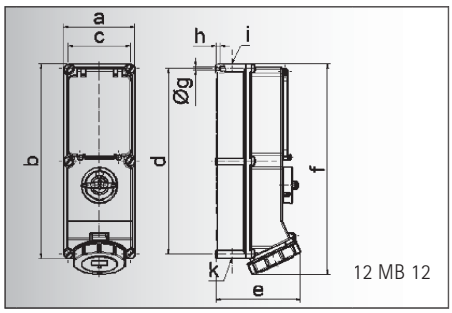
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	136,0	143,0	152,0	158,0	191,0	191,0
f	389,0	389,0	399,0	399,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with DIN rail
- 6 modules at 16A and 32A, 8 modules at 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



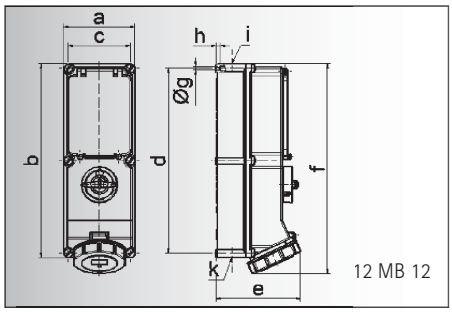
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	136,0	143,0	152,0	158,0	191,0	191,0
f	389,0	389,0	399,0	399,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l						

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with fuse base
  D 01 at 16A
  D 02 at 32A and 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



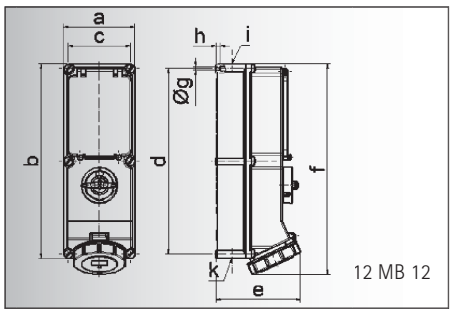
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	136,0	143,0	152,0	158,0	191,0	191,0
f	389,0	389,0	399,0	399,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with fuse base
  D II at 16A
  D III at 32A and 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	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	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- fused with C-type MCB C 3pole
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	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	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- fused with C-type MCB C and RCD 25/0,03A at 16A, with C-type MCB and RCD 40/0,03A at 32A, with D 02 and RCD 63/0,03A at 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.


Type: 17 066

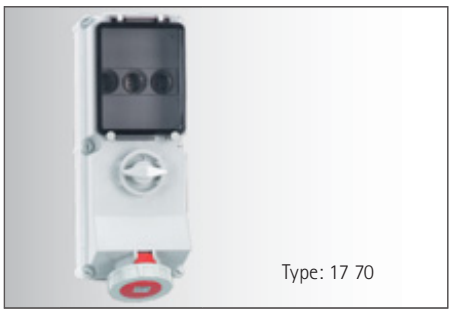
Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
Ampere	Poles	3pol 4pol 5pol 4h 4h 4h	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	3pol 4pol 5pol 10h 10h 10h	3pol 4pol 5pol 2h 2h 2h	Qty	g each
16	4		17 278	**17 061**	17 340			1	2000
16	5			**17 062**				1	2030
32	4		17 162	**17 063**	17 341			1	2150
32	5			**17 064**				1	2170
63	4		17 279	**17 065**	17 342			2	4450
63	5			**17 066**				2	4600

Products 63A with PILOT contact use indicated part.-no. and add index „P".


Type: 17 92

16	4		17 029	**17 79**				1	2230
16	5			**17 80**				1	2270
32	4		17 030	**17 81**				1	2450
32	5			**17 82**				1	2470
63	4		17 031	**17 91**				2	4750
63	5			**17 92**				2	4900

Products 63A with PILOT contact use indicated part.-no. and add index „P".


Type: 17 70

16	4		17 034	**17 87**	17 334			1	2390
16	5			**17 88**				1	2400
32	4		17 035	**17 89**	17 238			1	2770
32	5			**17 90**				1	2790
63	4		17 036	**17 71**	17 73			2	5100
63	5			**17 70**				2	5200

Products 63A with PILOT contact use indicated part.-no. and add index „P".


Type: 17 297

16	4		17 289	**17 290**				1	2400
16	5			**17 291**				1	2450
32	4		17 292	**17 293**				1	2550
32	5			**17 294**				1	2570
63	4		17 295	**17 296**				2	5000
63	5			**17 297**				2	5100

Products 63A with PILOT contact use indicated part.-no. and add index „P".

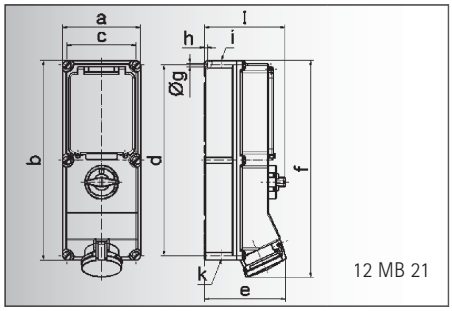

Type: 17 315

16	4		17 307	**17 308**				1	2670
16	5			**17 309**				1	2680
32	4		17 310	**17 311**				1	2900
32	5			**17 312**				1	2920
63	4		17 313	**17 314**				2	5200
63	5			**17 315**				2	5350

Products 63A with PILOT contact use indicated part.-no. and add index „P".

SURFACE MOUNTING SOCKET OUTLETS, Switched, Fused

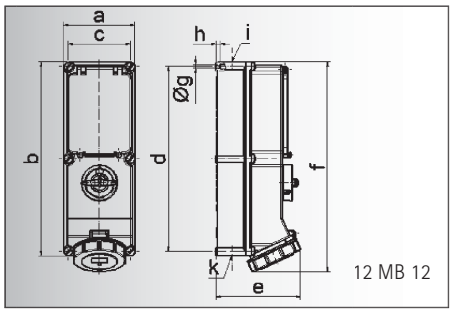
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67
transparent operating window and insert made of high-quality plastic



12 MB 21

Ampere	63	63
Poles	4	5
a	180,0	180,0
b	460,0	460,0
c	160,0	160,0
d	440,0	440,0
e	184,0	184,0
f	500,0	500,0
g ø	8,3	8,3
h	6,5	6,5
i	M 40	M 40
k	M 32/40	M 32/40
l	189,0	189,0

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with fuse disconnector NH 00
- box terminal
- Kontex-Plus
- protection degree IP 44



12 MB 12

Ampere	63	63
Poles	4	5
a	180,0	180,0
b	460,0	460,0
c	160,0	160,0
d	440,0	440,0
e	191,0	191,0
f	500,0	500,0
g ø	8,3	8,3
h	6,5	6,5
i	M 40	M 40
k	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- in 0-position lockable
- with fuse disconnector NH 00
- box terminal
- Kontex-Plus
- protection degree IP 67


Type: 17 94

Poles		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
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
63	4		17 037	**17 93**	17 335			2	5150
63	5			**17 94**				2	5350
With PILOT contact use indicated part.-no. and add index „P".									

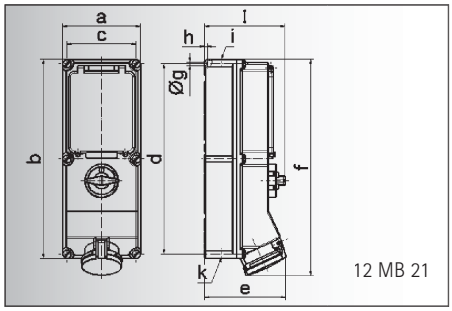

Type: 17 96

63	4		17 038	**17 95**	17 336			2	5300
63	5			**17 96**				2	5450
With PILOT contact use indicated part.-no. and add index „P".									

5

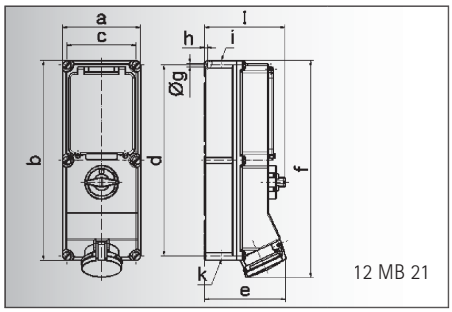
SURFACE MOUNTING SOCKET OUTLETS, Switched, Interlocked, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44
transparent operating window and insert made of high-quality plastic



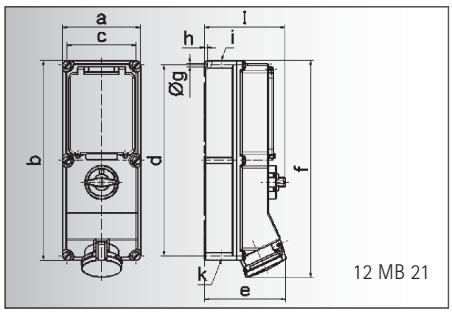
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	135,0	141,0	146,0	152,0	184,0	184,0
f	382,0	382,0	391,0	391,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- with DIN rail
- 6 modules at 16A and 32A, 8 modules at 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



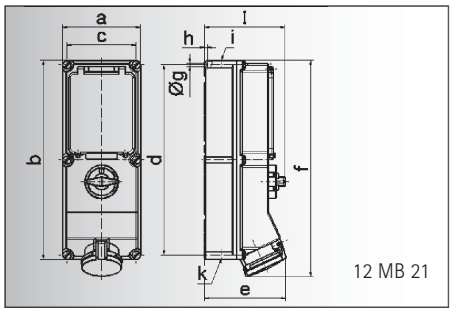
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	135,0	141,0	146,0	152,0	184,0	184,0
f	382,0	382,0	391,0	391,0	500,0	500,06,5
g ø	6,5	6,5	6,5	8,3	8,3	
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- with fuse base
  D 01 at 16A
  D 02 at 32A and 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



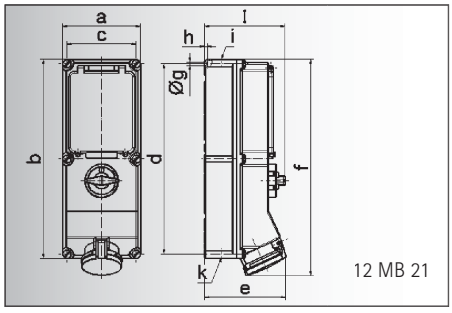
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	135,0	141,0	146,0	152,0	184,0	184,0
f	382,0	382,0	391,0	391,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- with fuse base
  D II at 16A
  D III at 32A and 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	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	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- fused with C-type MCB C 3pole
- 63A with box terminal and Kontex-Plus
- protection degree IP 44



Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	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	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40
l	156,0	156,0	156,0	156,0	189,0	189,0

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- fused with C-type MCB and RCD 25/0,03A at 16A, with C-type MCB and RCD 40/0,03A at 32A, with D 02 and RCD 63/0,03A at 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	Ampere	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
			16				17 165			**17 164**			17 166									1	2000
			16							**17 163**												1	2010
			32				17 167			**17 168**			17 169									1	2150
			32							**17 170**												1	2160
			63				17 521			**17 522**			17 523									2	4500
			63							**17 524**												2	4650


Type: 17 524

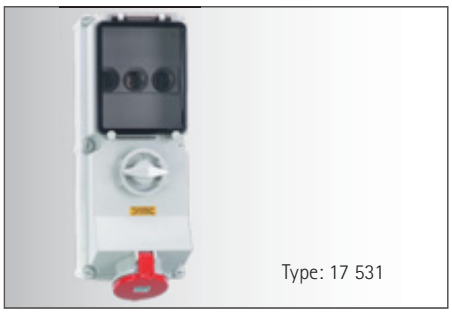
Products 63A with PILOT contact use indicated part.-no. and add index „P".

			16				17 039			**17 97**												1	2240
			16							**17 98**												1	2250
			32				17 040			**17 99**												1	2450
			32							**17 000**												1	2460
			63				17 525			**17 526**												2	4800
			63							**17 527**												2	4900


Type: 17 527

Products 63A with PILOT contact use indicated part.-no. and add index „P".

			16				17 044			**17 007**			17 019									1	2400
			16							**17 008**												1	2410
			32				17 045			**17 009**			17 020									1	2770
			32							**17 010**												1	2780
			63				17 528			**17 529**			17 530									2	5100
			63							**17 531**												2	5250


Type: 17 531

Products 63A with PILOT contact use indicated part.-no. and add index „P".

			16				17 316			**17 186**												1	2380
			16							**17 187**												1	2390
			32				17 317			**17 188**												1	2520
			32							**17 189**												1	2530
			63				17 532			**17 533**												2	5000
			63							**17 534**												2	5100


Type: 17 534

Products 63A with PILOT contact use indicated part.-no. and add index „P".

			16				17 322			**17 323**												1	2690
			16							**17 343**												1	2700
			32				17 324			**17 325**												1	2880
			32							**17 344**												1	2900
			63				17 535			**17 536**												2	5200
			63							**17 537**												2	5350

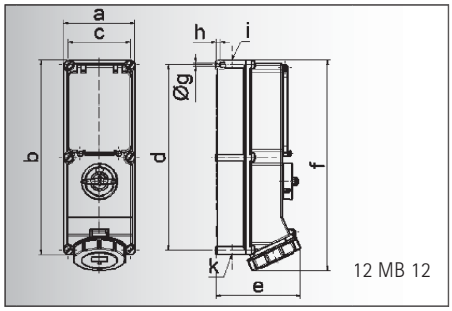

Type: 17 537

Products 63A with PILOT contact use indicated part.-no. and add index „P".

5

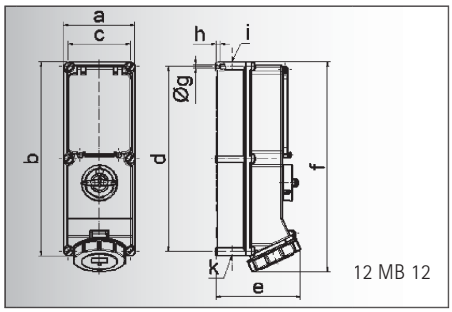
SURFACE MOUNTING SOCKET OUTLETS, Switched, Interlocked, Fused

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67
transparent operating window and insert made of high-quality plastic



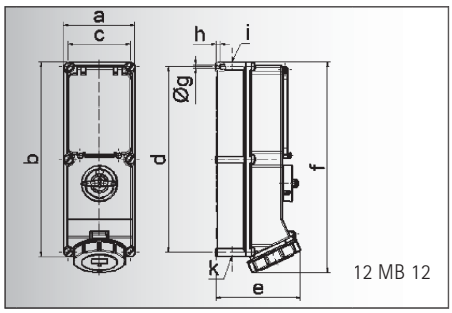
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	136,0	143,0	152,0	158,0	191,0	191,0
f	389,0	389,0	399,0	399,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- with DIN rail
- 6 modules at 16A and 32A, 8 modules at 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



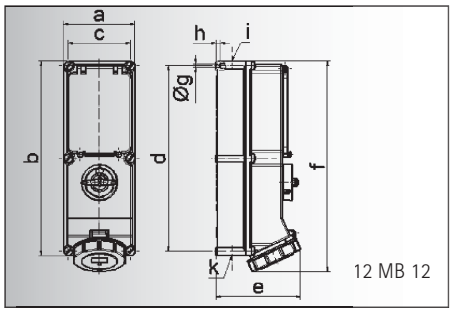
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	136,0	143,0	152,0	158,0	191,0	191,0
f	389,0	389,0	399,0	399,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- with fuse base
  D 01 at 16A
  D 02 at 32A and 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



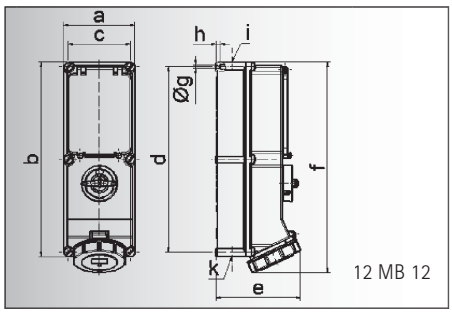
Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	5
a	134,0	134,0	134,0	134,0	180,0	180,0
b	365,0	365,0	365,0	365,0	460,0	460,0
c	117,0	117,0	117,0	117,0	160,0	160,0
d	348,0	348,0	348,0	348,0	440,0	440,0
e	136,0	143,0	152,0	158,0	191,0	191,0
f	389,0	389,0	399,0	399,0	500,0	500,0
g ø	6,5	6,5	6,5	6,5	8,3	8,3
h	8,0	8,0	8,0	8,0	6,5	6,5
i	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- with fuse base
  D II at 16A
  D III at 32A and 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	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	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- fused with C-type MCB 3pole
- 63A with box terminal and Kontex-Plus
- protection degree IP 67



Ampere	16	16	32	32	63	63
Poles	4	5	4	5	4	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	M 25/32	M 25/32	M 32/40	M 32/40	M 40	M 40
k	M 25/32	M 25/32	M 32/40	M 32/40	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- fused with C-type MCB and RCD 25/0,03A at 16A, with C-type MCB and RCD 40/0,03A at 32A, with D 02 and RCD 63/0,03A at 63A
- 63A with box terminal and Kontex-Plus
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	100-300Hz > 50V	301-500Hz > 50V		
2P+E 3	3P+E 4	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		each
16	4		17 175	**17 176**	17 177			1	2020
16	5			**17 178**				1	2030
32	4		17 179	**17 180**	17 181			1	2200
32	5			**17 182**				1	2220
63	4		17 538	**17 539**	17 540			2	4600
63	5			**17 541**				2	4700


Type: 17 541

Products 63A with PILOT contact use indicated part.-no. and add index „P".

16	4		17 041	**17 001**				1	2260
16	5			**17 002**				1	2300
32	4		17 042	**17 003**				1	2500
32	5			**17 004**				1	2520
63	4		17 542	**17 543**				2	4850
63	5			**17 544**				2	5000


Type: 17 544

Products 63A with PILOT contact use indicated part.-no. and add index „P".

16	4		17 046	**17 011**	17 021			1	2420
16	5			**17 012**				1	2430
32	4		17 047	**17 013**	17 022			1	2820
32	5			**17 014**				1	2840
63	4		17 545	**17 546**	17 547			2	5150
63	5			**17 548**				2	5300


Type: 17 548

Products 63A with PILOT contact use indicated part.-no. and add index „P".

16	4		17 319	**17 192**				1	2400
16	5			**17 193**				1	2410
32	4		17 320	**17 194**				1	2580
32	5			**17 195**				1	2600
63	4		17 549	**17 550**				2	5050
63	5			**17 551**				2	5200


Type: 17 551

Products 63A with PILOT contact use indicated part.-no. and add index „P".

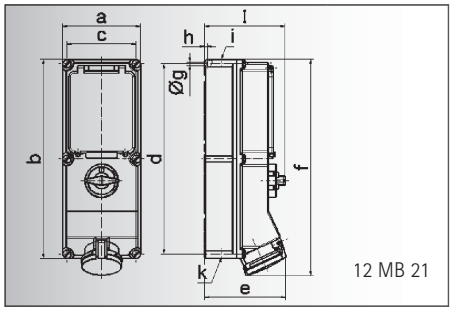
16	4		17 328	**17 329**				1	2720
16	5			**17 345**				1	2730
32	4		17 330	**17 331**				1	2950
32	5			**17 346**				1	2970
63	4		17 552	**17 553**				2	5250
63	5			**17 554**				2	5400


Type: 17 554

Products 63A with PILOT contact use indicated part.-no. and add index „P".

SURFACE MOUNTING SOCKET OUTLETS, Switched, Interlocked, Fused

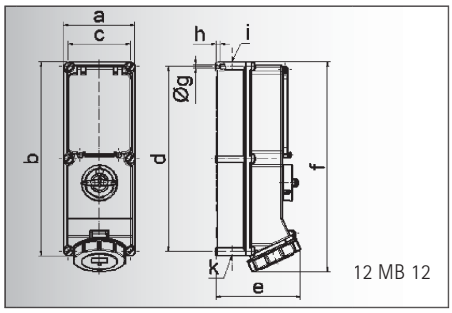
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67
transparent operating window and insert made of high-quality plastic



12 MB 21

Ampere	63	63
Poles	4	5
a	180,0	180,0
b	460,0	460,0
c	160,0	160,0
d	440,0	440,0
e	184,0	184,0
f	500,0	500,0
g ø	8,3	8,3
h	6,5	6,5
i	M 40	M 40
k	M 32/40	M 32/40
l	189,0	189,0

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- with fuse disconnector NH 00
- box terminal
- Kontex-Plus
- protection degree IP 44



12 MB 12

Ampere	63	63
Poles	4	5
a	180,0	180,0
b	460,0	460,0
c	160,0	160,0
d	440,0	440,0
e	191,0	191,0
f	500,0	500,0
g ø	8,3	8,3
h	6,5	6,5
i	M 40	M 40
k	M 32/40	M 32/40

Surface Mounting Socket Outlet
- switched
- interlocked
- in 0-position lockable
- with fuse disconnector NH 00
- box terminal
- Kontex-Plus
- protection degree IP 67


Type: 17 558

Poles	Ampere	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		
		4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
4	63		17 555	**17 556**	17 557			1	5300
5	63			**17 558**				1	5450
With PILOT contact use indicated part.-no. and add index „P".									


Type: 17 562

Poles	Ampere	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		
		4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h		
4	63		17 559	**17 560**	17 561			1	5400
5	63			**17 562**				1	5500
With PILOT contact use indicated part.-no. and add index „P".									



PLUGS AND SOCKETS, SCHUKO-TYPE

PLUGS AND SOCKETS, SCHUKO TYPE

splashproof and water pressure protection
Panel Mounting Socket Outlets, Surface Mounting Socket Outlets, Plugs, Connectors, Three-Way Connectors, Multi Socket Outlets, Extension Cables

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IP degree 68
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Appliance Inlets with Flange
IP degree 68
Page 119



Connectors
IP degree 68
Page 120



Three-Way Connectors
Page 120



Multi Socket Outlets
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Extension Cables
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Preferred scopes



Construction Industry

Camping site



Industry



Building Services



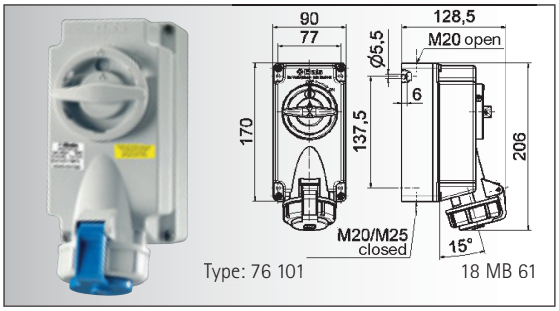
Farming

Harbour and Shipbuilding

SOCKET OUTLETS SCHUKO TYPE

16 A/ 250 V ~
VDE 0620 and Ex-Zone 22

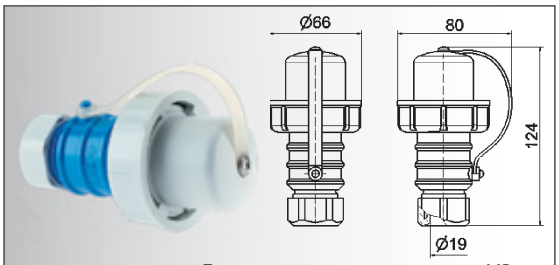
Colour	Cat. No.	Qty



Type: 76 101 — 18 MB 61

Surface Mounting Socket Outlet Schuko Type
- switched and interlocked
- according to the EC-directive 94/9/EG for explosive areas
- with EC-type examination certificate
- Ex -Zone 22
- protection degree IP 67

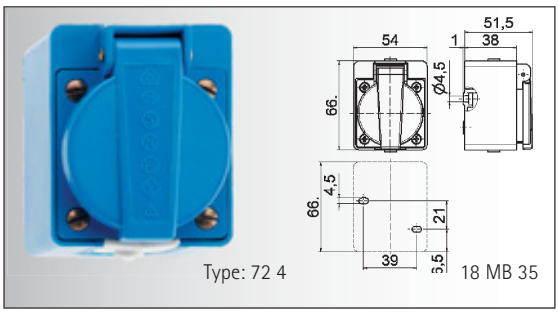
Colour	Cat. No.	Qty
blue	76 101	1



Type: 73 62 — 18 MB 18

Plug Schuko Type
- with closure cap
- according to the EC-directive 94/9/EG for explosive areas
- with EC-type examination certificate
- Ex -Zone 22
- protection degree IP 67

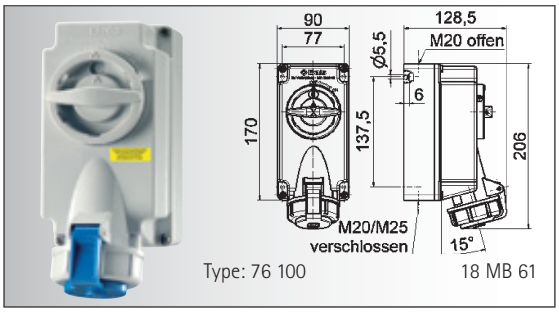
Colour	Cat. No.	Qty
blue	73 62	1



Type: 72 4 — 18 MB 35

Surface Mounting Socket Outlet Schuko Type
- protection degree IP 44

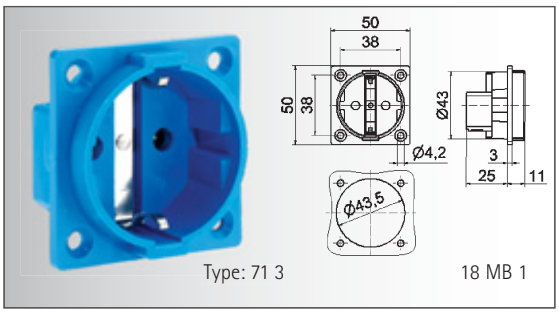
Colour	Cat. No.	Qty
blue	72 4	20
grey	72 5	20
black	72 6	20



Type: 76 100 — 18 MB 61

Surface Mounting Socket Outlet Schuko Type
- switched and electrical interlocking
- protection degree IP 67

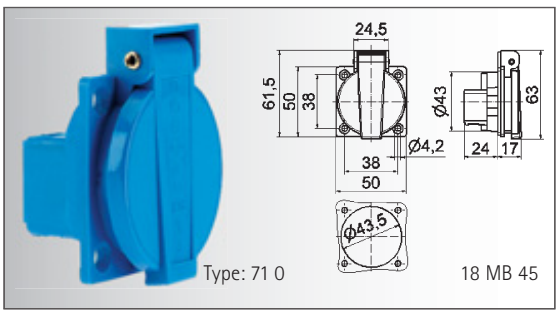
Colour	Cat. No.	Qty
	76 100	1



Type: 71 3 — 18 MB 1

Panel Mounting Socket Outlet Schuko Type
- without hinged lid
- protection degree IP 20

Colour	rear connect.	side connect.	Qty
blue	71 3	71 6	20
grey	71 2	71 5	20
black	71 4	71 7	20



Type: 71 0 — 18 MB 45

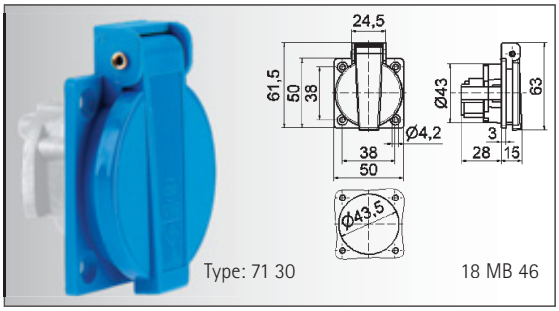
Panel Mounting Socket Outlet Schuko Type
- with hinged lid
- protection degree IP 44

Colour	rear connect.	side connect.	Qty
blue	71 0	71 1	20
grey	71 8	71 00	20
black	71 9	71 01	20

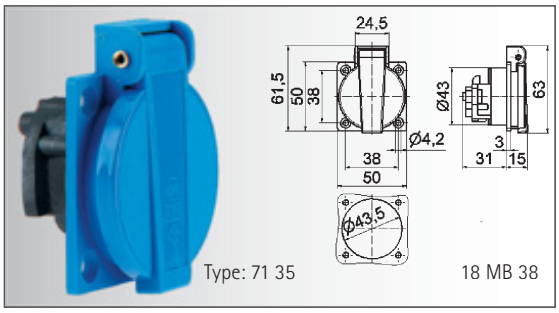
For further information please see Bals.com · Other voltages and frequencies are available on request.

PANEL MOUNTING SOCKET OUTLETS SCHUKO TYPE

16 A/ 250 V ~
VDE 0620



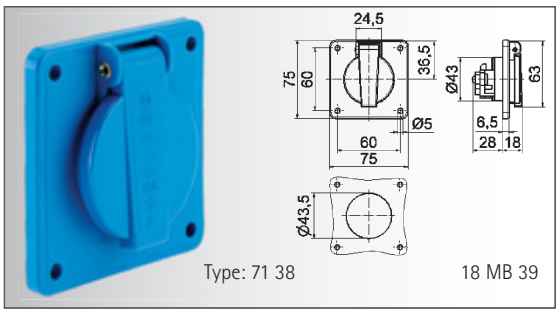
	Colour	Cat. No. rear connection	Cat. No. side connection	Qty
Panel Mounting Socket Outlet Schuko Type • terminals according BGV A2 • contact carrier Polyamide 6 • protection degree IP 44	blue	71 30	71 29	20
	grey	71 32	71 31	20
	black	71 34	71 33	20



Panel Mounting Socket Outlet Schuko Type
• high temperature resistant contact carrier
• terminals according BGV A2
• protection degree IP 44

May be fitted with auxiliary contact see page 207.

German system	blue	71 35	20
	grey	71 36	20
	black	71 37	20
Belgian/French system	blue	71 39	20
	grey	71 42	20



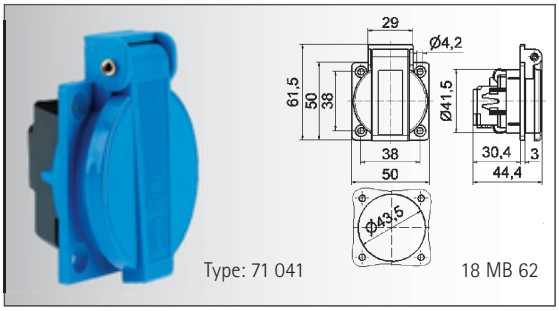
Panel Mounting socket Outlet Schuko Type
• high temperature resistant contact carrier
• terminals according BGV A2
• protection degree IP 44

German system	blue	71 38	20
Belgian/French system	blue	71 40	20

6

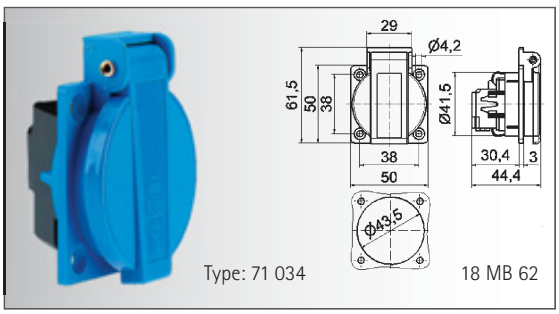
PANEL MOUNTING SOCKET OUTLETS SCHUKO TYPE SCREWLESS WITH TWIN TERMINAL

16 A/ 250 V ~
protection degree IP 54



Panel Mounting Socket Outlet Schuko Type
• screwless twin-terminal
• protection degree IP 54

	blue	71 041	20
	grey	71 049	20
	black	71 047	20



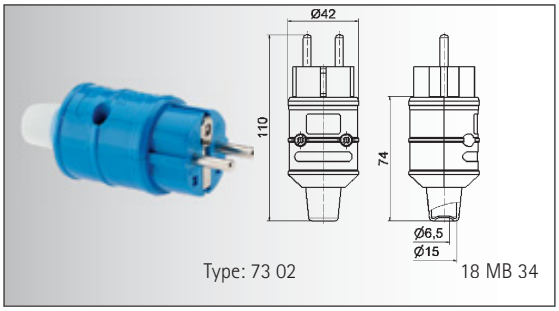
Panel Mounting Socket Outlet Schuko Type
• screwless twin-terminal
• with shutter for child protection
• protection degree IP 54

	blue	71 034	20
	grey	71 052	20
German system	black	71 050	20
Belgian/French system	blue	71 042	20
	grey	71 055	20
	black	71 053	20

PLUGS AND CONNECTORS SCHUKO TYPE

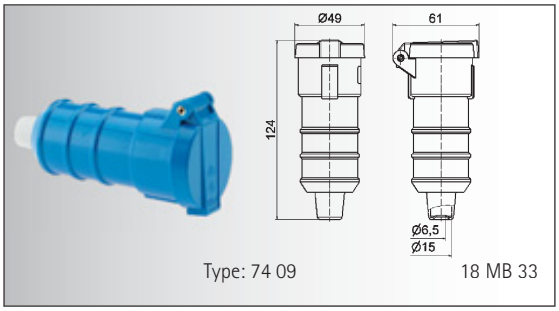
16 A/ 250 V ~
VDE 0620
protection degree IP 44 and IP 54

	Colour	Cat. No.	Qty
Plug Schuko Type • with cable sleeve • nickel plated contacts • suitable for Belgian/French system • protection degree IP 44	blue	73 02	20
	grey	73 03	20
	black	73 06	20



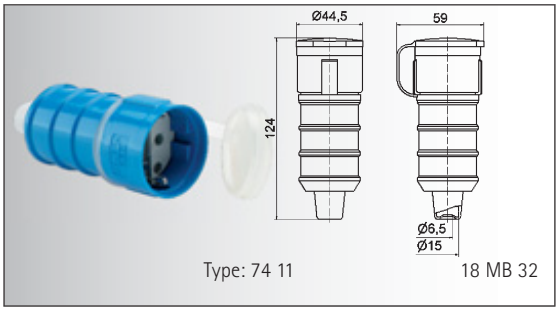
Type: 73 02 18 MB 34

Connector Schuko Type • with self closing hinged lid and cable sleeve • protection degree IP 54	blue	74 09	20
	grey	74 10	20
	black	74 28	20



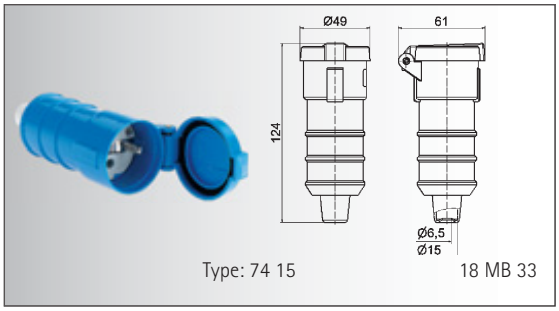
Type: 74 09 18 MB 33

Connector Schuko Type • with lid on string and cable sleeve • protection degree IP 54	blue	74 11	20
	grey	74 12	20
	black	74 31	20



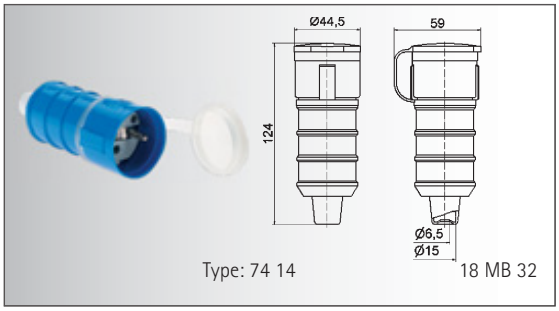
Type: 74 11 18 MB 32

Connector Schuko Type • for **Belgian/French system** • with self closing hinged lid and cable sleeve • protection degree IP 54	blue	74 15	20



Type: 74 15 18 MB 33

Connector Schuko Type • for **Belgian/French system** • with lid on string and cable sleeve • protection degree IP 54	blue	74 14	20
	grey	74 29	20
	black	74 30	20



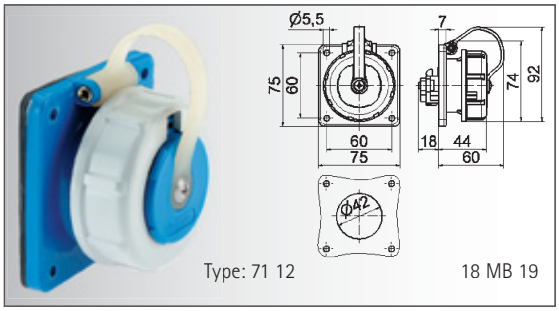
Type: 74 14 18 MB 32

For further information please see Bals.com · Other voltages and frequencies are available on request.

PANEL MOUNTING SOCKET OUTLETS, PLUGS AND APPLIANCE INLETS SCHUKO TYPE WITH FLANGE

16 A/ 250 V ~
VDE 0620, protection degree IP 68

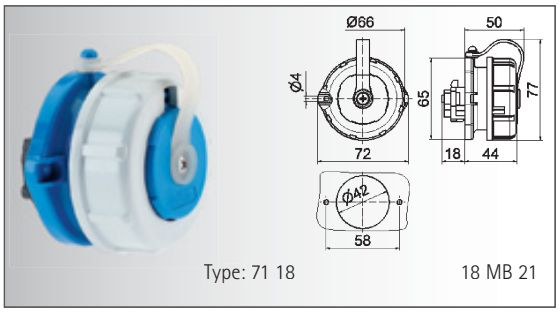
Colour	Cat. No.	Qty



Type: 71 12 — 18 MB 19

Panel Mounting Socket Outlet Schuko Type
- protection degree IP 68

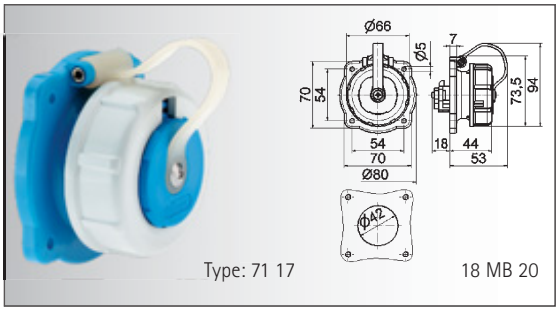
German system	blue	71 12	10
	grey	71 19	10
Belgian/French system	blue	71 53	10
	grey	71 028	10



Type: 71 18 — 18 MB 21

Panel Mounting Socket Outlet Schuko Type
- protection degree IP 68

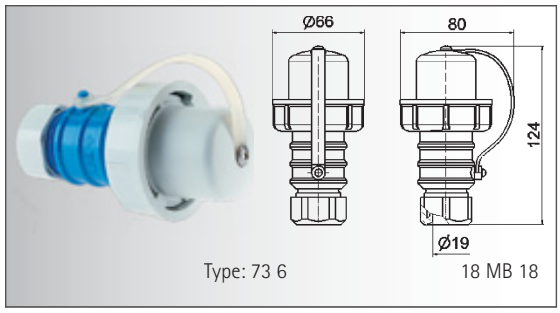
German system	blue	71 18	10
	grey	71 20	10
Belgian/French system	blue	71 029	10
	grey	71 030	10



Type: 71 17 — 18 MB 20

Panel Mounting Socket Outlet Schuko Type
- protection degree IP 68

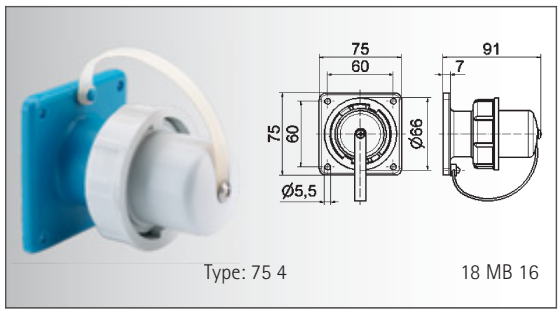
	blue	71 17	10
	grey	71 21	10



Type: 73 6 — 18 MB 18

Plug Schuko Type
- with closure cap
- protection degree IP 68

	blue	73 6	10
	grey	73 7	10



Type: 75 4 — 18 MB 16

Appliance Inlet with Flange Schuko Type
- with closure cap
- protection degree IP 68

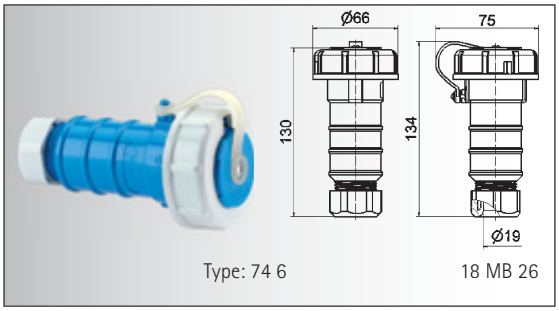
	blue	75 4	10
	grey	75 5	10

6

CONNECTORS AND MULTIPLE SOCKET OUTLETS SCHUKO TYPE

16 A/ 250 V~, VDE 0620
protection degree IP 44, IP 67, IP 68

Colour	Cat. No.	Qty

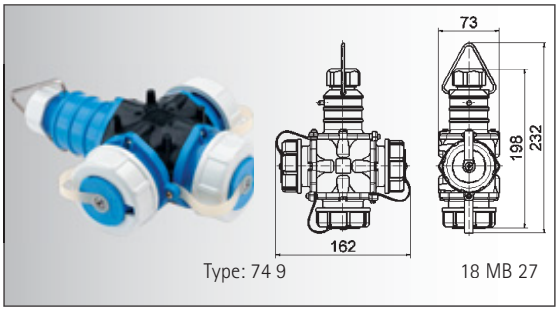


Type: 74 6 — 18 MB 26

Connector Schuko Type

German system	blue	74 6	10
	grey	74 7	10
Belgian/French system	blue	74 16	10
	grey	74 55	10

- protection degree IP 68

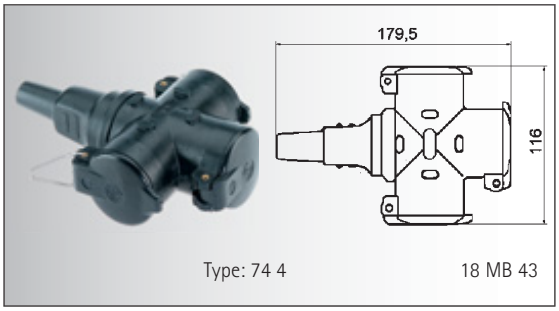


Type: 74 9 — 18 MB 27

Three-Way Connector Schuko Type

German system	blue	74 9	1
Belgian/French system	blue	74 32	1

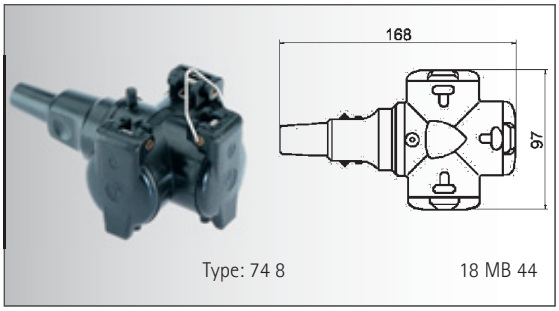
- with protective cover and suspension clip
- protection degree IP 67



Type: 74 4 — 18 MB 43

Three-Way Connector Schuko Type — black — 74 4 — 1

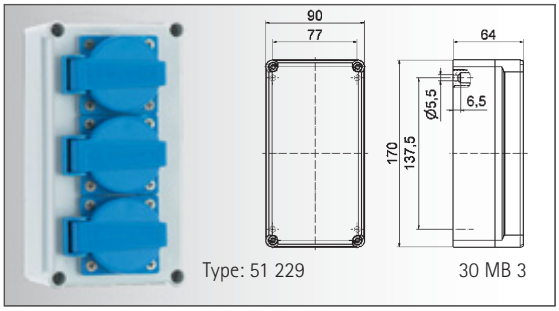
- (butyl-rubber)
- 3 hinged lid, sleeve, suspension clip
- according to 620 s./7.80 § 25
- protection degree IP 44



Type: 74 8 — 18 MB 44

Three-way connector Schuko Type — black — 74 8 — 1

- (butyl-rubber)
- self closing hinged lid, sleeve, suspension clip
- protection degree IP 20



Type: 51 229 — 30 MB 3

Multiple Socket Outletl Schuko Type — 51 229 — 1

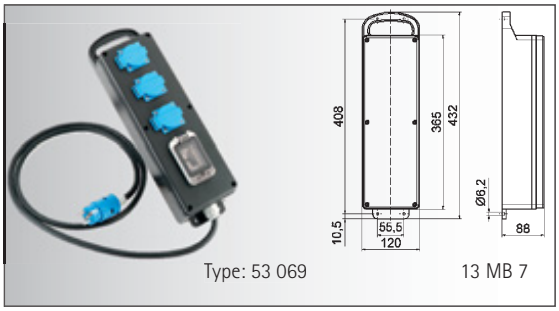
- with three socket-outlet schuko type
- cable entry:
  1xM20 on top (open)
  1xM20 and M 25 at bottom (closed)
- protection degree IP 20

For further information please see Bals.com · Other voltages and frequencies are available on request.

MULTI SOCKET OUTLETS SCHUKO TYPE, EXTENSION CABLES

16 A/ 250 V ~
VDE 0620, protection degree IP 44 and IP 67, IP 68

Cat. No.



Type: 53 069 13 MB 7

Distributor Schuko Type input: **plug schuko type** with 1,8 m H07RN-F3G2,5 mm outlet: 3 x **socket-outlet schuko type** with RCD 25/0,03 A/ 2pol. • protection degree IP 44 Other equipments on request.			53 069


Type: 81 56

Extension Cable equipped with plug schuko type and connector • protection degree IP 44	H07RN-F3G1,5	10 m length	81 89
	H07RN-F3G2,5	10 m length	81 56
	H07RN-F3G1,5	15 m length	81 90
	H07RN-F3G2,5	15 m length	81 58
	H07RN-F3G1,5	20 m length	81 91
	H07RN-F3G2,5	20 m length	81 92


Type: 81 82

Extension Cable equipped with plug schuko type and three-way connector • protection degree IP 44	H07RN-F3G1,5	10 m length	81 93
	H07RN-F3G2,5	10 m length	81 82
	H07RN-F3G1,5	15 m length	81 94
	H07RN-F3G2,5	15 m length	81 95
	H07RN-F3G1,5	20 m length	81 96
	H07RN-F3G2,5	20 m length	81 97


Type: 81 99

Extension Cable plug schuko type and connector • protection degree IP 68	H07RN-F3G1,5	10 m length	81 98
	H07RN-F3G2,5	10 m length	81 99
	H07RN-F3G1,5	15 m length	81 000
	H07RN-F3G2,5	15 m length	81 001
	H07RN-F3G1,5	20 m length	81 002
	H07RN-F3G2,5	20 m length	81 003


Type: 81 004

Extension Cable plug schuko type and three-way connector • protection degree IP 67	H07RN-F3G1,5	10 m length	81 004
	H07RN-F3G2,5	10 m length	81 005
	H07RN-F3G1,5	15 m length	81 006
	H07RN-F3G2,5	15 m length	81 007
	H07RN-F3G1,5	20 m length	81 008
	H07RN-F3G2,5	20 m length	81 009

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COMBINATIONS

COMBINATIONS

Surface Mounting Socket Outlet Combinations, Portable Distribution,
Distributor Units suspendible, Uni-Block-Distribution,
Steel Bollards, Distribution Panels, Stainless Steel Distribution

TABLE OF CONTENTS

Surface Mounting Socket Outlet Combinations
Page 124-129



Portable Distribution Units out of rubber or plastic
Page 130 - 139



Distributor Units suspendible
Page 140 - 143



Uni-Block-Distr., Cross-Distr., Multiblocks, Energy Distribution
Page 144 - 149



Steel Bollards
Page 150, 151



Preferred scopes



Construction Industry



Camping site



Industry



Building Services



Farming



Harbour and Shipbuilding

SOCKET OUTLET COMBINATIONS, MADE OF HIGH GRADE PLASTIC

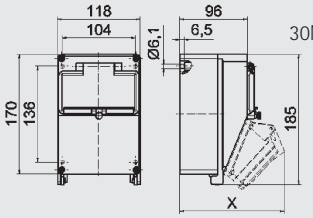
ready wired for installation, protection degree IP 44
housing made of high grade plastic

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



dimension
170 x 118 mm

Max. 5 modules can be fixed in each operation window.



30MB174



Position **01**

dimension
170 x 118 mm
with operating window and hinged cover

x = 141 mm max. depth with equipment

reference:
51 510

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
1	**1** x 16A, 400V, 5p	**1** x MCB C charac. 16A, 1p	**1** x M32 top (open) **1** x M32 bottom (closed)



Position **02**

dimension
170 x 118 mm
with operating window and hinged cover

x = 149 mm max. depth with equipment

reference:
51 406

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
1	**1** x 32A, 400V, 5p	**1** x MCB C charac. 16A, 1p	**1** x M32 top (open) **1** x M32 top (closed) **2** x M32 bottom (closed)



Position **03**

dimension
170 x 118 mm
with operating window and hinged cover

x = 107 mm max. depth with equipment

reference:
51 446

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2		**1** x RCD 25/0,03A, 2p	**1** x M25 top (open) **1** x M25 bottom (closed)



Position **04**

dimension
170 x 118 mm
with operating window and hinged cover

x = 141 mm max. depth with equipment

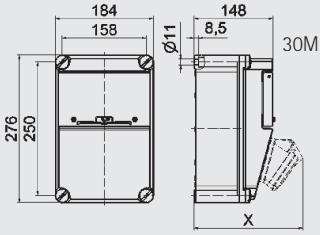
reference:
510 413

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p		**1** x M25 top (open) **1** x M25 top (closed) **2** x M25 bottom (closed)



dimension
276 x 184 mm

Max. 9 modules can be fixed in each operation window.



30MB175



Position **05**

dimension
276 x 184 mm
with operating window and hinged cover

x = 196 mm max. depth with equipment

reference:
519 923

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p **2** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)

Other configurations are available on request.

Bals ELEKTROTECHNIK

SOCKET OUTLET COMBINATIONS, MADE OF HIGH GRADE PLASTIC

ready wired for installation, protection degree IP 44
housing made of high grade plastic

		Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry
 Position **06**	dimension 276 x 184 mm with operating window and hinged cover x = 196 mm max. depth with equipment reference: **519 927**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 16A, 400V, 5p	fuse protection **2** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p	cable entry **1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)
 Position **07**	dimension 276 x 184 mm with operating window and hinged cover x = 196 mm max. depth with equipment reference: **519 980**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 16A, 400V, 5p	fuse protection **1** x Neozed D01, 1p **1** x Neozed D01, 3p	cable entry **1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)
 Position **08**	dimension 276 x 184 mm with operating window and hinged cover x = 204 mm max. depth with equipment reference: **519 949**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 32A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **2** x MCB C charac. 16A, 1p **1** x MCB C charac. 32A, 3p	cable entry **1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)
 Position **09**	dimension 276 x 184 mm with operating window and hinged cover x = 204 mm max. depth with equipment reference: **519 953**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 32A, 400V, 5p	fuse protection **2** x MCB C charac. 16A, 1p **1** x MCB C charac. 32A, 3p	cable entry **1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)
 Position **10**	dimension 276 x 184 mm with operating window and hinged cover x = 204 mm max. depth with equipment reference: **519 981**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 32A, 400V, 5p	fuse protection **2** x Neozed D01, 1p **1** x Neozed D02, 3p	cable entry **1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)
 Position **11**	dimension 276 x 184 mm with operating window and hinged cover x = 148 mm max. depth with equipment reference: **510 0321**	socket outlet schuko type 16 A, 230 V **3**	CEE socket outlet	fuse protection **1** x RCD 40/0,03A, 4p **3** x MCB C charac. 16A, 1p	cable entry **1** x M32 top (open) **1** x M32 top (closed) **2** x M32 bottom (closed)

Other configurations are available on request.request.

SOCKET OUTLET COMBINATIONS, MADE OF HIGH GRADE PLASTIC

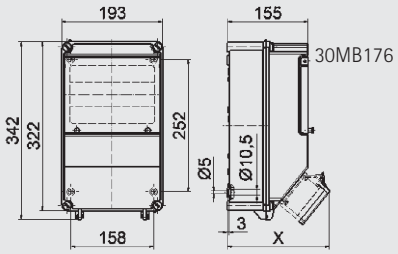
ready wired for installation, protection degree IP 44
housing made of high grade plastic

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



dimension
322 x 193 mm

Max. 9 modules can be fixed in each operation window.





Position **12**

dimension
322 x 193 mm
with operating window and hinged cover

x = 190 mm max. depth with equipment

reference:
54 005

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**2** x 16A, 400V, 5p	**2** x Neozed D01, 1p **2** x Neozed D01, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **13**

dimension
322 x 193 mm
with operating window and hinged cover

x = 200 mm max. depth with equipment

reference:
511 476

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**2** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **14**

dimension
322 x 193 mm
with operating window and hinged cover

x = 200 mm max. depth with equipment

reference:
54 33

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**2** x Neozed D01, 1p **1** x Neozed D01, 3p **1** x Neozed D02, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **15**

dimension
322 x 193 mm
with operating window and hinged cover

x = 200 mm max. depth with equipment

reference:
54 40

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**2** x 32A, 400V, 5p	**2** x Neozed D01, 1p **2** x Neozed D02, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **16**

dimension
322 x 193 mm
with operating window and hinged cover

x = 190 mm max. depth with equipment

reference:
512 488

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**2** x 16A, 400V, 5p	**3** x MCB C charac. 16A, 1p **2** x MCB C charac. 16A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **17**

dimension
322 x 193 mm
with operating window and hinged cover

x = 200 mm max. depth with equipment

reference:
511 508

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**3** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)

Other configurations are available on request.

SOCKET OUTLET COMBINATIONS, MADE OF HIGH GRADE PLASTIC

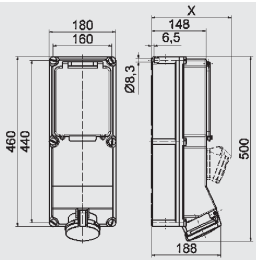
ready wired for installation, protection degree IP 44
housing made of high grade plastic

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



dimension
460 x 180 mm

Max. 2 x 8 modules can be fixed in each operation window.



14MB034



Position **18**

dimension
460 x 180 mm
with operating window

x = 217 mm max.
depth with equipment

reference:
51 862

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **2** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **19**

dimension
460 x 180 mm
with operating window

x = 217 mm max.
depth with equipment

reference:
51 221

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p **1** x 63A, 400V, 5p	**2** x Neozed D01, 1p **1** x Neozed D01, 3p **1** x Neozed D02, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **20**

dimension
460 x 180 mm
with operating window

x = 214 mm max. depth
with equipment

reference:
510 327

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**2** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p **3** x MCB C charac. 16A, 1p **2** x MCB C charac. 16A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **21**

dimension
460 x 180 mm
with operating window

x = 217 mm max.
depth with equipment

reference:
515 923

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **3** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **22**

dimension
460 x 180 mm
with operating window

x = 214 mm max.
depth with equipment

reference:
510 627

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**2** x 32A, 400V, 5p	**1** x RCD 63/0,03A, 4p **3** x MCB C charac. 16A, 1p **2** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position **23**

dimension
460 x 180 mm
with operating window

x = 217 mm max.
depth with equipment

reference:
518 563

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**2** x 32A, 400V, 5p	**3** x MCB C charac. 16A, 1p **2** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)

Other configurations are available on request.request.

SOCKET OUTLET COMBINATIONS, MADE OF HIGH GRADE PLASTIC

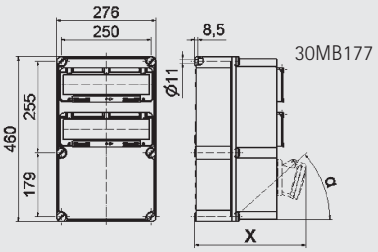
ready wired for installation, protection degree IP 44
housing made of high grade plastic

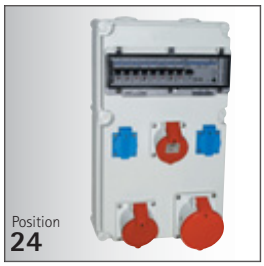
Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



dimension
460 x 276 mm

Max. 2 x 13 modules can be fixed in each operation window.





Position
24

dimension
460 x 276 mm
with operating window

x = 229 mm max.
depth with equipment

reference:
514 260

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p **1** x 63A, 400V, 5p	**1** x RCD 63/0,03A, 4p **2** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position
25

dimension
460 x 276 mm
with operating window

x = 217 mm max.
depth with equipment

reference:
512 326

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
4	**2** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 63/0,03A, 4p **4** x MCB B charac. 16A, 1p **2** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



Position
26

dimension
460 x 276 mm
with operating window

x = 217 mm max. depth
with equipment

reference:
515 920

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
6	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 63/0,03A, 4p **6** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)

Other configurations are available on request.

SURFACE SOCKET OUTLET COMBINATIONS, MADE OF RUBBER

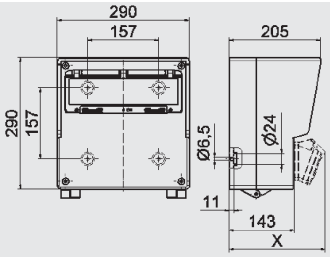
ready wired for installation, protection degree IP 44
housing made of high grade rubber

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



dimension
290 x 290 mm

Max. 13 modules can be fixed in each operation window.



13MB095



dimension
290 x 290 mm
with operating window

x = 203 mm max. depth with equipment

reference:
54 041

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**2** x 16A, 400V, 5p	**2** x Neozed D01, 1p **2** x Neozed D01, 3p	**1** x M32 top (open) **1** x M32 bottom (closed)



dimension
290 x 290 mm
with operating window

x = 212 mm max. depth with equipment

reference:
54 040

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **2** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 bottom (closed)



dimension
290 x 290 mm
with operating window

x = 224 mm max. depth with equipment

reference:
541 587

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 63A, 400V, 5p	**1** x RCD 63/0,03A, 4p **2** x MCB B charac. 16A, 1p **1** x Neozed D02, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



dimension
290 x 290 mm
with operating window

x = 212 mm max. depth with equipment

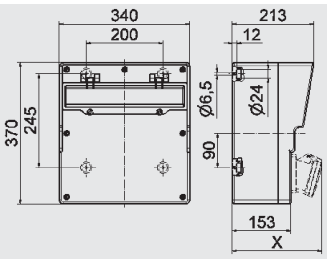
reference:
541 218

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 63/0,03A, 4p **3** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 top (open) **1** x M40 top (closed) **2** x M40 bottom (closed)



dimension
370 x 340 mm

Max. 17 modules can be fixed in each operation window.



13MB098



dimension
370 x 340 mm
with operating window

x = 234 mm max. depth with equipment

reference:
540 736

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p **1** x 63A, 400V, 5p	**1** x RCD 63/0,03A, 4p **2** x Neozed D01, 1p **1** x Neozed D01, 3p **1** x Neozed D02, 3p	**1** x M40 bottom (open)

Other configurations are available on request.request.

PORTABLE COMBINATION UNITS, MADE OF RUBBER

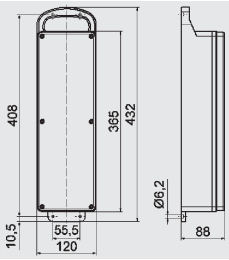
ready wired for installation, protection degree IP 44

housing made of high grade rubber

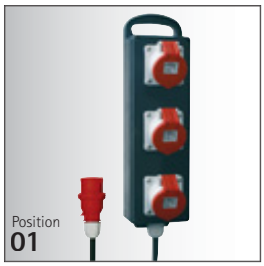
Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



Combination unit dimension
365 x 120 mm



13MB007



Position **01**

Combination unit dimension
365 x 120 mm

reference:
53 10

socket outlet schuko type 16 A, 230 V

CEE socket outlet
3 x 16A, 400V, 5p

fuse protection

cable entry
1 x plug (16A, 400V, 5p)
1,8m H07RN-F5 G2.5



Position **02**

Combination unit dimension
365 x 120 mm
with operating window

reference:
53 648

socket outlet schuko type 16 A, 230 V
2

CEE socket outlet
1 x 16A, 400V, 5p

fuse protection
1 x RCD 40/0,03A, 4p
2 x MCB B charac. 16A, 1p

cable entry
1 x plug (16A, 400V, 5p)
2m H07RN-F5 G2.5



Position **03**

Combination unit dimension
365 x 120 mm
with operating window

reference:
53 141

socket outlet schuko type 16 A, 230 V
4

CEE socket outlet

fuse protection
1 x RCD 25/0,03A, 2p

cable entry
1 x plug schuko type
2m H07RN-F3 G2.5



Position **04**

Combination unit dimension
365 x 120 mm
with operating window

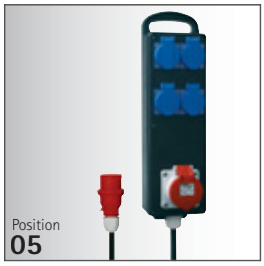
reference:
53 213

socket outlet schuko type 16 A, 230 V
4

CEE socket outlet

fuse protection
1 x RCD 40/0,03A, 4p

cable entry
1 x plug (16A, 400V, 5p)
2m H07RN-F5 G2.5



Position **05**

Combination unit dimension
365 x 120 mm

reference:
53 290

socket outlet schuko type 16 A, 230 V
4

CEE socket outlet
1 x 16A, 400V, 5p

fuse protection

cable entry
1 x plug (16A, 400V, 5p)
2m H07RN-F5 G2.5

Other configurations are available on request.

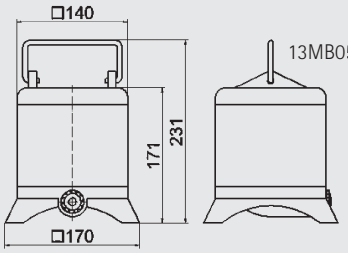
PORTABLE COMBINATION UNITS, MADE OF RUBBER

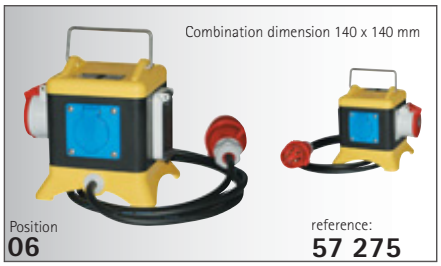
ready wired for installation, protection degree IP 44
housing made of high grade rubber

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry

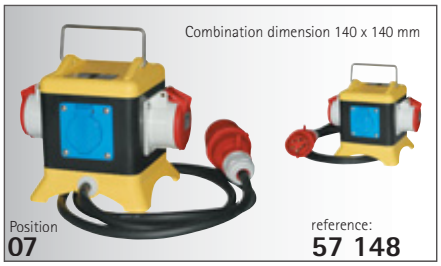


Combination dimension
140 x 140 mm

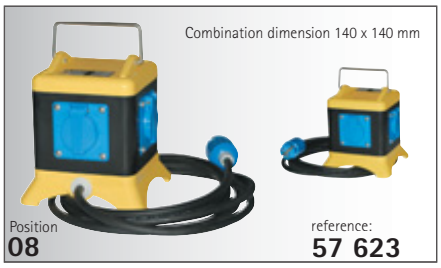




socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p	**1** x RCD 25/0,03A, 2p	**1** x plug (16A, 400V, 5p) **2m** H07RN-F5 G1,5



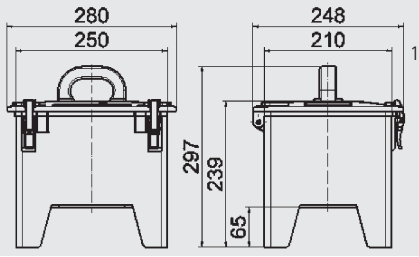
socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**2** x 16A, 400V, 5p		**1** x plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5



socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
4			**1** x plug schuko type **4m** H07RN-F3 G2,5



dimension dimension
250 x 210 mm





socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **3** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	**1** x flange mounting appliance inlet (32A, 400V, 5p)



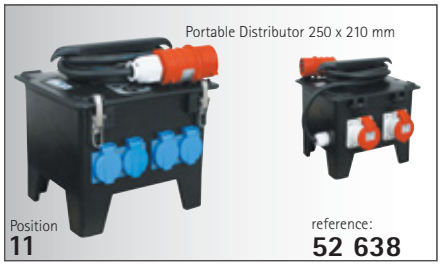
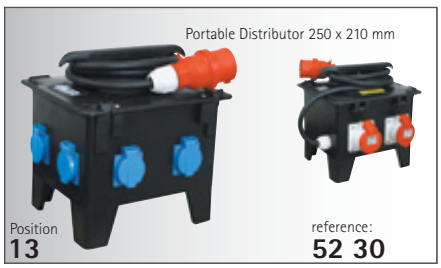
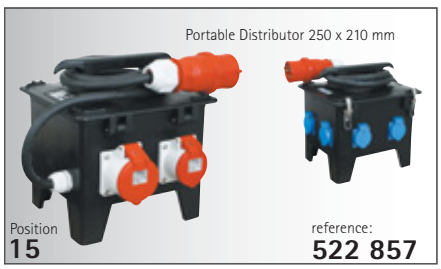
socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**2** x 16A, 400V, 5p **2** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **3** x MCB B charac. 16A, 1p **2** x MCB C charac. 16A, 3p	**1** x flange mounting appliance inlet (32A, 400V, 5p)

Other configurations are available on request.request.

Bals ELEKTROTECHNIK

PORTABLE COMBINATION UNITS, MADE OF RUBBER

ready wired for installation, protection degree IP 44
housing made of high grade rubber

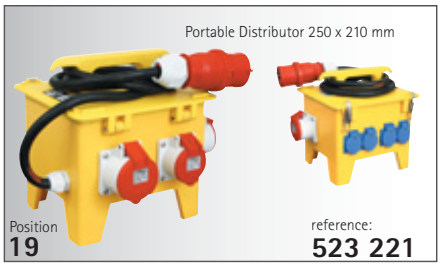
	Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry
 Portable Distributor 250 x 210 mm Position **11** reference: **52 638**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **2** x 16A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p	cable entry **1** x plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5
 Portable Distributor 250 x 210 mm Position **12** reference: **52 480**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **2** x 16A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p	cable entry **1** x flange mounting appliance inlet (16A, 400V, 5p)
 Portable Distributor 250 x 210 mm Position **13** reference: **52 30**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **2** x 16A, 400V, 5p	fuse protection	cable entry **1** x plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5
 Portable Distributor 250 x 210 mm Position **14** reference: **52 25**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **2** x 16A, 400V, 5p	fuse protection	cable entry **1** x flange mounting appliance inlet (16A, 400V, 5p)
 Portable Distributor 250 x 210 mm Position **15** reference: **522 857**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **2** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	cable entry **1** x plug (32A, 400V, 5p) **2m** H07RN-F5 G4
 Portable Distributor 250 x 210 mm Position **16** reference: **522 254**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **2** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	cable entry **1** x flange mounting appliance inlet (32A, 400V, 5p)
 Portable Distributor 250 x 210 mm Position **17** reference: **522 367**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **1** x 16A, 400V, 5p **2** x 32A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **4** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	cable entry **1** x flange mounting appliance inlet (32A, 400V, 5p)

Other configurations are available on request.

Bals ELEKTROTECHNIK

PORTABLE COMBINATION UNITS, MADE OF RUBBER

ready wired for installation, protection degree IP 44
housing made of high grade rubber

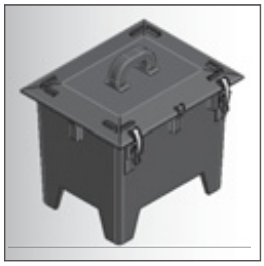
	Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry
 Portable Distributor 250 x 210 mm Position **18** reference: **522 489**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **2** x 16A, 400V, 5p **1** x 32A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **4** x MCB B charac. 16A, 1p **2** x MCB C charac. 16A, 3p	cable entry **1** x flange mounting appliance inlet (32A, 400V, 5p)
 Portable Distributor 250 x 210 mm Position **19** reference: **523 221**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **2** x 16A, 400V, 5p **1** x 32A, 400V, 5p	fuse protection **2** x Neozed D01, 1p **2** x Neozed D01, 3p	cable entry **1** x plug (32A, 400V, 5p) **2m** H07RN-F5 G4
 Portable Distributor 250 x 210 mm Position **20** reference: **52 26**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **2** x 16A, 400V, 5p **1** x 32A, 400V, 5p	fuse protection **2** x Neozed D01, 1p **2** x Neozed D01, 3p	cable entry **1** x flange mounting appliance inlet (32A, 400V, 5p)
 Portable Distributor 250 x 210 mm Position **21** reference: **524 276**	socket outlet schuko type 16 A, 230 V **5**	CEE socket outlet **2** x 16A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **5** x MCB B charac. 16A, 1p **2** x MCB C charac. 16A, 3p	cable entry **1** x flange mounting appliance inlet (32A, 400V, 5p)
 Portable Distributor 250 x 210 mm Position **22** reference: **52 6**	socket outlet schuko type 16 A, 230 V **5**	CEE socket outlet **2** x 16A, 400V, 5p	fuse protection	cable entry **1** x flange mounting appliance inlet (16A, 400V, 5p)
 Portable Distributor 250 x 210 mm Position **23** reference: **522 590**	socket outlet schuko type 16 A, 230 V **6**	CEE socket outlet **2** x 16A, 400V, 5p **1** x 32A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **3** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p	cable entry **1** x flange mounting appliance inlet with Phase inverter (32A, 400V, 5p)

Other configurations are available on request.request.

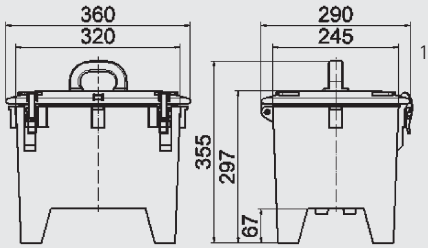
PORTABLE COMBINATION UNITS, MADE OF RUBBER

ready wired for installation, protection degree IP 44
housing made of high grade rubber

Schuko-socket outlet | CEE socket outlet | fuse protection | cable entry



dimension
320 x 245 mm



13MB036



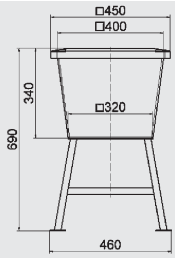
socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
4	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p **1** x 63A, 400V, 5p	**1** x RCD 63/0,03A, 4p **2** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x plug (63A, 400V, 5p) **3m** H07RN-F5 G10



socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
4	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p **1** x 63A, 400V, 5p	**1** x RCD 63/0,03A, 4p **2** x Neozed D01, 1p **1** x Neozed D01, 3p **1** x Neozed D02, 3p	**1** x appliance inlet with flange (63A, 400V, 5p)



dimension
450 x 450 mm



13MB077



socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
6	**1** x 16A, 230V, 3p **1** x 16A, 400V, 5p **1** x 32A, 400V, 5p **1** x 63A, 400V, 5p	**1** x RCD 63/0,03A, 4p **6** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x appliance inlet with flange (63A, 400V, 5p)

Other configurations are available on request.

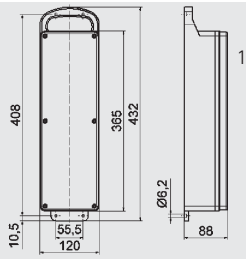
PORTABLE COMBINATION UNITS, MADE OF RUBBER

ready wired for installation, protection degree IP 44
housing made of high grade rubber

Schuko-socket outlet | CEE socket outlet | fuse protection | cable entry



Combination unit dimension
365 x 120 mm



13MB007



Position **27**

Combination unit dimension
365 x 120 mm
with operating window

reference:
53 420

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
	2 x 16A, 400V, 5p	**2** x MCB C charac. 16A, 3p	**1** x plug (32A, 400V, 5p) **2m** H07RN-F5 G6



Position **28**

Combination unit dimension
365 x 120 mm
with operating window

reference:
53 934

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
	1 x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **1** x MCB C charac. 16A, 3p	**1** x plug (32A, 400V, 5p) **2m** H07RN-F5 G6



Position **29**

Combination unit dimension
365 x 120 mm

reference:
53 525

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
	3 x 32A, 400V, 5p		**1** x plug (32A, 400V, 5p) **2m** H07RN-F5 G4



Position **30**

Combination unit dimension
365 x 120 mm
with operating window

reference:
53 38

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2		**1** x RCD 25/0,03A, 2p	**1** x plug schuko type **2m** H07RN-F3 G1,5



Position **31**

Combination unit dimension
365 x 120 mm
with operating window

reference:
53 0

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p	**1** x plug (16A, 400V, 5p) **1,8m** H07RN-F5 G2,5



Position **32**

Combination unit dimension
365 x 120 mm

reference:
53 11

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p		**1** x plug (16A, 400V, 5p) **1,8m** H07RN-F5 G2,5

Other configurations are available on request.request.

PORTABLE COMBINATION UNITS, MADE OF RUBBER

ready wired for installation, protection degree IP 44

housing made of high grade rubber

	Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry

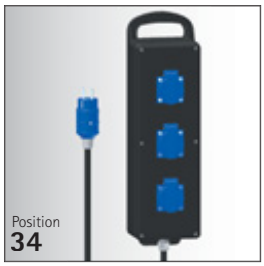


Position **33**

Combination unit dimension
365 x 120 mm
with operating window

reference:
53 931

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **2** x MCB B charac. 16A, 1p	**1** x Plug (32A, 400V, 5p) **2m** H07RN-F5 G4



Position **34**

Combination unit dimension
365 x 120 mm

reference:
53 50

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3			**1** x plug schuko type **2m** H07RN-F3 G2,5



Position **35**

Combination unit dimension
365 x 120 mm

reference:
53 738

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
6			**1** x plug schuko type **2m** H07RN-F3 G2,5



Position **36**

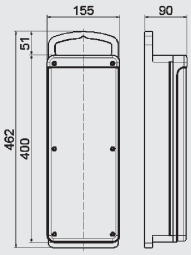
Combination unit dimension
365 x 120 mm

reference:
53 247

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
6			**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5



Combination unit dimension
400 x 150 mm



13MB054



Position **37**

Combination unit dimension
400 x 150 mm
with operating window

reference:
53 682

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**2** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	**1** x Plug (32A, 400V, 5p) **2m** H07RN-F5 G4



Position **38**

Blockverteiler dimension
400 x 150 mm
with operating window

reference:
53 680

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
6		**1** x RCD 40/0,03A, 4p **3** x MCB B charac. 16A, 1p	**1** x Plug (32A, 400V, 5p) **2m** H07RN-F5 G4

Other configurations are available on request.

PORTABLE COMBINATION UNITS, MADE OF RUBBER

ready wired for installation, protection degree IP 44
housing made of high grade rubber

	Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



Position **39**

Combination unit dimension
400 x 150 mm
with operating window

reference: **53 681**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
6	**1** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p	**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5

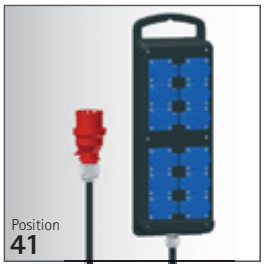


Position **40**

Combination unit dimension
400 x 150 mm
with operating window

reference: **53 932**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
6	**1** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **3** x MCB B charac. 16A, 1p	**1** x Plug (32A, 400V, 5p) **2m** H07RN-F5 G4



Position **41**

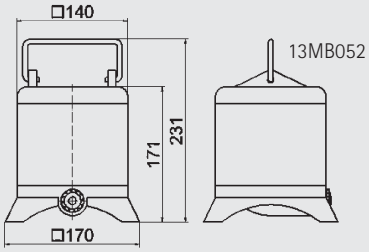
Combination unit dimension
400 x 150 mm

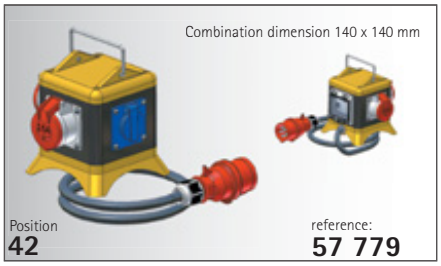
reference: **53 679**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
12			**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5



Combination dimension
140 x 140 mm

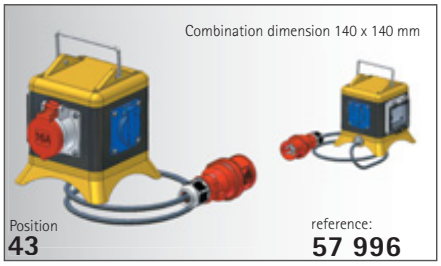




Position **42**

reference: **57 779**

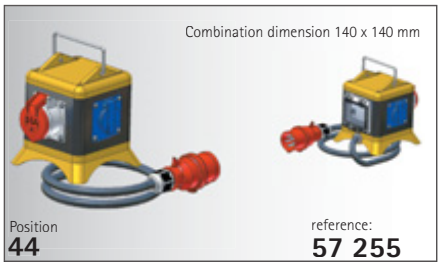
socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
1	**2** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p	**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5



Position **43**

reference: **57 996**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p	**1** x Phase inverter (16A, 400V, 5p) **2m** H07RN-F5 G2,5



Position **44**

reference: **57 255**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p	**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5

Other configurations are available on request.request.

PORTABLE COMBINATION UNITS, MADE OF HIGH GRADE PLASTIC

ready wired for installation, protection degree IP 44

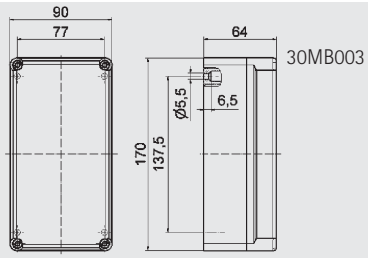
housing made of high grade plasic

Schuko-socket outlet | CEE socket outlet | fuse protection | cable entry



Portable Distributor dimension

170 x 90 mm





Portable Distributor dimension

170 x 90 mm

reference:

55 08

socket outlet schuko type 16 A, 230 V

3

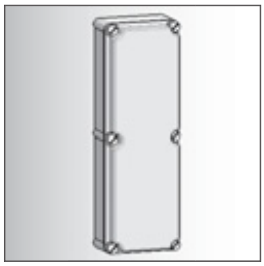
CEE socket outlet

fuse protection

cable entry

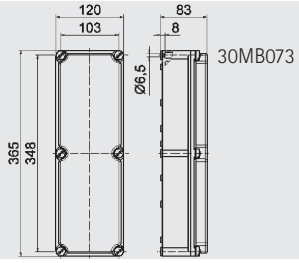
1 x plug schuko type

1,8m H07RN-F3 G1,5



Portable Distributor dimension

365 x 120 mm





Portable Distributor dimension

365 x 120 mm

reference:

55 195

socket outlet schuko type 16 A, 230 V

5

CEE socket outlet

1 x 16A, 230V, 3p

fuse protection

cable entry

1 x Plug (16A, 230V, 3p)

1,8m H07RN-F3 G2,5

Other configurations are available on request.

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PORTABLE COMBINATION UNITS, MADE OF HIGH GRADE PLASTIC

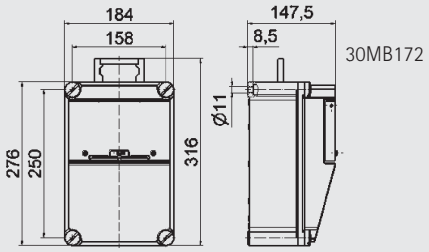
ready wired for installation, protection degree IP 44

housing made of high grade plasic

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



Portable Distributor dimension
276 x 184 mm





Portable Distributor dimension
276 x 184 mm

reference:
55 639

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
	4 x 16A, 400V, 5p		**1** x Plug (16A, 400V, 5p) **1,8m** H07RN-F5 G2,5



Portable Distributor dimension
276 x 184 mm

reference:
55 641

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p	**1** x Plug (16A, 400V, 5p) **1,8m** H07RN-F5 G2,5



Portable Distributor dimension
276 x 184 mm

reference:
55 637

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**2** x 16A, 400V, 5p		**1** x Plug (16A, 400V, 5p) **1,8m** H07RN-F5 G2,5



Portable Distributor dimension
276 x 184 mm

reference:
55 640

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
4		**1** x RCD 25/0,03A, 2p	**1** x plug schuko type **1,8m** H07RN-F3 G2,5



Portable Distributor dimension
276 x 184 mm

reference:
55 638

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
6			**1** x Plug (16A, 400V, 5p) **1,8m** H07RN-F5 G2,5

7

Other configurations are available on request.request.

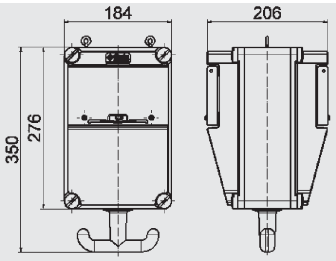
DISTRIBUTOR UNITS SUSPENDIBLE, MADE OF HIGH GRADE PLASTIC

ready wired for installation, protection degree IP 44
housing made of high grade plastic

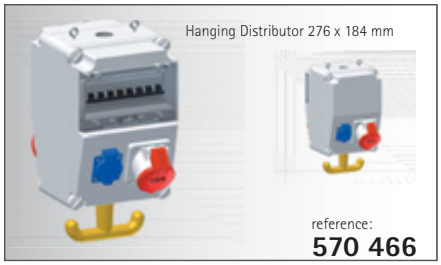
Schuko-socket outlet | CEE socket outlet | fuse protection | cable entry



Hanging Connectors
dimension
276 x 184 mm



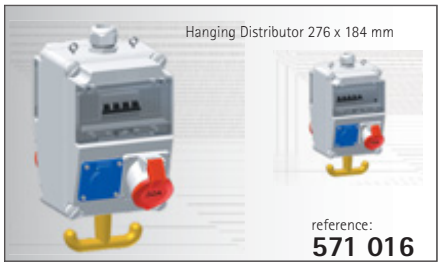
30MB186



Hanging Distributor 276 x 184 mm

reference:
570 466

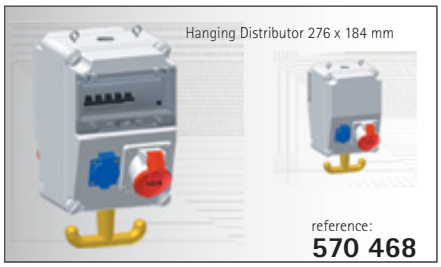
socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**2** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M32 on top (open)



Hanging Distributor 276 x 184 mm

reference:
571 016

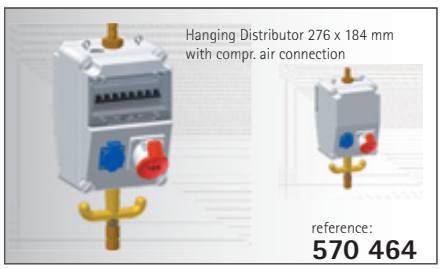
socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **2** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	**1** x M40 on top



Hanging Distributor 276 x 184 mm

reference:
570 468

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 40/0,03A, 4p **1** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	**1** x M32 on top (open)



Hanging Distributor 276 x 184 mm
with compr. air connection

reference:
570 464

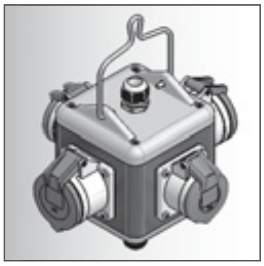
socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**2** x 16A, 400V, 5p	**2** x MCB B charac. 16A, 1p **2** x MCB C charac. 16A, 3p	**1** x M32 on top (open) compr. air connection: input: cable sleeve NW 13 mm output: 1/2" fast connector

Other configurations are available on request.

DISTRIBUTOR UNITS SUSPENDIBLE, MADE OF RUBBER

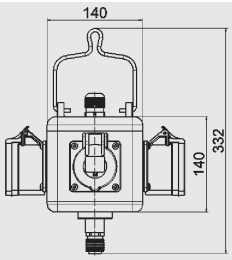
ready wired for installation, protection degree IP 44
housing made of high grade rubber

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry

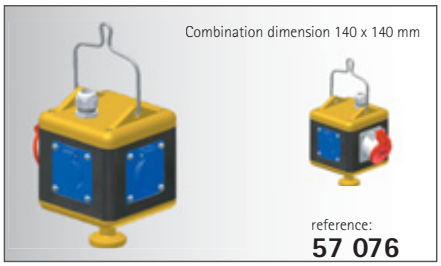


Combination dimension
140 x 140 mm

The measurements are with the equipment of CEE socket 32A 5p.

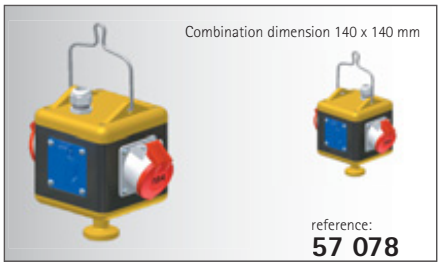


13MB045



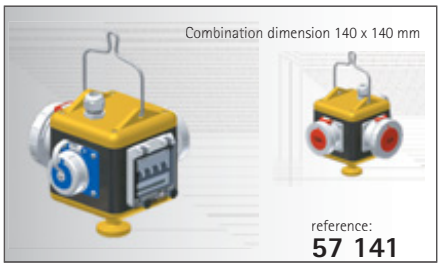
reference: **57 076**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**1** x 16A, 400V, 5p		**1** x M25



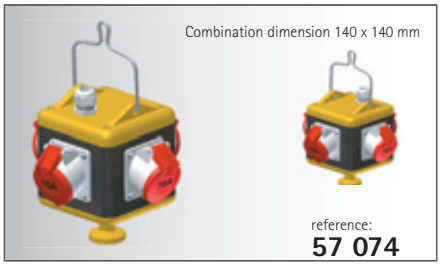
reference: **57 078**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**2** x 16A, 400V, 5p		**1** x M25



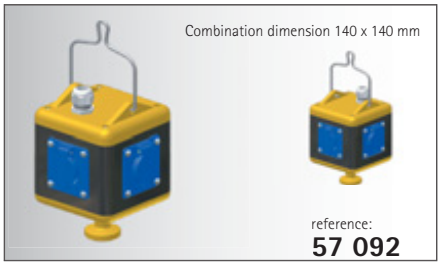
reference: **57 141**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
1*	**1** x 16A, 400V, 5p* **1** x 32A, 400V, 5p*	**1** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	**1** x M25



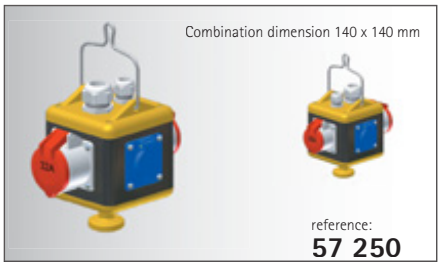
reference: **57 074**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
	4 x 16A, 400V, 5p		**1** x M25



reference: **57 092**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
4			**1** x M25



reference: **57 250**

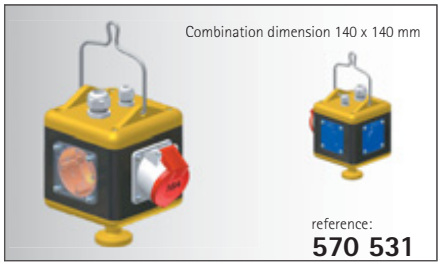
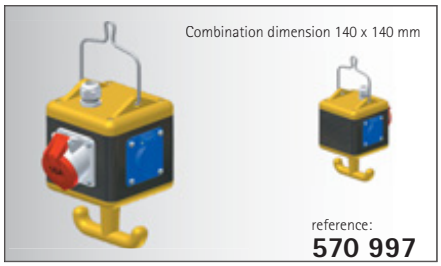
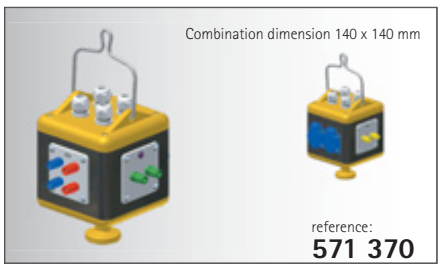
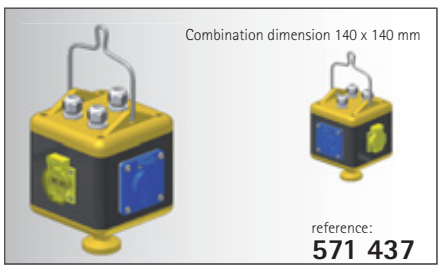
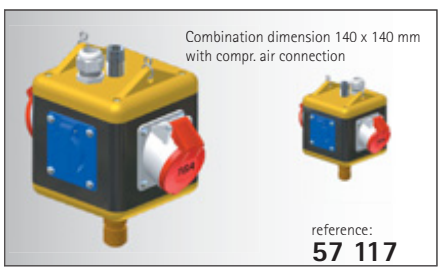
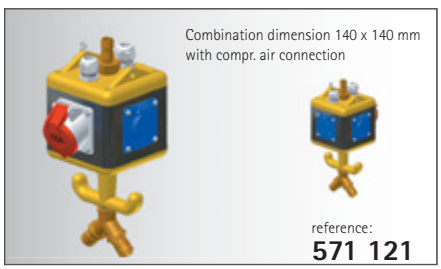
socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p		**1** x M25 **1** x M32 (2 circuits)

* Other configurations are available on request.request.

Bals ELEKTROTECHNIK

DISTRIBUTOR UNITS SUSPENDIBLE, MADE OF RUBBER

ready wired for installation, protection degree IP 44
housing made of high grade rubber

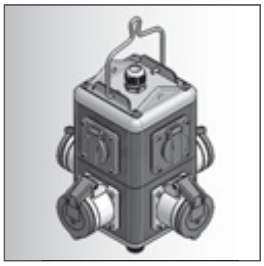
	Schuko-socket outlet	CEE so cket outlet	fuse protection	cable entry
 Combination dimension 140 x 140 mm reference: **570 531**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 16A, 400V, 5p **1** x space holder for data socket	fuse protection	cable entry **1** x M16 **1** x M25
 Combination dimension 140 x 140 mm reference: **570 997**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 16A, 400V, 5p	fuse protection	cable entry **1** x M25
 Combination dimension 140 x 140 mm reference: **571 370**	socket outlet schuko type 16 A, 230 V **2** with child protection	CEE socket outlet	fuse protection	cable entry **4** x M20 **2** x connector for laboratory yellow/green ground potential **2** x connector for laboratory blue and red D.C. low voltage. **2** x con. for laboratory yellow A.C. low voltage
 Combination dimension 140 x 140 mm reference: **571 437**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet	fuse protection	cable entry **3** x M20 **2** x twin data socket
 Combination dimension 140 x 140 mm with compr. air connection reference: **57 117**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **2** x 16A, 400V, 5p	fuse protection	cable entry **1** x M25 on top compr. air connection: input: 1/2" tube with ext. thread output: 1/2" fast connector
 Combination dimension 140 x 140 mm with compr. air connection reference: **571 121**	socket outlet schuko type 16 A, 230 V **3**	CEE socket outlet **1** x 16A, 400V, 5p	fuse protection	cable entry **2** x M25 (2 circuits) compr. air connection: input: cable sleeve NW 13 mm output: 1/2" two-way fast connector

Other configurations are available on request.

DISTRIBUTOR UNITS SUSPENDIBLE, MADE OF RUBBER

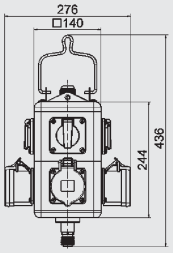
ready wired for installation, protection degree IP 44
housing made of high grade rubber

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry

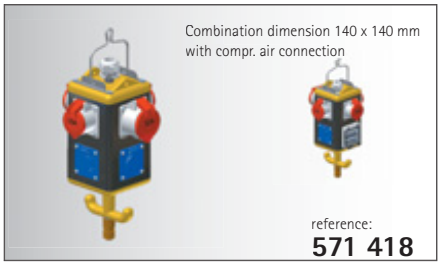


Combination dimension
244 x 140 mm

The measurements are with the equipment of CEE socket 32A 5p.



13MB081



socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**3** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	**1** x M32 on top compr. air connection: input: 1/2" tube with ext. thread output: 1/2" fast connector

7

Other configurations are available on request.request.

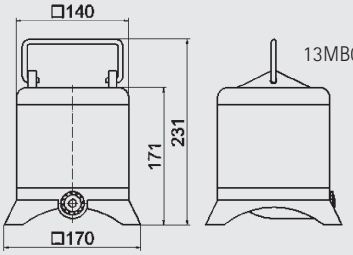
UNI-BLOCKS, PORTABLE

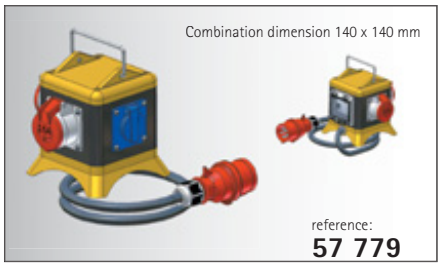
ready wired for installation, protection degree IP 44
housing made of high grade rubber

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



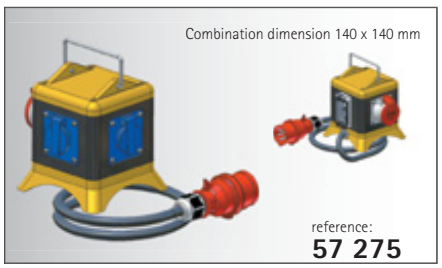
Combination dimension
140 x 140 mm





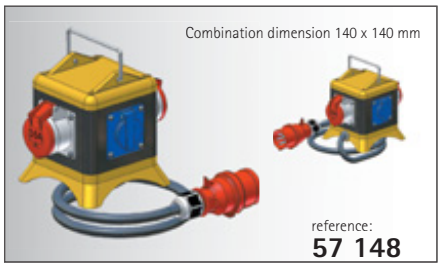
reference: **57 779**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
1	**2** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p	**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5



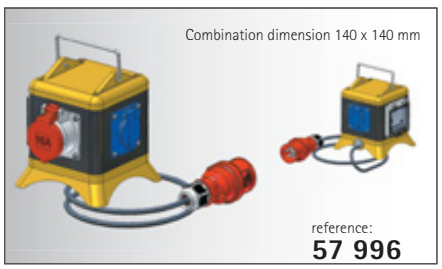
reference: **57 275**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p	**1** x RCD 25/0,03A, 2p	**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G1,5



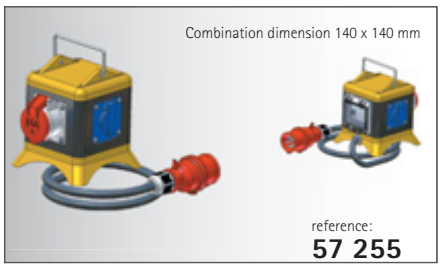
reference: **57 148**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**2** x 16A, 400V, 5p		**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5



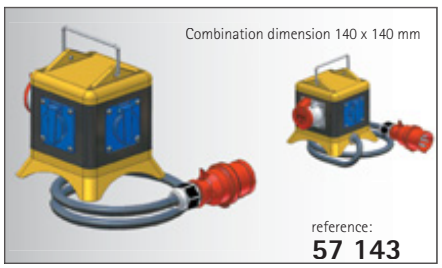
reference: **57 996**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p	**1** x Phase inverter (16A, 400V, 5p) **2m** H07RN-F5 G2,5



reference: **57 255**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**1** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p	**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5



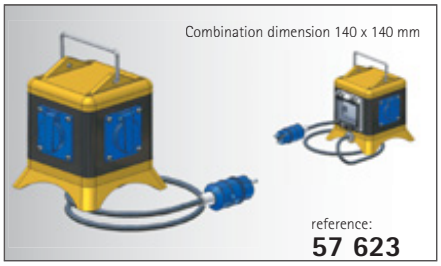
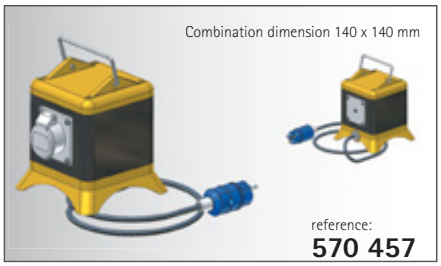
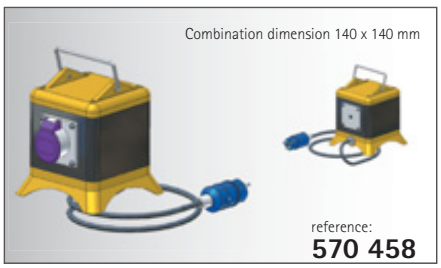
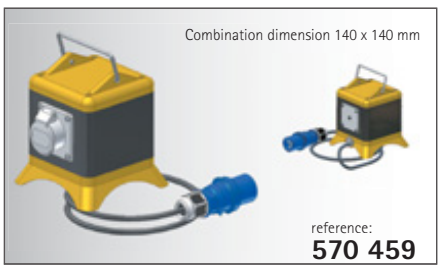
reference: **57 143**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**1** x 16A, 400V, 5p		**1** x Plug (16A, 400V, 5p) **2m** H07RN-F5 G2,5

Other configurations are available on request.

UNI-BLOCKS, PORTABLE

ready wired for installation, protection degree IP 44
housing made of high grade rubber

	Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry
 Combination dimension 140 x 140 mm reference: **57 623**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet	fuse protection	cable entry **1** x plug schuko type **4m** H07RN-F3 G2,5
 Combination dimension 140 x 140 mm reference: **570 457**	socket outlet schuko type 16 A, 230 V	CEE socket outlet **1** x 16A, 42V, 2p	fuse protection **1** x Sicherungstrafo (120VA, 230/42V) **1** x ETA Schalter 0,5A (primary)	cable entry **1** x plug schuko type **2m** H07RN-F3 G2,5
 Combination dimension 140 x 140 mm reference: **570 458**	socket outlet schuko type 16 A, 230 V	CEE socket outlet **1** x 16A, 24V, 2p	fuse protection **1** x Sicherungstrafo (120VA, 230/24V) **1** x ETA Schalter 0,5A (primary)	cable entry **1** x plug schuko type **2m** H07RN-F3 G2,5
 Combination dimension 140 x 140 mm reference: **570 459**	socket outlet schuko type 16 A, 230 V	CEE socket outlet **1** x 16A, 42V, 2p	fuse protection **1** x Sicherungstrafo (120VA, 230/42V) **1** x ETA Schalter 0,5A (primary)	cable entry **1** x Plug (16A, 230V, 3p) **2m** H07RN-F3 G2,5

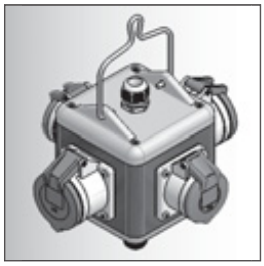
7

Other configurations are available on request.request.

UNI-BLOCK-DISTRIBUTION UNITS, SUSPENDIBLE

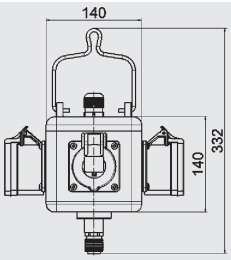
ready wired for installation, protection degree IP 44
housing made of high grade rubber

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry

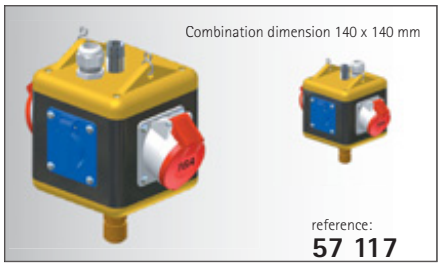


Combination dimension
140 x 140 mm

The measurements are with the equipment of CEE socket 32A 5p.

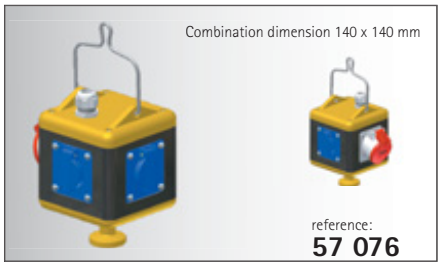


13MB045



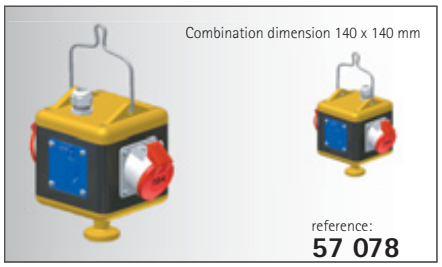
reference: **57 117**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**2** x 16A, 400V, 5p		**1** x M32 on top compr. air connection: input: 1/2" tube with ext. thread output: 1/2" fast connector



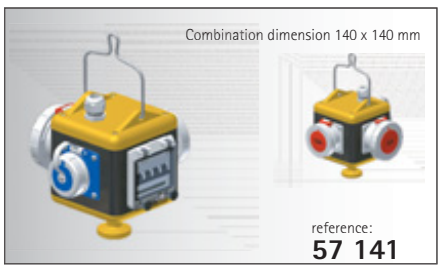
reference: **57 076**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
3	**1** x 16A, 400V, 5p		**1** x M25



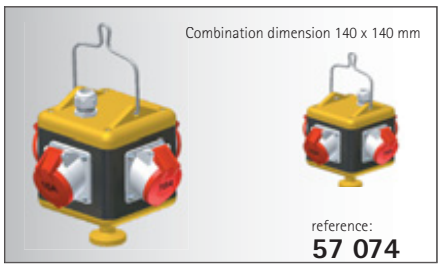
reference: **57 078**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
2	**2** x 16A, 400V, 5p		**1** x M25



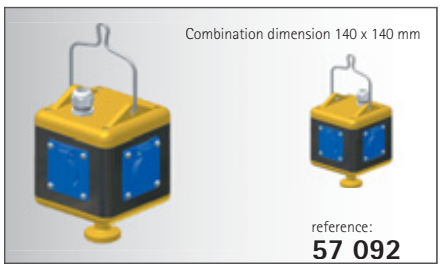
reference: **57 141**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
1*	**1** x 16A, 400V, 5p* **1** x 32A, 400V, 5p*	**1** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	**1** x M25



reference: **57 074**

socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
	4 x 16A, 400V, 5p		**1** x M25



reference: **57 092**

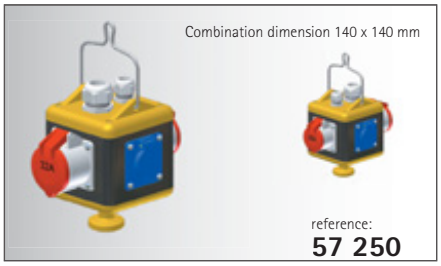
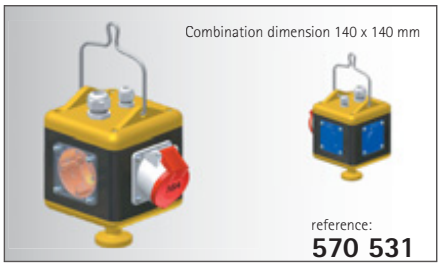
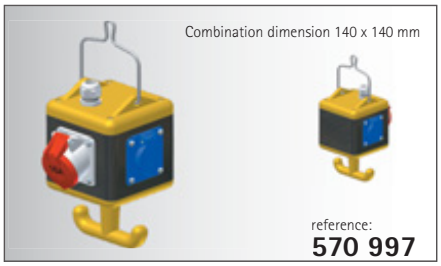
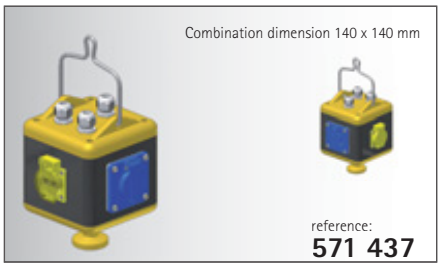
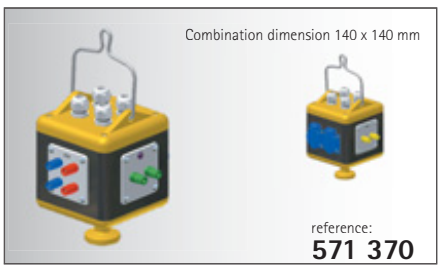
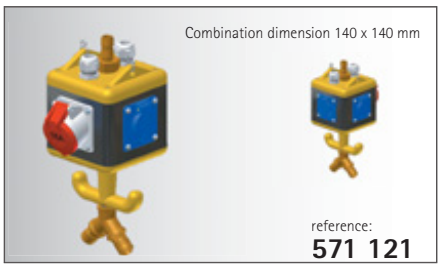
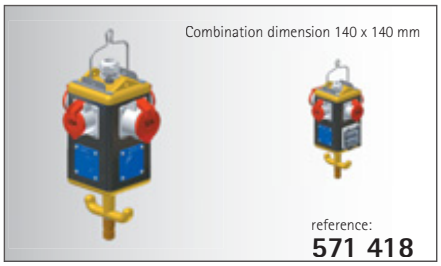
socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
4			**1** x M25

Other configurations available on request.

* Socket outlet IP 67

UNI-BLOCK-DISTRIBUTION UNITS, SUSPENDIBLE

ready wired for installation, protection degree IP 44
housing made of high grade rubber

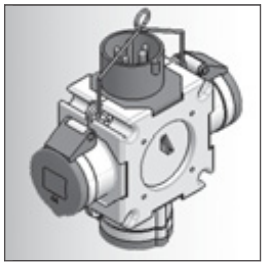
	Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry
 Combination dimension 140 x 140 mm reference: **57 250**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	fuse protection	cable entry **1** x M25 **1** x M32 (2 circuits)
 Combination dimension 140 x 140 mm reference: **570 531**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 16A, 400V, 5p **1** x space holder for data socket	fuse protection	cable entry **1** x M16 **1** x M25
 Combination dimension 140 x 140 mm reference: **570 997**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 16A, 400V, 5p	fuse protection	cable entry **1** x M25
 Combination dimension 140 x 140 mm reference: **571 437**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet	fuse protection	cable entry **3** x M20 **2** x twin data socket
 Combination dimension 140 x 140 mm reference: **571 370**	socket outlet schuko type 16 A, 230 V **2** with child protection	CEE socket outlet	fuse protection	cable entry **4** x M20 **2** x connector for laboratory yellow/green ground potential **2** x connector for laboratory blue and red D.C. low voltage. **2** x connector for laboratory yellow A.C. low voltage
 Combination dimension 140 x 140 mm reference: **571 121**	socket outlet schuko type 16 A, 230 V **3**	CEE socket outlet **1** x 16A, 400V, 5p	fuse protection	cable entry **2** x M25 (2 circuits) compr. air connection: input cable sleeve NW 13 mm output: 1/2" two-way fast connector
 Combination dimension 140 x 140 mm reference: **571 418**	socket outlet schuko type 16 A, 230 V **3**	CEE socket outlet **3** x 16A, 400V, 5p **1** x 32A, 400V, 5p	fuse protection **1** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p	cable entry **1** x M32 on top compr. air connection: input: 1/2" tube with ext. thread output: 1/2" fast connector

Other configurations are available on request.request.

CROSS-DISTRIBUTION UNITS

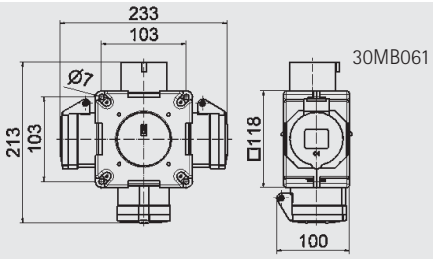
ready wired for installation, protection degree IP 44
housing made of high grade plastic

Schuko-socket outlet | CEE socket outlet | fuse protection | cable entry



Cross-Distributor dimension
118 x 118 mm

The measurements are with the equipment of CEE socket 32A 5p.



30MB061



Cross-Distributor dimension
118 x 118 mm

reference:
54 655

socket outlet schuko type 16 A, 230 V: **2**

CEE socket outlet: **1** x 16A, 230V, 3p

fuse protection

cable entry: **1** x appliance inlet (16A, 230V, 3p)



Cross-Distributor dimension
118 x 118 mm

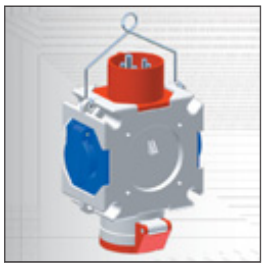
reference:
54 657

socket outlet schuko type 16 A, 230 V: **2**

CEE socket outlet: **1** x 16A, 400V, 5p

fuse protection

cable entry: **1** x Plug (16A, 400V, 5p)
1,5m H07RN-F5 G2,5



Cross-Distributor dimension
118 x 118 mm

reference:
54 580

socket outlet schuko type 16 A, 230 V: **2**

CEE socket outlet: **1** x 16A, 400V, 5p

fuse protection

cable entry: **1** x appliance inlet (16A, 400V, 5p)



Cross-Distributor dimension
118 x 118 mm

reference:
54 568

socket outlet schuko type 16 A, 230 V

CEE socket outlet: **3** x 16A, 230V, 3p

fuse protection

cable entry: **1** x Plug (16A, 230V, 3p)
1,5m H07RN-F3 G2,5



Cross-Distributor dimension
118 x 118 mm

reference:
54 566

socket outlet schuko type 16 A, 230 V

CEE socket outlet: **3** x 16A, 230V, 3p

fuse protection

cable entry: **1** x appliance inlet (16A, 230V, 3p)



Cross-Distributor dimension
118 x 118 mm

reference:
54 569

socket outlet schuko type 16 A, 230 V

CEE socket outlet: **3** x 16A, 400V, 5p

fuse protection

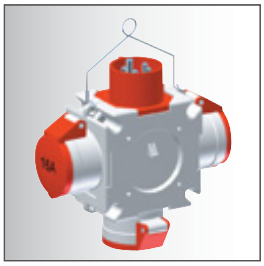
cable entry: **1** x Plug (16A, 400V, 5p)
1,5m H07RN-F5 G2,5

Other configurations are available on request.

CROSS-DISTRIBUTION/ E-V-E ENERGY DISTRIBUTION UNITS

ready wired for installation, protection degree IP 44
housing made of high grade plastic

Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



Cross-Distributor dimension
118 x 118 mm

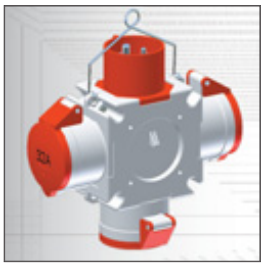
reference:
54 6

socket outlet schuko type 16 A, 230 V

CEE socket outlet
3 x 16A, 400V, 5p

fuse protection

cable entry
1 x appliance inlet
(16A, 400V, 5p)



Cross-Distributor dimension
118 x 118 mm

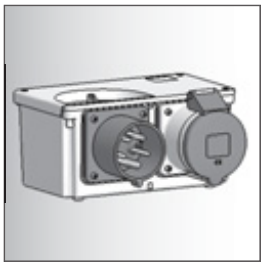
reference:
54 567

socket outlet schuko type 16 A, 230 V

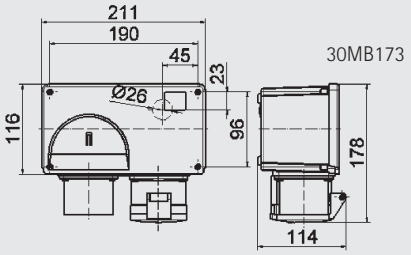
CEE socket outlet
3 x 32A, 400V, 5p

fuse protection

cable entry
1 x appliance inlet
(32A, 400V, 5p)



E-V-E Distributor dimension
211 x 116 mm





E-V-E Distributor dimension
211 x 116 mm

reference:
59 0

socket outlet schuko type 16 A, 230 V

CEE socket outlet
1 x 16A, 230V, 3p

fuse protection

cable entry
1 x appliance inlet
(16A, 230V, 3p)



E-V-E Distributor dimension
211 x 116 mm

reference:
59 008

socket outlet schuko type 16 A, 230 V

CEE socket outlet
1 x 16A, 400V, 4p

fuse protection

cable entry
1 x appliance inlet
(16A, 400V, 4p)



E-V-E Distributor dimension
211 x 116 mm

reference:
59 1

socket outlet schuko type 16 A, 230 V

CEE socket outlet
1 x 16A, 400V, 5p

fuse protection

cable entry
1 x appliance inlet
(16A, 400V, 5p)



E-V-E Distributor dimension
211 x 116 mm

reference:
59 2

socket outlet schuko type 16 A, 230 V

CEE socket outlet
1 x 32A, 400V, 5p

fuse protection

cable entry
1 x appliance inlet
(32A, 400V, 5p)

Other configurations are available on request.request.

STEEL BOLLARDS

ready wired for installation, protection degree IP 44

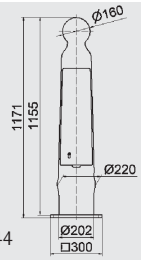
Schuko-socket outlet	CEE socket outlet	fuse protection	cable entry



Steel bollard

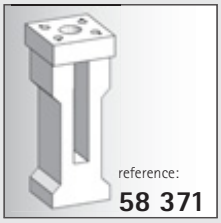
material of housing:
steel galvanized,
powder-coated

Colour:
anthracite

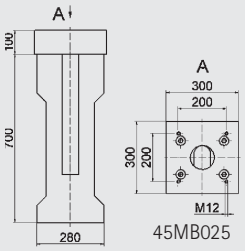


45MB044

concrete base for bottom attachment



reference:
58 371



45MB025



Steel bollard	socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
ready wired on terminal 5 x 10 qmm		**3** x 16A, 230V, 3p	**1** x RCD 40/0,03A, 4p **3** x MCB B charac. 16A, 1p	clamping units for strain relief at bottom
reference: **56 420**				



Steel bollard	socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
ready wired on terminal 6x10mm²	**2**	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**2** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	clamping units for strain relief at bottom
reference: **56 425**				



Steel bollard	socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
ready wired on terminal 5 x 10 qmm	**1**	**1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	clamping units for strain relief at bottom
reference: **56 445**				



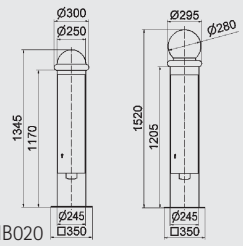
Steel bollard	socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
ready wired on terminal 5x10mm²	**2**	**2** x 16A, 400V, 5p	**1** x RCD 40/0,03A, 4p **1** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p	clamping units for strain relief at bottom
reference: **56 419**				



Steel bollard

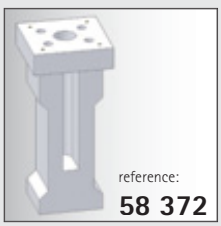
material of housing:
steel galvanized,
powder coated
Colour:
anthracite

Optional:
with nostalgia cover
special colour on request

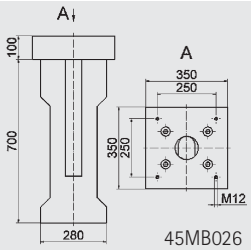


45MB020

concrete base for bottom attachment



reference:
58 372



45MB026

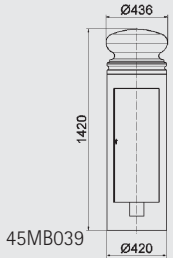
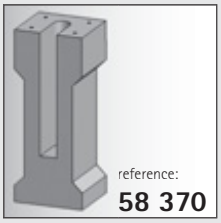
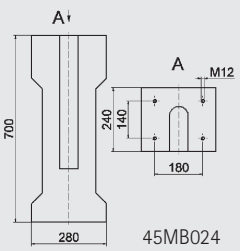


Steel bollard	socket outlet schuko type 16 A, 230 V	CEE socket outlet	fuse protection	cable entry
ready wired on terminal 5x25mm²	**1**	**2** x 16A, 400V, 5p **1** x 32A, 400V, 5p	**1** x RCD 63/0,03A, 4p **1** x MCB B charac. 16A, 1p **2** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	clamping units for strain relief at bottom
reference: **56 884**				

Other configurations are available on request.

STEEL BOLLARDS

ready wired for installation, protection degree IP 44

	Schuko-socket outlet	CEE socket outlet	fuse protec-	cable entry
	Steel bollard ready wired on terminal 6x10mm² reference: **56 885**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **2** x 16A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **1** x MCB C charac. 16A, 1p **1** x MCB C charac. 16A, 3p	cable entry clamping units for strain relief at bottom
	Steel bollard ready wired on terminal 5x25mm² reference: **56 883**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **2** x 32A, 400V, 5p	fuse protection **1** x RCD 63/0,03A, 4p **2** x MCB B charac. 16A, 1p **2** x MCB C charac. 32A, 3p	cable entry clamping units for strain relief at bottom
	Steel bollard ready wired on terminal 5 x 10 qmm reference: **56 882**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **2** x 16A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **2** x MCB B charac. 16A, 1p **2** x MCB C charac. 16A, 3p	cable entry clamping units for strain relief at bottom
	Steel bollard ready wired on terminal 5x25mm² reference: **56 881**	socket outlet schuko type 16 A, 230 V **2**	CEE socket outlet **1** x 16A, 400V, 5p **1** x 32A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p **2** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	cable entry clamping units for strain relief at bottom
	Steel bollard material of housing: steel galvanized, powder-coated	 45MB039	concrete base for bottom attachment  reference: **58 370**	 45MB024	
	Steel bollard ready wired on terminal 5x25mm² Colour: anthracite reference: **560 486**	socket outlet schuko type 16 A, 230 V	CEE socket outlet **6** x 16A, 230V, 3p **2** x 16A, 400V, 5p	fuse protection **1** x RCD 40/0,03A, 4p for die 3p CEE-socket outlets **1** x RCD 40/0,03A, 4p for die 5p CEE-socket outlets **6** x MCB C charac. 16A, 1p **2** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p	cable entry cable guard rail at bottom
	Steel bollard ready wired on terminal 5x25mm² Colour: moss-green reference: **560 496**	socket outlet schuko type 16 A, 230 V **4**	CEE socket outlet **1** x 16A, 400V, 5p **1** x 32A, 400V, 5p **1** x 63A, 400V, 5p	fuse protection **1** x RCD 63/0,03A, 4p **4** x MCB B charac. 16A, 1p **1** x MCB C charac. 16A, 3p **1** x MCB C charac. 32A, 3p **1** x MCB C charac. 63A, 3p	cable entry cable guard rail at bottom

Other configurations are available on request.request.



PLUGS AND SOCKETS FOR CARAVAN AND CAMPING

PLUGS AND SOCKETS FOR CARAVANNING AND CAMPING-SITE

Surface Socket Outlets, Panel Mounting Socket Outlets, Plugs, Appliance Inlets, Connectors

TABLE OF CONTENTS

Surface- and Panel Mounting Socket Outlets Page 154



Plugs Page 154



Caravan-Built-in Appliance Plugs Page 155



Surface Mounting Appliance Inlets Page 155



Connectors Page 156



Adaptor Plugs Page 156



Plugs Schuko Type Page 157



Connectors Schuko Type Page 157



Extension Cables Page 157



Camping-Distributor Units Page 158, 159



8

Preferred scopes

Construction Industry



Camping site

Industry

Building Services

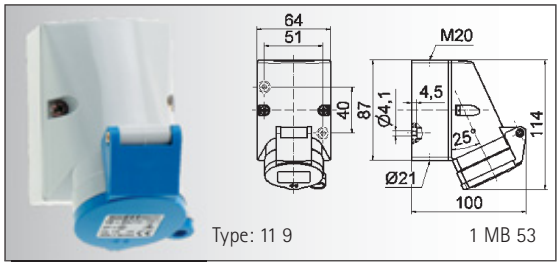
Farming

Harbour and Shipbuilding

PLUGS AND SOCKETS FOR CAMPING-SITE

IEC 60309-1/2, EN 60309, VDE 0623
dimension, socket insert and hinged lid made of high grade plastic
protection degree IP 44

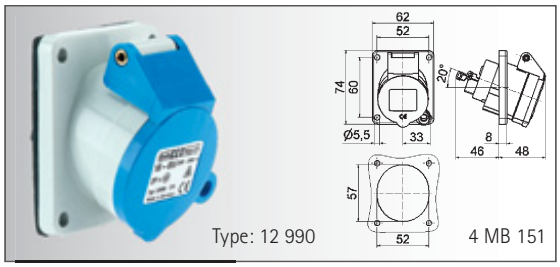
reference



Surface Mounting Socket Outlet

- screw terminals
- 16A 230V 3pol
- lockable with a padlock 5mm
- protection degree IP 44

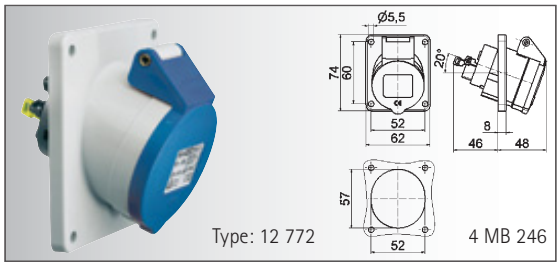
reference **11 9** | piece 10



Panel Mounting Socket Outlet Quick-Connect

- screwless terminals
- Kontex-terminals
- 16A 230V 3pol
- angled 20°
- lockable with a padlock 5mm
- Flange 74 x 62 mm
- drilling hole 60 x 52 mm
- protection degree IP 44

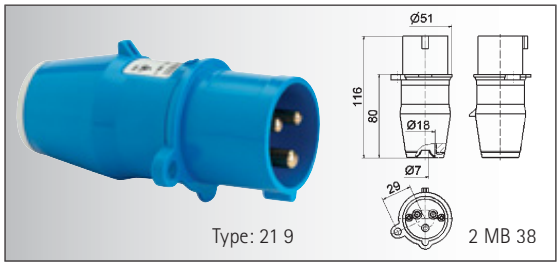
reference **12 990** | piece 10



Panel Mounting Socket Outlet Quick-Connect

- screwless terminals
- Kontex-terminals
- 16A 230V 3pol
- angled 20°
- Flange 74 x 62 mm
- drilling hole 60 x 52 mm
- protection degree IP 44

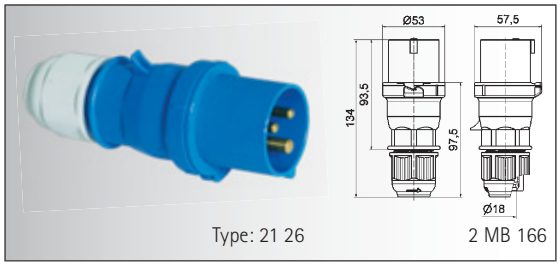
reference **12 772** | piece 10



Plug

- screw terminals
- 16A 230V 3pol
- with short cable sleeve
- lockable with a padlock 5mm
- protection degree IP 44

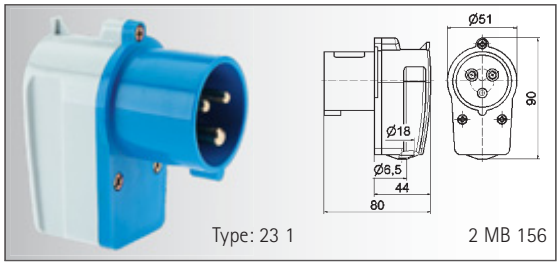
reference **21 9** | piece 10



Plug Quick-Connect with Multi-Grip

- screwless terminals
- special threaded fitting
- special gland, simultanous cable gland and seal
- 16A 230V 3pol
- protection degree IP 44

reference **21 26** | piece 10



Angled Connector

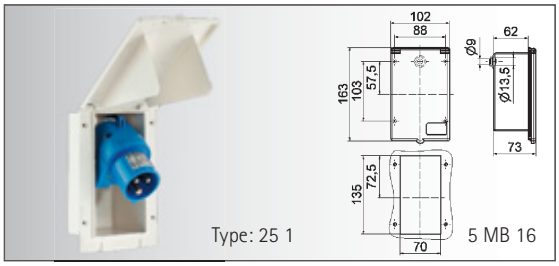
- screw terminals
- 16A 230V 3pol
- with short cable sleeve
- protection degree IP 44

reference **23 1** | piece 10

For further information please see Bals.com · Other voltages and frequencies are available on request.

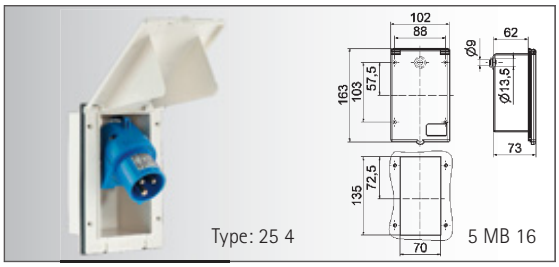
PLUGS AND SOCKETS FOR CAMPING-SITE

IEC 60309-1/2, EN 60309, VDE 0623
dimension, socket insert and hinged lid made of high grade plastic
protection degree IP 44



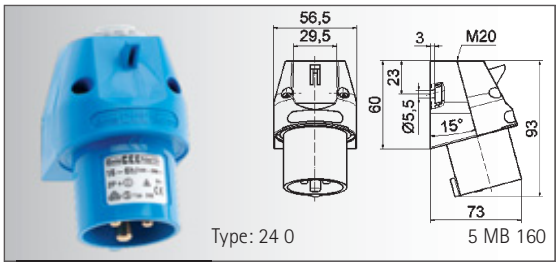
Built-in Appliance Inlet
- screw terminals
- 16A 230V 3pol
- swing-out
- protection degree IP 44

reference	piece
25 1	10



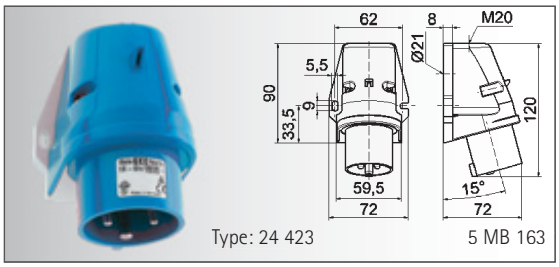
Built-in Appliance Inlet
- screw terminals
- 16A 230V 3pol
- swing-out
- with rubber gasket and frame
- for interim assembly
- protection degree IP 44

	reference	piece
housingcolour:		
white	25 4	10
brown	25 8	10
black	25 5	10



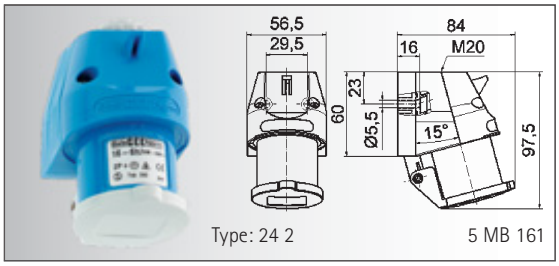
Surface Mounting Appliance Inlet
- screw terminals
- cable entry one on top (open), one at bottom (closed)
- 16A 230V 3pol
- protection degree IP 44

reference	piece
24 0	10



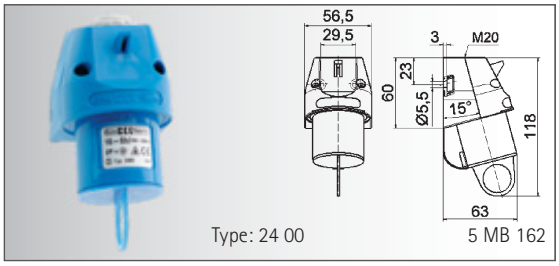
Surface Mounting Appliance Inlet Quick-Connect
- screwless terminals
- cable entry one on top (open), one at bottom (closed)
- 16A 230V 3pol
- protection degree IP 44

reference	piece
24 423	10



Surface Mounting Appliance Inlet
- screw terminals
- 16A 230V 3pol
- with self-closing hinged lid
- protection degree IP 44

reference	piece
24 2	10



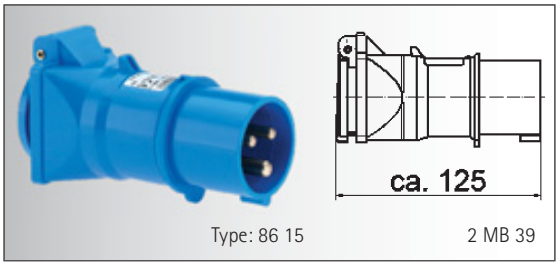
Surface Mounting Appliance Inlet
- screw terminals
- 16A 230V 3pol
- with closure cap
- protection degree IP 44

reference	piece
24 00	10

8

PLUGS AND SOCKETS FOR CAMPING-SITE

IEC 60309-1/2, EN 60309, VDE 0623
dimension, socket insert and hinged lid made of high grade plastic
protection degree IP 44



Adapter-Plug

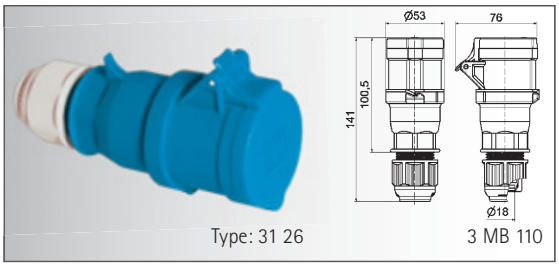
CEE-Plug 16A/ 230V/ 3p to socket-outlet Schuko type 16A/ 230V~

CEE-Plug 16A/ 230V/ 3p at socket-outlet Schuko type 16A/ 230V~, Belg./FrenchSystem (CEE 7)

CEE-Plug 16A/ 230V/ 3p to socket-outlet Schuko type 16A/ 230V~, Swiss System (Typ 13)

More adapter systems on request.

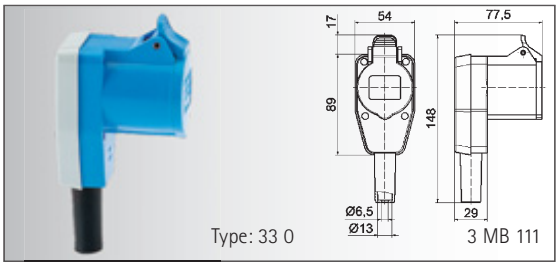
reference	piece
86 15	10
86 14	10
86 18	10



Connector Quick-Connect with Multi-Grip

- screwless terminals
- 16A 230V 3pol
- protection degree IP 44

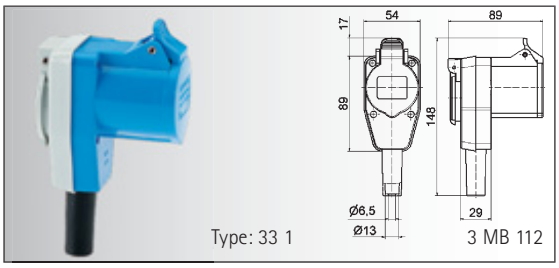
reference	piece
31 26	10



Angled Connector

- screw terminals
- 16A 230V 3pol
- with long cable sleeve
- protection degree IP 44

reference	piece
33 0	10



Angled Connector

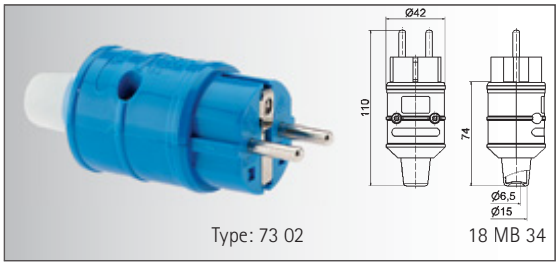
- screw terminals
- 16A 230V 3pol
- with short cable sleeve and incorporated socket-outlet Schuko type 16A, 230V~
- protection degree IP 44

reference	piece
33 1	10

For further information please see Bals.com · Other voltages and frequencies are available on request.

PLUGS AND SOCKETS FOR CAMPING-SITE

IEC 60309-1/2, EN 60309, VDE 0623
dimension, socket insert and hinged lid made of high grade plastic
protection degree IP 44

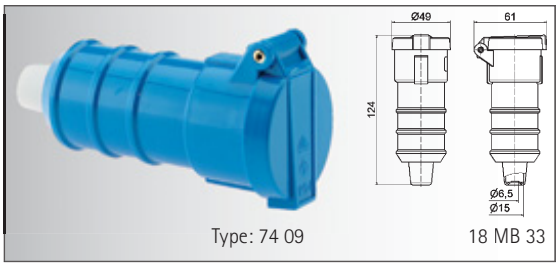


Type: 73 02 — 18 MB 34

Plug Schuko Type

- 16A 230V~
- with cable sleeve
- nickel plated contacts
- suitable for socket outlet Belg./ French System
- protection degree IP 44

	reference	piece
blue	73 02	20
grey	73 03	20

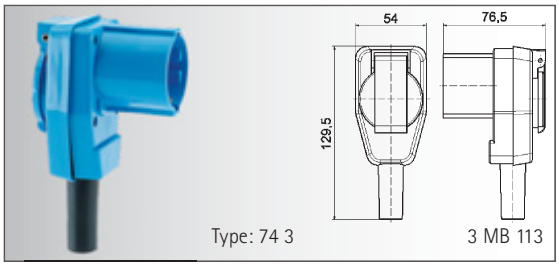


Type: 74 09 — 18 MB 33

Plug Schuko Type

- 16A 230V~ **German system**
- with self-locking hinged lid
- protection degree IP 44

	reference	piece
blue	74 09	20
grey	74 10	20
Belg./ French System		
blue	74 15	20



Type: 74 3 — 3 MB 113

Angled Connector Schuko Type
with incorporated
Socket-Outlet Schuko Type 16A 230V~

reference	piece
74 3	10



Type: 81 2

Extension cablequipped with
CEE-Plug 16A 230V 3p and **CEE-Connector** 16A 230V 3p

	reference
length 10 m with cabel H07RN-F3 G1,5[1)]	81 2
length 10 m with cabel H07RN-F3 G2,5	81 3
length 15 m with cabel H07RN-F3 G1,5[1)]	81 4
length 15 m with cabel H07RN-F3 G2,5	81 5
length 20 m with cabel H07RN-F3 G1,5[1)]	81 6
length 20 m with cabel H07RN-F3 G2,5	81 7
length 1,5 m with cabel H07RN-F3 G2,5 with **plug schuko type and connector schuko type**[1)]	81 78

1) not with standing from VDE 0100 part 708 chapter 4

8

DISTRIBUTION FOR CAMPING-SITE

IEC 60309-1/2, EN 60309, VDE 0623



Distributor for camping-site in stainless steel housing
on galvanized base 1,15 m
1 CEE socket outlet 16A 230V 3p
lockable by a padlock 5mm
full socket protection in hinged stainless steel housing

reference
56 753



Distributor for camping-site in stainless steel housing
on galvanized base 1,15 m
single lockable with a padlock 5mm
socket protection in hinged stainless steel housing

	reference
2 CEE-Socket Outlets 16A 230V 3p	56 288
3 CEE-Socket Outlets 16A 230V 3p	56 761
4 CEE-Socket Outlets 16A 230V 3p	56 407



Camping-Distributor in plastic-housing
housing 276 x 276 mm
made of impact-resistant, wheather-proof plastic
with hinged top cover and operating window
3 CEE-Socket Outlets 16A 230V 3p
3 RCCD 16/0,03A 2p B

reference
510 2087



Camping-Distributor in plastic-housing
housing 460 x 276 mm
made of impact-resistant, wheather-proof plastic
with self-closing operating window
6 CEE-Socket Outlets 16A 230V 3p
6 RCCD 16/0,03A 2p B

reference
510 2088

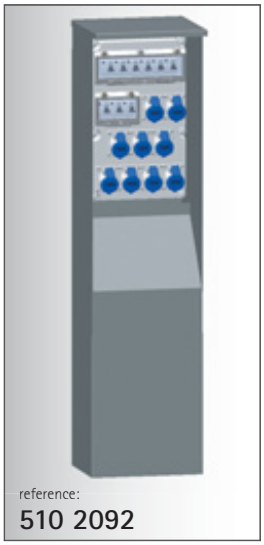


Camping-Distributor in plastic-housing
housing 460 x 276 mm
made of impact-resistant, wheather-proof plastic
with self-closing operating windows
9 CEE-Socket Outlets 16A 230V 3p
9 RCCD 16/0,03A 2p B

reference
510 2089

DISTRIBUTION FOR CAMPING-SITE

IEC 60309-1/2, EN 60309, VDE 0623



reference:
510 2092



reference:
510 2094

Distributor for camping-site in stainless steel housing

equipment:	reference housing open	reference housing with door
3 CEE-Socket Outlet 16A 230V 3p 3 RCCD 16/0,03A 2p B	510 2090	510 2093
6 CEE-Socket Outlet 16A 230V 3p 6 RCCD 16/0,03A 2p B	510 2091	510 2094
9 CEE-Socket Outlet 16A 230V 3p 9 RCCD 16/0,03A 2p B	510 2092	510 2095



reference:
560 511

Camping-Distributor in polyester-housing
with electronic counters

equipment:	reference
3 CEE-Socket Outlet 16A 230V 3p 3 RCCD 16/0,03A 2p B 3 electronic counter 1phase	560 510
6 CEE-Socket Outlet 16A 230V 3p 6 RCCD 16/0,03A 2p B 6 electronic counter 1phase	560 511
9 CEE-Socket Outlet 16A 230V 3p 9 RCCD 16/0,03A 2p B 9 electronic counter 1phase	560 512

Optional:

- Camping-Distributor in a galvanized steel housing, powder coated, colour on request
- Configuration on individual request, e.g. with electronic counter, electronic counting device on a control center and TV connection

8



PLUGS AND SOCKETS FOR REEFER CONTAINER

PLUGS AND SOCKETS FOR REEFER CONTAINER

Surface Mounting Socket Outlets, Panel Mounting Socket Outlets, Plugs, Appliance Inlets, Connectors

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Panel Mounting Socket Outlets Page 162



Plugs Page 162



Appliance Inlets Page 162



Connectors Page 163



Switched/ Interlocked Surface Socket Outlets Page 163



Phase Sequence Test Plugs Page 163



Preferred scopes

Construction Industry

Camping site



Industry

Building Services

Farming



Harbour and Shipbuilding

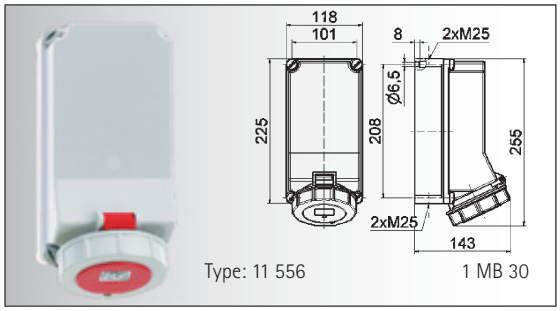
PLUGS AND SOCKETS FOR CONTAINER

Operating voltage of reefer container 400 - 440 V, clock position 3h
IEC 60309-1/2, EN 60309, VDE 0623

Poles 4 (3P+E)

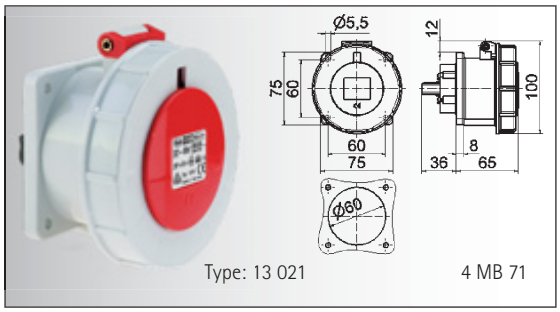
400V bis 440V 3h

Ampere	Poles		Qty	g each



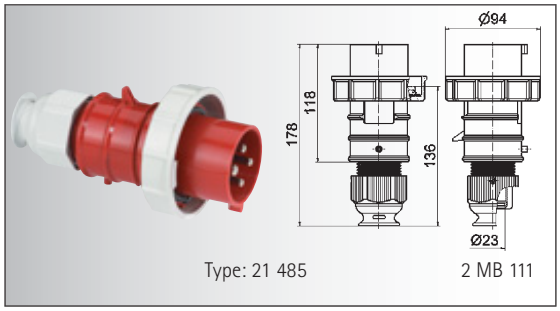
Type: 11 556 — 1 MB 30

Surface Mounting Socket Outlet TE — 32 — 4 — 11 556 — 1 — 845
- screw terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67



Type: 13 021 — 4 MB 71

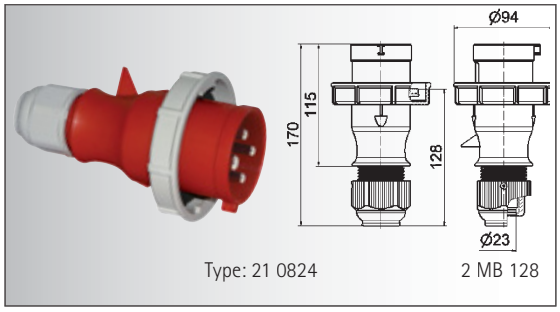
Panel Mounting Socket Outlet TE — 32 — 4 — 13 021 — 10 — 270
- screw terminals
- high temperature resistant contact carrier
- nickel plated contacts
- straight
- protection degree IP 67



Type: 21 485 — 2 MB 111

Plug TE with Multi-Grip — 32 — 4 — 21 485 — 10 — 320
- screw terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultaneous cable gland and seal
- protection degree IP 67

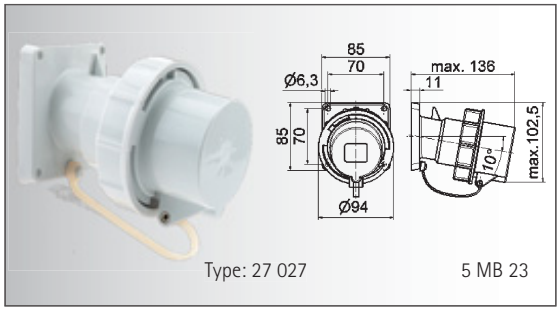
Accessories:
closure cap see page 244



Type: 21 0824 — 2 MB 128

Plug with Multi-Grip — 32 — 4 — 21 0824 — 10 — 255
- screw terminals
- one piece housing
- nickel plated contacts
- special gland, simultaneous cable gland and seal
- protection degree IP 67

Accessories:
closure cap see page 244



Type: 27 027 — 5 MB 23

Appliance Inlet with Flange TE — 32 — 4 — 27 027 — 10 — 330
- screw terminals
- with closure cap
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

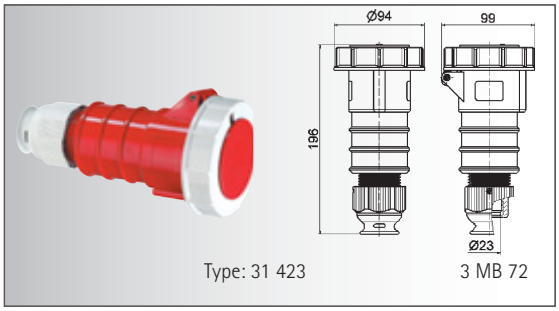
PLUGS AND SOCKETS FOR CONTAINER

Operating voltage of reefer container 400 - 440 V, clock position 3h
IEC 60309-1/2, EN 60309, VDE 0623

Poles 4 3P+E

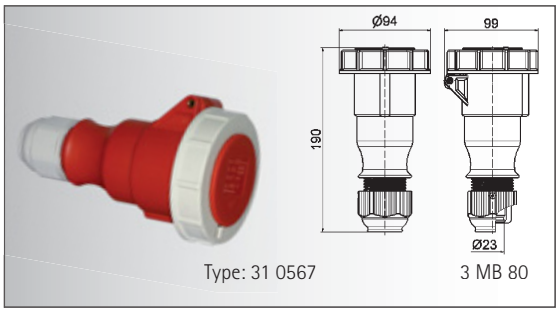
400V bis 440V 3h

Ampere	Poles		Qty	g each



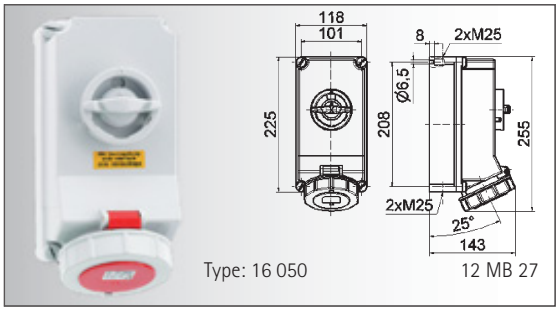
Connector TE with Multi-Grip
- screw terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultaneous cable gland and seal
- protection degree IP 67

32	4	31 423	10	390



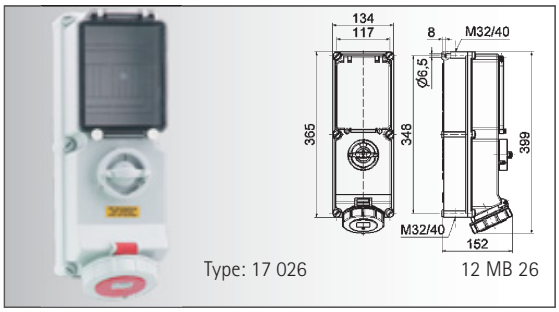
Connector with Multi-Grip
- screw terminals
- one piece housing
- nickel plated contacts
- special gland, simultaneous cable gland and seal
- protection degree IP 67

32	4	31 0567	10	334



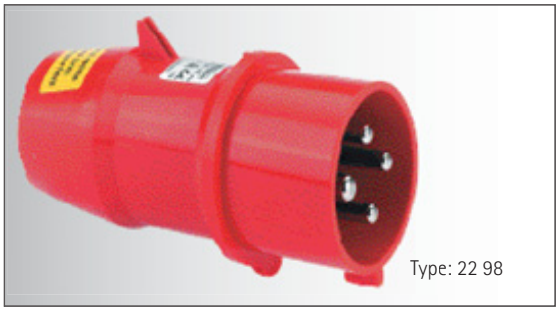
Surface Mounting Socket Outlet TE
- switched
- with mechanical double interlocking
- in 0-position lockable
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

32	4	16 050	1	1340



Surface Mounting Socket Outlet TE
- switched
- with mechanical double interlocking
- DIN rail (6 TE)
- with operating window
- in 0-position lockable
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

32	4	17 026	1	2550



Test plug
- for checking the switch board
- nickel plated contacts
- protection degree IP 44

32	4	22 98	10	265

9



PLUGS AND SOCKETS FOR HARSH ENVIRONMENTS

PLUGS AND SOCKETS FOR HARSH ENVIRONMENTS

Surface Socket Outlets, Panel Mounting Socket Outlets, Plugs, Appliance Inlets, Connectors

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Panel Mounting Socket Outlets
Page 168, 169



Plugs
Page 170



Appliance Inlets
Page 171



Connectors
Page 172



Sockets switched with mechanical interlocking
Page 173, 174



Sockets switched with mechanical interlocking and fused
Page 175 - 177



Preferred scopes



Construction Industry

Camping site



Industry

Building Services



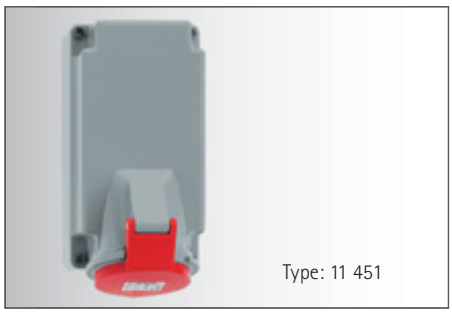
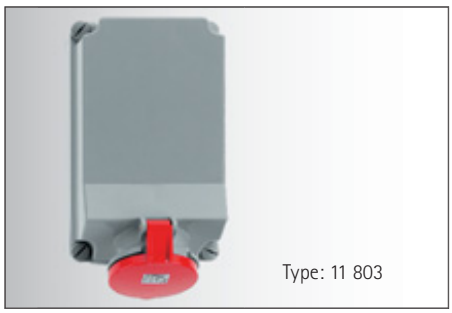
Farming



Harbour and Shipbuilding

SURFACE MOUNTING SOCKET OUTLETS

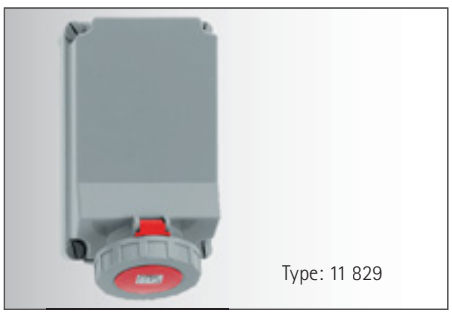
suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 44

	Poles		230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz		
	2P+E 3	3P+E 4	3P+N+E 5					
	Ampere	Poles	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	Qty	g each
 Type: 11 990	**Surface Mounting Socket Outlet Quick-Connect TE** • screwless terminals • Kontex-terminals • for through wiring • high temperature resistant contact carrier • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 44 drawing see page 22/5 (1 MB 2)	16	4	11 538	**11 485**	11 968	10	320
		16	5	11 972	**11 487**	11 973	10	340
		32	3	**11 977**	**11 978**	11 979	10	390
		32	4	11 983	**11 984**	11 985	10	410
		32	5	11 989	**11 990**	11 991	10	425
 Type: 11 799	**Surface Mounting Socket Outlet TE** • screw terminals • high temperature resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 44 drawing see page 26/1 (1 MB 4)	63	3	**11 796**			5	825
		63	4		**11 797**	11 798	5	885
		63	5		**11 799**		5	930
 Type: 11 451	**Surface Mounting Socket Outlet Quick-Connect TE** • screwless terminals • Kontex-terminals • for through wiring • high temperature resistant contact carrier • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 44 drawing see page 28/1 (1 MB 26)	16	3	**11 448**			1	380
		16	4	11 995	**11 449**	11 0018	1	400
		16	5		**11 451**		1	430
 Type: 11 0000	**Surface Mounting Socket Outlet Quick-Connect TE** • screwless terminals • Kontex-terminals • for through wiring • high temperature resistant contact carrier • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 44 drawing see page 28/2 (1 MB 27)	16	5		**11 0098**		1	680
		32	3	**11 997**			1	760
		32	4	**11 998**	**11 999**	11 0019	1	780
		32	5		**11 0000**		1	830
 Type: 11 803	**Surface Mounting Socket Outlet TE** • screw terminals • for through wiring • high temperature resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 44 drawing see page 28/3 (1 MB 28)	63	3	**11 800**			1	1700
		63	4		**11 801**	11 802	1	1730
		63	5		**11 803**		1	1770

Products 63A with PILOT contact use indicated part.-no. and add index „P".
For further information please see Bals.com · Other voltages and frequencies are available on request.

SURFACE MOUNTING SOCKET OUTLETS

suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 67

		Poles		230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz		
		2P+E 3	3P+E 4	3P+N+E 5				
		Ampere	Poles	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	Qty	g each
 Type: 11 455	**Surface Mounting Socket Outlet Quick-Connect TE** • screwless terminals • Kontex-terminals • for through wiring • high temperature resistant contact carrier • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 30/1 (1 MB 8)	16	3	**11 452**	11 0387	11 0388	1	410
		16	4	11 790	**11 453**	11 0020	1	430
		16	5		**11 455**		1	460
 Type: 11 0017	**Surface Mounting Socket Outlet Quick-Connect TE** • screwless terminals • Kontex-terminals • for through wiring • high temperature resistant contact carrier • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 30/2 (1 MB 14)	32	3	**11 0014**			1	780
		32	4		**11 0015**	11 0016	1	800
		32	5		**11 0017**		1	850
 Type: 11 825	**Surface Mounting Socket Outlet TE** • screw terminals • high temperature resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 26/4 (1 MB 3)	63	3	**11 822**			5	1050
		63	4		**11 823**	11 824	5	1100
		63	5		**11 825**		5	1180
 Type: 11 829	**Surface Mounting Socket Outlet TE** • screw terminals • for through wiring • high temperature resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 30/3 (1 MB 15)	63	3	**11 826**			1	1720
		63	4		**11 827**	11 828	1	1750
		63	5		**11 829**		1	1800
 Type: 11 815	**Surface Mounting Socket Outlet TE** • screw terminals • high temperature resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 30/6 (1 MB 10)	125	3	**11 812**			2	5300
		125	4		**11 813**	11 814	2	5350
		125	5		**11 815**		2	5500

10

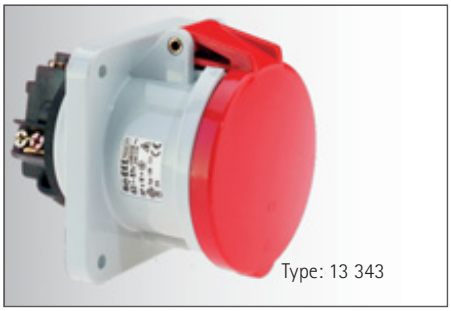
Products 63A and 125A with PILOT contact use indicated part.-no. and add index „P".

PANEL MOUNTING SOCKET OUTLETS

suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 44

Poles 2P+E 3	Poles 3P+E 4	Poles 3P+N+E 5	230V 50-60 Hz 3pol 4pol 5pol 6h 9h 9h	400V 50-60Hz 3pol 4pol 5pol 9h 6h 6h	500V 50-60Hz 3pol 4pol 5pol 7h 7h 7h	Qty	g each
Panel Mounting Socket Outlet Quick-Connect TE • screwless terminals • Kontex-terminals • Flange 75 x 75 mm • straight • high temp. resistant contact carrier • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 44 drawing see page 32/5 (4 MB 263)							
Ampere	Poles						
16	3		**13 144**			10	140
16	4		13 476	**13 334**	13 771	10	150
16	5			**13 336**	13 0111	10	170
32	3		**13 773**			10	215
32	4		13 774	**13 775**	13 776	10	230
32	5			**13 777**		10	260
Panel Mounting Socket Outlet TE • screw terminals • Flange 107 x 100 mm • straight • high temp. resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 44 drawing see page 36/2 (4 MB 8)							
63	3		**13 341**			5	495
63	4			**13 342**	13 344	5	555
63	5			**13 343**		5	600
Panel Mounting Socket Outlet Quick-Connect TE • screwless terminals • Kontex-terminals • Flange 74 x 62 mm on 16A 3p, 100 x 92 mm on the others • angled 20° • high temp. resistant contact carrier • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 44 drawing see page 34/5 (4 MB 112)							
16	3		**12 398**			10	120
16	4		12 876	**12 877**	12 878	10	175
16	5			**12 401**		10	195
32	3		**12 880**			10	230
32	4			**12 882**	12 883	10	250
32	5			**12 884**		10	265
Panel Mounting Socket Outlet TE • screw terminals • Flange 114 x 114 mm • angled 15° • high temperature resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 44 drawing see page 36/4 (4 MB 10)							
63	3		**12 405**			5	510
63	4			**12 406**	12 407	5	570
63	5			**12 408**		5	615


Type: 13 336


Type: 13 343

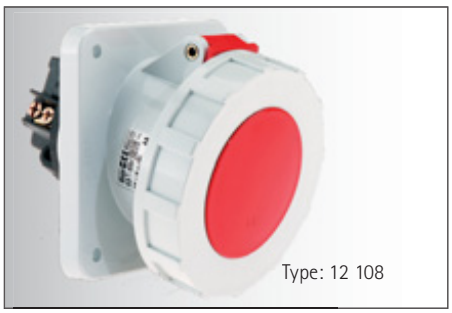

Type: 12 884


Type: 12 408

Products 63A with PILOT contact use indicated part.-no. and add index „P".
For further information please see Bals.com · Other voltages and frequencies are available on request.

PANEL MOUNTING SOCKET OUTLETS

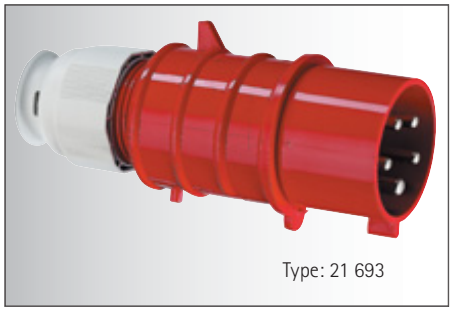
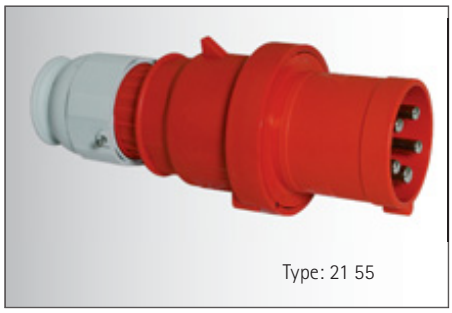
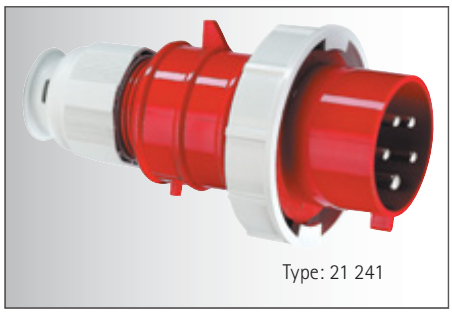
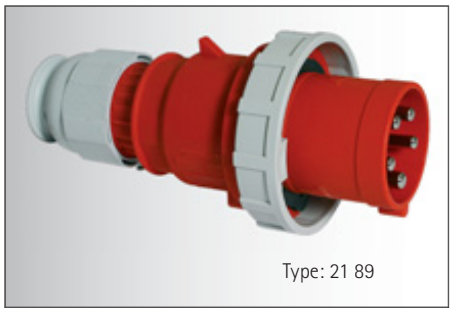
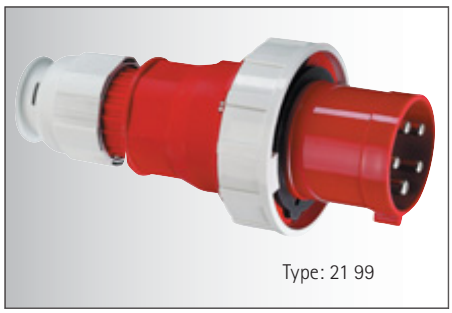
suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 67

	Poles		230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz		
	2P+E 3	3P+E 4	3P+N+E 5					
	Ampere	Poles	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	Qty	g each
 Type: 13 816	**Panel Mounting Socket Outlet Quick-Connect TE** • screwless terminals • Kontex-terminals • Flange 75 x 75 mm • straight • high temp. resistant contact carrier • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 38/3 (4 MB 105)	16	3	**13 156**			10	175
		16	4	13 083	**13 157**	13 810	10	190
		16	5		**13 159**		10	210
		32	3	**13 812**			10	280
		32	4	13 813	**13 814**	13 815	10	300
		32	5		**13 816**		10	350
 Type: 13 385	**Panel Mounting Socket Outlet TE** • screw terminals • Flange 107 x 100 mm • straight • high temp. resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 42/2 (4 MB 50)	63	3	**13 382**			5	535
		63	4		**13 383**	13 384	5	595
		63	5		**13 385**		5	640
 Type: 12 928	**Panel Mounting Socket Outlet Quick-Connect TE** • screwless terminals • Kontex-terminals • Flange 74 x 62 mm on 16A 3p, 100 x 92 mm on the others • angled 20° • high temp. resistant contact carrier • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 40/5 (4 MB 115)	16	3	**12 205**			10	160
		16	4	12 919	**12 920**	12 921	10	220
		16	5	12 0161	**12 922**	12 0159	10	250
		32	3	**12 924**			10	315
		32	4	12 925	**12 926**	12 927	10	330
		32	5	12 0162	**12 928**	12 0158	10	320
 Type: 12 160	**Panel Mounting Socket Outlet TE** • screw terminals • Flange 114 x 114 mm • angled 15° • high temp. resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 45/2 (4 MB 9)	63	3	**12 409**			5	560
		63	4		**12 410**	12 156	5	620
		63	5		**12 160**		5	665
 Type: 12 108	**Panel Mounting Socket Outlet TE** • screw terminals • Flange 114 x 114 mm • angled 15° • high temp. resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • external metal parts made of stainless steel • protection degree IP 67 drawing see page 45/5 (4 MB 9)	125	3	**12 100**	12 101		5	905
		125	4	12 103	**12 104**	12 105	5	965
		125	5	12 107	**12 108**	12 133	5	1070

Products 63A and 125A with PILOT contact use indicated part.-no. and add index „P".

PLUGS

suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623,
protection degree IP 44, IP 67

		Poles		230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz		
		2P+E 3	3P+E 4	3P+N+E 5				
		Ampere	Poles	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	Qty	g each
 Type: 21 693	**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 IP 44 drawing see page 48/4 (2 MB 93)	16	3	**21 686**	21 843	21 0169	10	150
		16	4	21 839	**21 687**	21 688	10	170
		16	5	21 840	**21 689**	21 0178	10	195
		32	3	**21 690**	21 844	21 0184	10	265
		32	4	21 841	**21 691**	21 692	10	280
		32	5	21 842	**21 693**	21 623	10	330
 Type: 21 55	**Plug TE with Multi-Grip** • screw terminals • high temperature resistant contact carrier • box terminal • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 44 drawing see page 48/5 (2 MB 158) **External cable gland please see page 244.**	63	3	**21 04**	21 025	21 0030	5	610
		63	4	21 50	**21 51**	21 52	5	680
		63	5	21 54	**21 55**	21 167	5	735
 Type: 21 241	**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 IP 67 drawing see page 50/2 (2 MB 94)	16	3	**21 238**	21 402	21 487	10	175
		16	4	21 250	**21 349**	21 350	10	200
		16	5	21 407	**21 239**	21 754	10	235
		32	3	**21 240**	21 409	21 486	10	310
		32	4	21 251	**21 351**	21 352	10	335
		32	5	21 414	**21 241**	21 282	10	385
 Type: 21 89	**Plug TE with Multi-Grip** • screw terminals • high temperature resistant contact carrier • box terminal • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 67 drawing see page 50/4 (2 MB 159) **External cable gland please see page 244.**	63	3	**21 81**	21 82	21 330	5	685
		63	4	21 84	**21 85**	21 86	5	740
		63	5	21 88	**21 89**	21 060	5	800
 Type: 21 99	**Plug TE with Multi-Grip** • screw terminals • high temperature resistant contact carrier • box terminal • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 67 drawing see page 50/5 (2 MB 104) **External cable gland please see page 244.**	125	3	**21 91**	21 92		5	1105
		125	4	21 94	**21 95**	21 96	5	1210
		125	5	21 98	**21 99**	21 555	5	1325

APPLIANCE INLETS

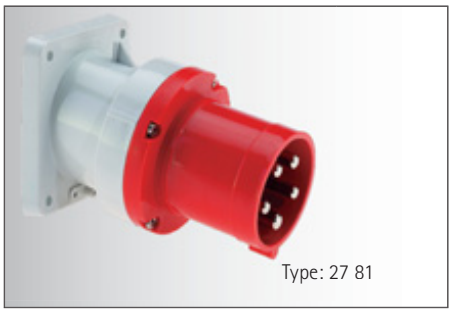
suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623,
protection degree IP 44, IP 67


Type: 27 249

Appliance Inlet with Flange Quick-Connect TE
- screwless terminals
- angled 10°
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

drawing see page 60/1 (5 MB 21)

Ampere	Poles	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60Hz 3pol 9h	400V 50-60Hz 4pol 6h	400V 50-60Hz 5pol 6h	500V 50-60Hz 3pol 7h	500V 50-60Hz 4pol 7h	500V 50-60Hz 5pol 7h	Qty	g each
16	3	**27 121**			27 210						10	140
16	4		27 207			**27 122**			27 212		10	215
16	5		27 216			**27 124**			27 217		10	240
32	3	**27 219**			27 220						10	275
32	4		27 222			**27 223**			27 224		10	290
32	5		27 248			**27 249**					10	315


Type: 27 81

Appliance Inlet with Flange TE
- screw terminals
- angled 10°
- high temperature resistant contact carrier
- box terminal
- nickel plated contacts
- protection degree IP 44

drawing see page 60/2 (5 MB 21)

Ampere	Poles	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60Hz 3pol 9h	400V 50-60Hz 4pol 6h	400V 50-60Hz 5pol 6h	500V 50-60Hz 3pol 7h	500V 50-60Hz 4pol 7h	500V 50-60Hz 5pol 7h	Qty	g each
63	3	**27 71**			27 72						5	550
63	4		27 74			**27 75**			27 76		5	620
63	5		27 80			**27 81**					5	675


Type: 27 246

Appliance Inlet with Flange Quick-Connect TE
- screwless terminals
- angled 10°
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244
drawing see page 60/3 (5 MB 22)

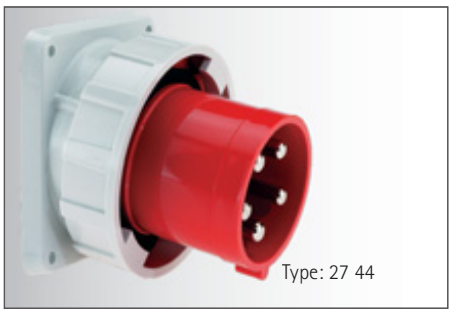
Ampere	Poles	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60Hz 3pol 9h	400V 50-60Hz 4pol 6h	400V 50-60Hz 5pol 6h	500V 50-60Hz 3pol 7h	500V 50-60Hz 4pol 7h	500V 50-60Hz 5pol 7h	Qty	g each
16	3	**27 83**			27 228						10	215
16	4		27 86			**27 87**			27 230		10	245
16	5		27 234			**27 93**			27 278		10	275
32	3	**27 236**			27 237						10	330
32	4		27 239			**27 240**			27 241		10	350
32	5		27 245			**27 246**					10	400


Type: 27 017

Appliance Inlet with Flange TE
- screw terminals
- angled 10°
- high temperature resistant contact carrier
- box terminal
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244
drawing see page 60/4 (5 MB 22)

Ampere	Poles	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60Hz 3pol 9h	400V 50-60Hz 4pol 6h	400V 50-60Hz 5pol 6h	500V 50-60Hz 3pol 7h	500V 50-60Hz 4pol 7h	500V 50-60Hz 5pol 7h	Qty	g each
63	3	**27 007**			27 008						5	615
63	4		27 010			**27 011**			27 012		5	685
63	5		27 016			**27 017**					5	740


Type: 27 44

Appliance Inlet with Flange TE
- screw terminals
- angled 10°
- high temperature resistant contact carrier
- box terminal
- nickel plated contacts
- protection degree IP 67

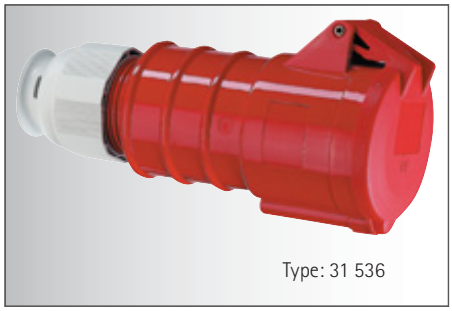
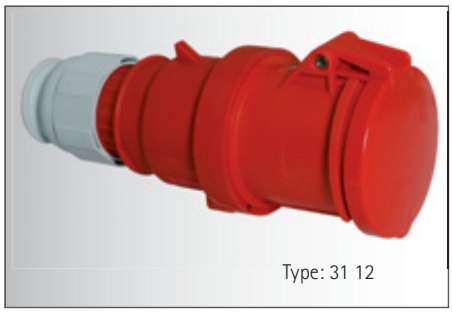
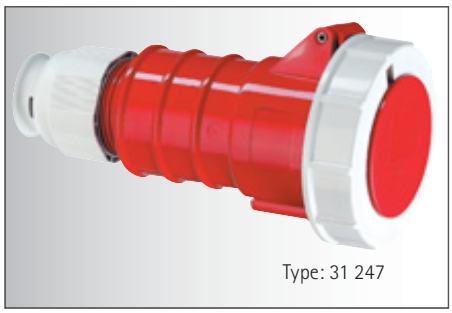
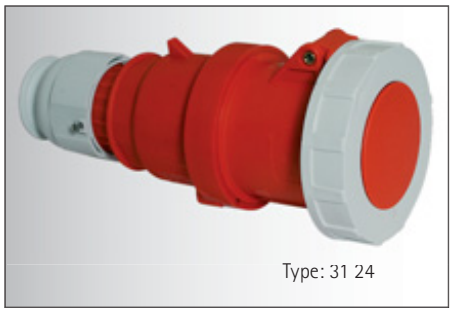
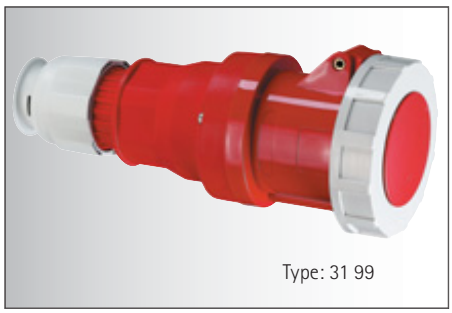
Accessories:
closure cap see page 244
drawing see page 60/5 (5 MB 56)

Ampere	Poles	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60Hz 3pol 9h	400V 50-60Hz 4pol 6h	400V 50-60Hz 5pol 6h	500V 50-60Hz 3pol 7h	500V 50-60Hz 4pol 7h	500V 50-60Hz 5pol 7h	Qty	g each
125	3	**27 36**			27 37						5	1080
125	4		27 39			**27 40**			27 41		5	1140
125	5		27 43			**27 44**			27 024		5	1265

Bals ELEKTROTECHNIK

CONNECTORS

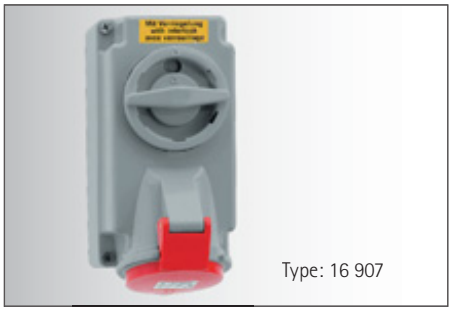
suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623,
protection degree IP 44, IP 67

	Poles		230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz		
	2P+E	3P+E 3P+N+E	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
	Ampere	Poles	6h 9h 9h	9h 6h 6h	7h 7h 7h		
 Type: 31 536	**Connector TE-Plus with Multi-Grip** • screwless terminals • high temperature resistant contact carrier • Kontex-terminals • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 44 drawing see page 70/3 (3 MB 62)	16	3	**31 533**	31 665	31 955	10	155
		16	4	31 661	**31 534**	31 959	10	195
		16	5	31 662	**31 536**	31 964	10	225
		32	3	**31 968**	31 666	31 970	10	290
		32	4	31 974	**31 975**	31 976	10	310
		32	5	31 664	**31 981**	31 884	10	350
 Type: 31 12	**Connector TE with Multi-Grip** • screw terminals • high temperature resistant contact carrier • Kontex-Plus • box terminal • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 44 drawing see page 70/4 (3 MB 107) **External cable gland please see page 244.**	63	3	**31 04**	31 09	31 723	5	670
		63	4	31 50	**31 51**	31 52	5	730
		63	5	31 54	**31 12**	31 086	5	775
 Type: 31 247	**Connector TE-Plus with Multi-Grip** • screwless terminals • high temperature resistant contact carrier • Kontex-terminals • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 67 drawing see page 72/2 (3 MB 63)	16	3	**31 240**	31 299	31 457	10	195
		16	4	31 302	**31 241**	31 242	10	230
		16	5	31 306	**31 243**	31 501	10	265
		32	3	**31 244**	31 308		10	355
		32	4	31 310	**31 245**	31 246	10	375
		32	5	31 314	**31 247**	31 207	10	420
 Type: 31 24	**Connector TE with Multi-Grip** • screw terminals • high temperature resistant contact carrier • box terminal • Kontex-terminals • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 67 drawing see page 72/3 (3 MB 109) **External cable gland please see page 244.**	63	3	**31 81**	31 82	31 724	5	725
		63	4	31 84	**31 85**	31 86	5	785
		63	5	31 88	**31 24**	31 082	5	830
 Type: 31 99	**Connector TE with Multi-Grip** • screw terminals • high temperature resistant contact carrier • box terminal • Kontex-Plus • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 67 drawing see page 72/5 (3 MB 69) **External cable gland please see page 244.**	125	3	**31 91**	31 92		5	1130
		125	4	31 94	**31 95**	31 96	5	1230
		125	5	31 98	**31 99**	31 417	5	1350

Products 63A and 125A with PILOT contact use indicated part.-no. and add index „P".
For further information please see Bals.com · Other voltages and frequencies are available on request.

SURFACE MOUNTING SOCKET OUTLETS

switched, interlocked
suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 44

		Poles	230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz		
		2P+E 3 / 3P+E 4 / 3P+N+E 5	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	Qty	g each
		Ampere	Poles				
 Type: 16 907	**Surface Mounting Socket Outlet** • switched • with mechanical double interlocking • in 0-position lockable • opening direction of the hinged lid is dirt-repellent • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 44 drawing see page 94/1 (12 MB 3)	16	3	**16 902**			1	640
		16	4	16 903	**16 904**	16 905	1	720
		16	5	16 906	**16 907**		1	730
 Type: 16 0180	**Surface Mounting Socket Outlet** • switched • with mechanical double interlocking • in 0-position lockable • opening direction of the hinged lid is dirt-repellent • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 44 drawing see page 94/2 (12 MB 24)	16	4	16 908	**16 909**	16 910	1	1150
		16	5		**16 0180**		1	1160
 Type: 16 0181	**Surface Mounting Socket Outlet** • switched • with mechanical double interlocking • in 0-position lockable • opening direction of the hinged lid is dirt-repellent • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 44 drawing see page 94/3 (12 MB 24)	32	4	16 894	**16 851**	16 850	1	1280
		32	5		**16 0181**		1	1290
 Type: 16 901	**Surface Mounting Socket Outlet** • switched • with mechanical double interlocking • in 0-position lockable • opening direction of the hinged lid is dirt-repellent • high temperature resistant contact carrier • Kontex-Plus and box terminal • nickel plated contacts • protection degree IP 44 drawing see page 94/4 (12 MB 30)	63	4	16 898	**16 899**	16 900	1	2900
		63	5		**16 901**		1	3030

10

Products 63A with PILOT contact use indicated part.-no. and add index „P".
For further information please see Bals.com · Other voltages and frequencies are available on request.

SURFACE MOUNTING SOCKET OUTLETS

switched, interlocked
suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 67

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


Type: 16 916

Surface Mounting Socket Outlet
- switched
- with mechanical double interlocking
- in 0-position lockable
- opening direction of the hinged lid is dirt-repellent
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

drawing see page 100/1 (12 MB 6)

Ampere	Poles	230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz	Qty	g each
16	3	**16 911**			1	740
16	4	16 912	**16 913**	16 914	1	770
16	5	16 915	**16 916**		1	780


Type: 16 0182

Surface Mounting Socket Outlet
- switched
- with mechanical double interlocking
- in 0-position lockable
- opening direction of the hinged lid is dirt-repellent
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

drawing see page 100/2 (12 MB 11)

Ampere	Poles	230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz	Qty	g each
16	4	16 917	**16 918**	16 919	1	1170
16	5		**16 0182**		1	1190


Type: 16 0184

Surface Mounting Socket Outlet
- switched
- with mechanical double interlocking
- in 0-position lockable
- opening direction of the hinged lid is dirt-repellent
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

drawing see page 100/3 (12 MB 11)

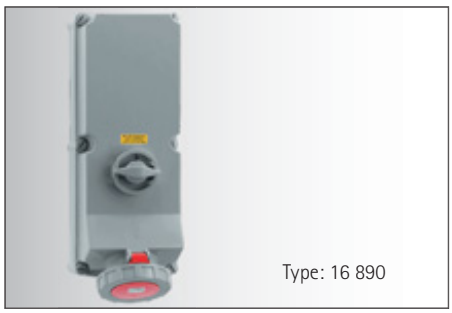
Ampere	Poles	230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz	Qty	g each
32	4	16 879	**16 0183**	16 881	1	1340
32	5		**16 0184**		1	1350


Type: 16 886

Surface Mounting Socket Outlet
- switched
- with mechanical double interlocking
- in 0-position lockable
- opening direction of the hinged lid is dirt-repellent
- high temperature resistant contact carrier
- Kontex-Plus and box terminal
- nickel plated contacts
- protection degree IP 67

drawing see page 100/4 (12 MB 10)

Ampere	Poles	230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz	Qty	g each
63	4	16 883	**16 884**	16 885	1	2960
63	5		**16 886**		1	3100


Type: 16 890

Surface Mounting Socket Outlet
- switched
- with mechanical double interlocking
- in 0-position lockable
- opening direction of the hinged lid is dirt-repellent
- high temperature resistant contact carrier
- Kontex-Plus and box terminal
- nickel plated contacts
- protection degree IP 67

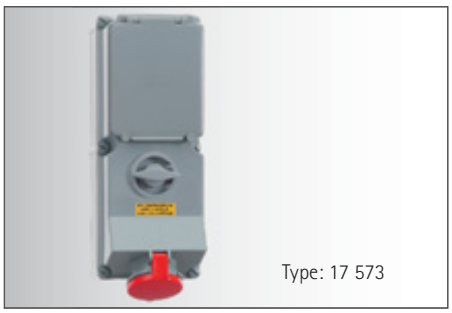
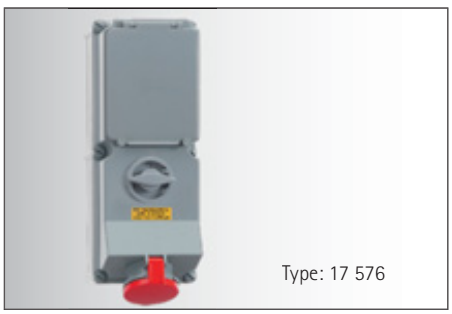
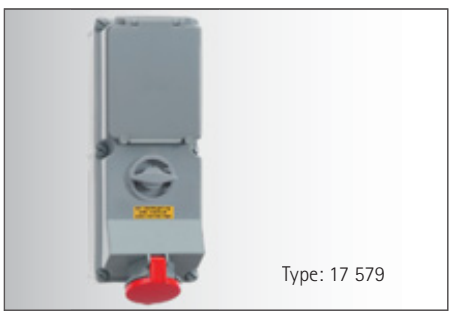
drawing see page 100/5 (12 MB 5)

Ampere	Poles	230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz	Qty	g each
125	4	16 887	**16 888**	16 889	2	5800
125	5		**16 890**		2	5900

Products 63A and 125A with PILOT contact use indicated part.-no. and add index „P".
For further information please see Bals.com · Other voltages and frequencies are available on request.

SURFACE MOUNTING SOCKET OUTLETS

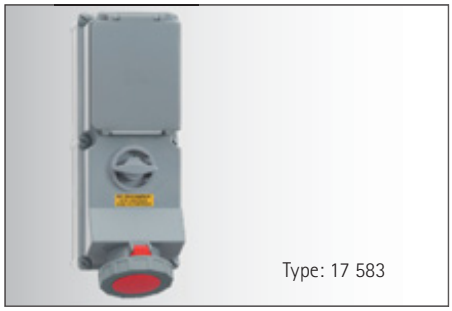
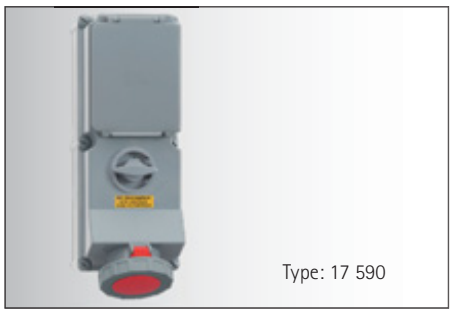
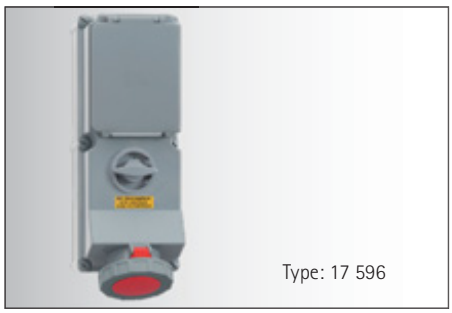
switched, interlocked, fused
suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 44

	Poles		230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz		
	2P+E	3P+E 3P+N+E	3pol 4pol 5pol 6h 9h 9h	3pol 4pol 5pol 9h 6h 6h	3pol 4pol 5pol 7h 7h 7h	Qty	g each
	Ampere	Poles					
 Type: 17 566	16	4	17 605	**17 606**	17 607	1	2000
Surface Mounting Socket Outlet • switched, interlocked • in 0-position lockable • with DIN rail 6 modules on 16A and 32A, 8 modules on 63A • high temperature resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 44 drawing see page 102/1 (12 MB 21)	16	5		**17 608**		1	2010
	32	4	17 609	**17 610**	17 611	1	2150
	32	5		**17 612**		1	2160
	63	4	17 563	**17 564**	17 565	2	4500
	63	5		**17 566**		2	4650
 Type: 17 569	16	4	17 613	**17 614**		1	2240
Surface Mounting Socket Outlet • switched, interlocked • in 0-position lockable • with fuse base D 01 on 16A, D 02 on 32A and 63A • high temperature resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 44 drawing see page 102/2 (12 MB 21)	16	5		**17 615**		1	2250
	32	4	17 616	**17 617**		1	2450
	32	5		**17 618**		1	2460
	63	4	17 567	**17 568**		2	4800
	63	5		**17 569**		2	4900
 Type: 17 573	16	4	17 619	**17 620**	17 621	1	2400
Surface Mounting Socket Outlet • switched, interlocked • in 0-position lockable • with fuse base D II on 16A, D III on 32A and 63A • high temperature resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 44 drawing see page 102/3 (12 MB 21)	16	5		**17 622**		1	2410
	32	4	17 623	**17 624**	17 625	1	2770
	32	5		**17 626**		1	2780
	63	4	17 570	**17 571**	17 572	2	5100
	63	5		**17 573**		2	5250
 Type: 17 576	16	4	17 627	**17 628**		1	2380
Surface Mounting Socket Outlet • switched, interlocked • in 0-position lockable • with MCB C charac. 3pole • high temperature resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 44 drawing see page 102/4 (12 MB 21)	16	5		**17 629**		1	2390
	32	4	17 630	**17 631**		1	2520
	32	5		**17 632**		1	2530
	63	4	17 574	**17 575**		2	5000
	63	5		**17 576**		2	5100
 Type: 17 579	16	4	17 633	**17 634**		1	2690
Surface Mounting Socket Outlet • switched, interlocked • in 0-position lockable • 3pol. MCB „C" char. and RCD 25/0,03A on 16A, 3pol. MCB „C" char. and RCD 40/0,03A on 32A, 3pol. D 02 and RCD 63/0,03A on 63A • high temp. resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 44 drawing see page 102/5 (12 MB 21)	16	5		**17 635**		1	2700
	32	4	17 636	**17 637**		1	2880
	32	5		**17 638**		1	2900
	63	4	17 577	**17 578**		2	5200
	63	5		**17 579**		2	5350

Products 63A with PILOT contact use indicated part.-no. and add index „P".
For further information please see Bals.com · Other voltages and frequencies are available on request.

SURFACE MOUNTING SOCKET OUTLETS

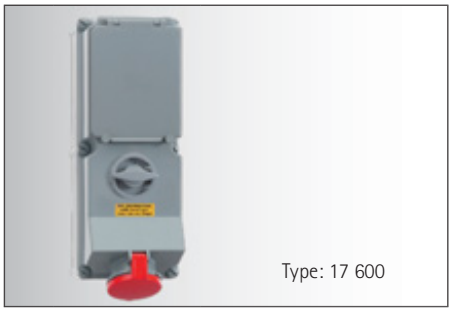
switched, interlocked, fused
suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 67

	Poles		230V 50-60 Hz	400V 50-60Hz	500V 50-60Hz		
	2P+E	3P+E 3P+N+E	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	Qty	g each
	Ampere	Poles	6h 9h 9h	9h 6h 6h	7h 7h 7h		
 Type: 17 583	**Surface Mounting Socket Outlet** • switched, interlocked • in 0-position lockable • with DIN rail 6 modules at 16A and 32A, 8 modules at 63A • high temperature resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 67 drawing see page 104/1 (12 MB 12)	16	4	17 639	**17 640**	17 641	1	2020
		16	5		**17 642**		1	2030
		32	4	17 643	**17 644**	17 645	1	2200
		32	5		**17 646**		1	2220
		63	4	17 580	**17 581**	17 582	2	4600
		63	5		**17 583**		2	4700
 Type: 17 586	**Surface Mounting Socket Outlet** • switched, interlocked • in 0-position lockable • with fuse base D 01 at 16A, D 02 at 32A and 63A • high temperature resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 67 drawing see page 104/2 (12 MB 12)	16	4	17 647	**17 648**		1	2260
		16	5		**17 649**		1	2300
		32	4	17 650	**17 651**		1	2500
		32	5		**17 652**		1	2520
		63	4	17 584	**17 585**		2	4850
		63	5		**17 586**		2	5000
 Type: 17 590	**Surface Mounting Socket Outlet** • switched, interlocked • in 0-position lockable • with fuse base D II at 16A, D III at 32A and 63A • high temperature resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 67 drawing see page 104/3 (12 MB 12)	16	4	17 653	**17 654**	17 655	1	2420
		16	5		**17 656**		1	2430
		32	4	17 657	**17 658**	17 659	1	2820
		32	5		**17 660**		1	2840
		63	4	17 587	**17 588**	17 589	2	5150
		63	5		**17 590**		2	5300
 Type: 17 593	**Surface Mounting Socket Outlet** • switched, interlocked • in 0-position lockable • with MCB „C" charac. 3pole • high temperature resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 67 drawing see page 104/4 (12 MB 12)	16	4	17 661	**17 662**		1	2400
		16	5		**17 663**		1	2430
		32	4	17 664	**17 665**		1	2580
		32	5		**17 666**		1	2600
		63	4	17 591	**17 592**		2	5050
		63	5		**17 593**		2	5200
 Type: 17 596	**Surface Mounting Socket Outlet** • switched, interlocked • in 0-position lockable • 3pol. MCB „C" char. and RCD 25/0,03A at 16A, 3pol. MCB „C" char. and RCD 40/0,03A at 32A, 3pol. D 02 and RCD 63/0,03A at 63A • high temp. resistant contact carrier • nickel plated contacts • 63A: box terminal and Kontex-Plus • protection degree IP 67 drawing see page 104/5 (12 MB 12)	16	4	17 667	**17 668**		1	2720
		16	5		**17 669**		1	2730
		32	4	17 670	**17 671**		1	2950
		32	5		**17 672**		1	2970
		63	4	17 594	**17 595**		2	5250
		63	5		**17 596**		2	5400
 Type: 17 604	**Surface Mounting Socket Outlet** • switched, interlocked • in 0-position lockable • with Sicherungslastrennschalter NH00 • high temperature resistant contact carrier • nickel plated contacts • box terminal and Kontex-Plus • protection degree IP 67 drawing see page 104/1 (12 MB 12)	63	4	17 601	**17 602**	17 603	1	5400
		63	5		**17 604**		1	5500

Products 63A with PILOT contact use indicated part.-no. and add index „P".
For further information please see Bals.com · Other voltages and frequencies are available on request.

SURFACE MOUNTING SOCKET OUTLETS

switched, interlocked, fused
suitable for harsh operating conditions,
especially resistant against agressive ambience
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 67



Type: 17 600

Surface Mounting Socket Outlet

- switched, interlocked
- in 0-position lockable
- with fuse circuit breaker NH00
- high temperature resistant contact carrier
- nickel plated contacts
- box terminal and Kontex-Plus
- protection degree IP 44

drawing see page 102/1 (12 MB 21)

Poles 2P+E Ampere	Poles 3P+E Poles	Poles 3P+N+E	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60Hz 3pol 9h	400V 50-60Hz 4pol 6h	400V 50-60Hz 5pol 6h	500V 50-60Hz 3pol 7h	500V 50-60Hz 4pol 7h	500V 50-60Hz 5pol 7h	Qty	g each
63	4		17 597			**17 598**			17 599			1	5300
63	5					**17 600**						1	5450

Products 63A with PILOT contact use indicated part.-no. and add index „P".
For further information please see Bals.com · Other voltages and frequencies are available on request.



PLUGS AND SOCKETS FOR ZONE 1, 2, 21 AND 22

PLUGS AND SOCKETS FOR ZONE 1, 2, 21 AND 22

switched-interlocked Surface Mounting SocketOutlet

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Plugs Zone 22 Page 180, 181



Surface Mounting Socket Outlets Zone 1, 2 and 21 Page 182, 183



Panel Mounting Socket Outlets Zone 1, 2 and 21 Page 182, 183



Plugs Zone 1, 2 and 21 Page 184, 185



Preferred scopes

Construction Industry

Camping site



Industry

Building Services



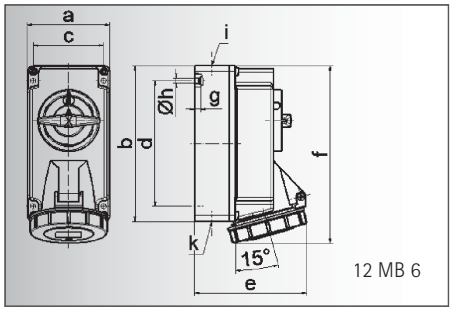
Farming



Harbour and Shipbuilding

SURFACE MOUNTING SOCKET OUTLETS AND PLUGS FOR DUST AREAS- (ZONE 22)

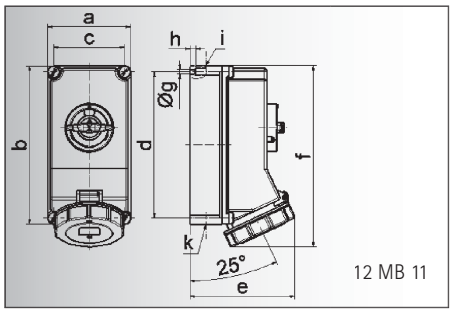
IEC 60309-1/2, EN 60309, VDE 0623, housing and socket insert made of high grade plastic, hinged cover opens from front and reduces potential accumulation of dust, moisture or dirt inside cover, protection degree IP 67



12 MB 6

Ampere	16	16	16
Poles	3	4	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	M 20	M 20	M 20
k	M 20/25	M 20/25	M 20/25

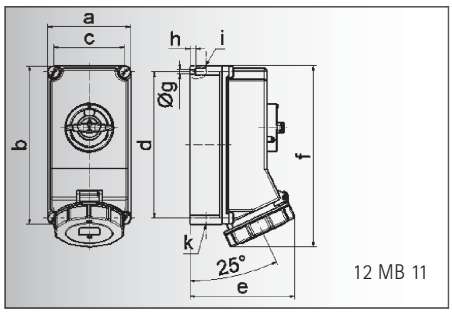
Surface Mounting Socket Outlet Zone 22
- switched
- in 0-position lockable
- with mechanical double interlocking
- protection degree IP 67



12 MB 11

Ampere	16	16
Poles	4	5
a	118,0	118,0
b	225,0	225,0
c	101,0	101,0
d	208,0	208,0
e	127,0	134,0
f	245,0	245,0
g ø	6,5	6,5
h	8,0	8,0
i	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25

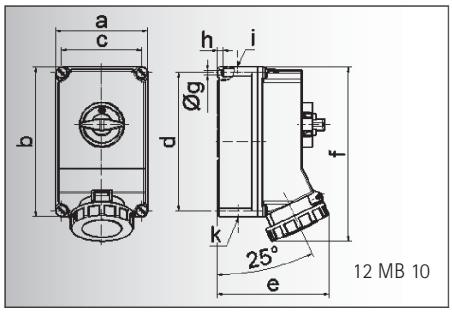
Surface Mounting Socket Outlet Zone 22
- switched
- in 0-position lockable
- with mechanical double interlocking
- protection degree IP 67



12 MB 11

Ampere	32	32	32
Poles	3	4	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	2 x M 25	2 x M 25	2 x M 25
k	2 x M 25	2 x M 25	2 x M 25

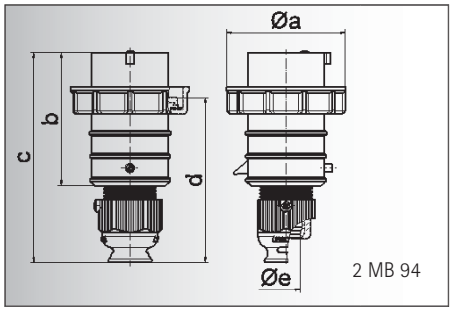
Surface Mounting Socket Outlet Zone 22
- switched
- in 0-position lockable
- with mechanical double interlocking
- protection degree IP 67



12 MB 10

Ampere	63	63	63
Poles	3	4	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 ø	8,1	8,1	8,1
h	10,0	10,0	10,0
i	M40	M 40	M 40
k	M 32/40	M 32/40	M 32/40

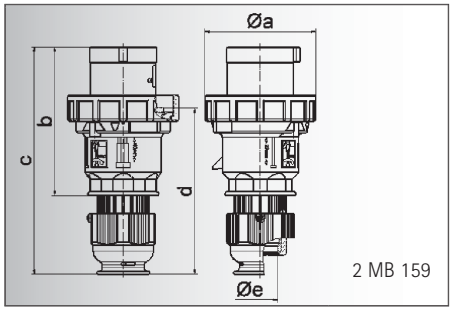
Surface Mounting Socket Outlet Zone 22
- switched
- in 0-position lockable
- with mechanical double interlocking
- Kontex-Plus
- box terminal
- protection degree IP 67



2 MB 94

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	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 TE-PLUS with Multi-Grip Zone 22
- screwless terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultaneous cable gland and seal
- protection degree IP 67



2 MB 159

Ampere	63	63	63
Poles	3	4	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

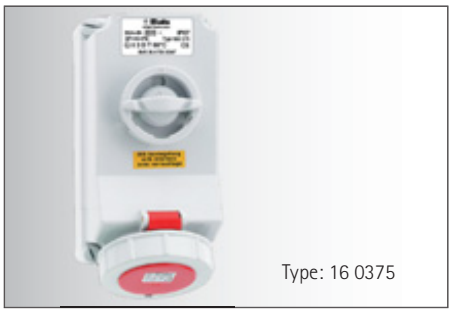
Plug TE with Multi-Grip Zone 22
- screw terminals
- box terminal
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultaneous cable gland and seal
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

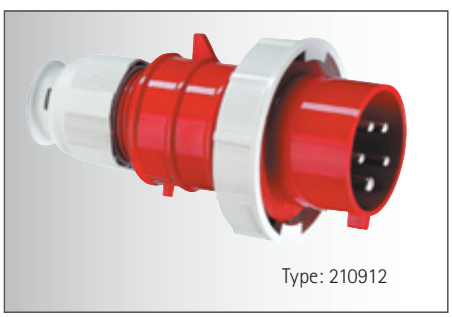
Poles		110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz	500V 50-60 Hz	690V 50-60 Hz	301-500Hz > 50V		
2P+E 3	3P+E 4	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	3pol 4pol 5pol	4pol	3pol 4pol 5pol	Qty	g each
Ampere	Poles	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	5h	2h 2h 2h		
16	3		**16 0371**					1	740
16	4			**16 0372**				1	770
16	5			**16 0373**				1	780
16	4			**16 0374**	16 0426			1	1170
16	5			**16 0375**				1	1190
32	3		**16 0376**					1	1320
32	4			**16 0377**	16 0428			1	1340
32	5			**16 0378**				1	1350
63	3		**16 0379**					1	2900
63	4			**16 0380**	16 0430			1	2960
63	5			**16 0381**				1	3100
16	3		**21 0907**					10	175
16	4			**21 0908**	21 0958			10	200
16	5			**21 0909**				10	235
32	3		**21 0910**					10	310
32	4			**21 0911**	21 0959			10	335
32	5			**21 0912**				10	385
63	3		**21 0913**					5	685
63	4			**21 0914**	21 0960	21 0961		5	740
63	5			**21 0915**				5	800

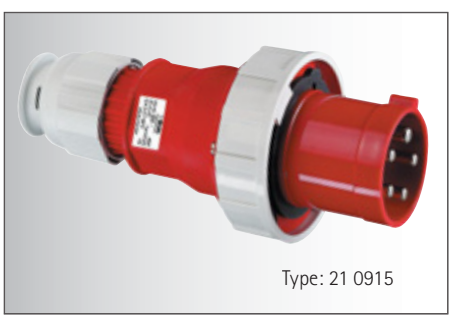

Type: 16 0373


Type: 16 0375


Type: 16 0378


Type: 16 0381


Type: 210912


Type: 21 0915

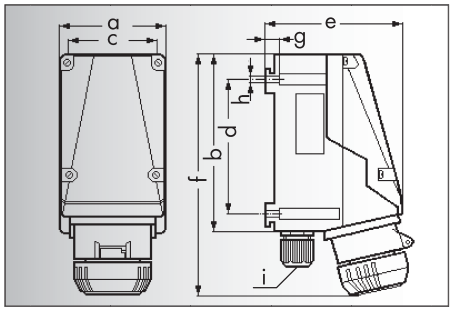
External cable gland please see page 244.

For further information please see Bals.com · Other voltages and frequencies are available on request.

SURFACE AND PANEL MOUNTING SOCKET OUTLETS

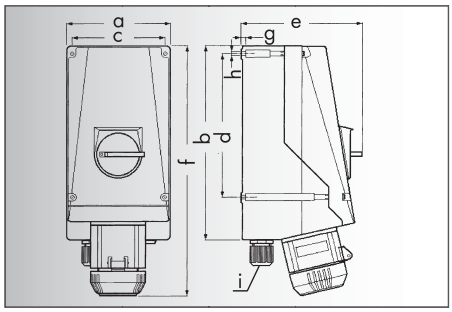
IEC 60309-1/2, directive 94/9/EG

Zone 1, 2, 21



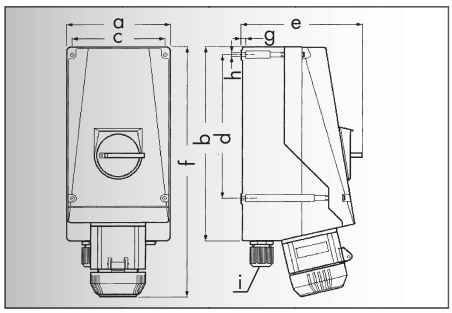
Ampere	16	16	16	32	32
Poles	3	4	5	4	5
a	90,0	110,0	110,0	120,0	120,0
b	155,0	175,0	175,0	205,0	205,0
c	80,0	100,0	100,0	110,0	110,0
d	115,0	135,0	135,0	170,0	170,0
e	121,0	147,0	147,0	166,0	168,0
f	223,0	236,0	236,0	285,0	293,0
g	11,0	11,0	11,0	11,0	11,0
h	7,0	7,0	7,0	7,0	7,0
i	1xM 25 sealing plus/1xM 25 Ex-gland			1xM 40 Closed/	1xM 40 Ex-gland
Cond. mm² min	1	1	1	4	4
Cond. mm² max	4	4	4	10	10

Surface Mounting Socket Outlet	Zone 1 and 21	Zone 2
marking at 94/9/EG	II 2 G/II 2 D*	II 3 G/II 3 D**
type of protection	EEx de IIC T6	EEx nC IIC T6/T5
protection degree	IP 66	IP 66
EC-type examination certificate	PTB 99 ATEX 1039(16A) PTB 99 ATEX 1041(32A)	
declaration of conformity		PTB 99 ATEX 1115 (at 16A and 32A)



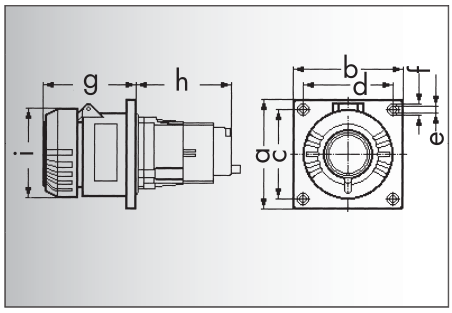
Ampere	63	63
Poles	4	5
a	200,0	200,0
b	370,0	370,0
c	180,0	180,0
d	276,0	276,0
e	226,0	226,0
f	475,0	475,0
g	10,0	10,0
h	9,0	9,0
i	M 50 Ex-gland	
Cond. mm² min	6	6
Cond. mm² max	25	25

Surface Mounting Socket Outlet	Zone 1 and 21	Zone 2
marking at 94/9/EG	II 2 G/II 2 D*	II 3 G/II 3 D**
type of protection	EEx de IIC T6	EEx de IIC T6
protection degree	IP 66	IP 66
EC-type examination certificate	applied	
declaration of conformity		EEX nC IIC T6



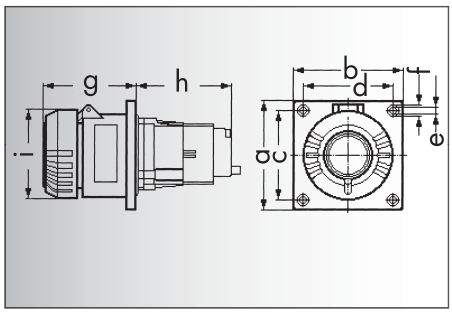
Ampere	125	125
Poles	4	5
a	234,0	234,0
b	430,0	430,0
c	218,0	218,0
d	303,0	303,0
e	258,0	258,0
f	537,0	537,0
g	11,0	11,0
h	9,0	9,0
i	M 63 Ex-gland	
Cond. mm² min	16	16
Cond. mm² max	70	70

Surface Mounting Socket Outlet	Zone 1 and 21	
type of protection	EEx de IIC T6	
declaration of bescheinigung***	PTB-Nr. Ex-86.B.1070	
protection degree	IP 66	



Ampere	16	16	16
Poles	3	4	5
a	67,0	86,0	86,0
b	65,0	86,0	86,0
c	53,0	69,5	69,5
d	53,0	69,5	69,5
e	6,0	6,0	6,0
f	10,0	10,0	10,0
g	75,0	75,0	75,0
h	82,0	83,0	83,0
i	ø 72,0	ø 76,5	ø 84,0
Cond. mm² min	1	1	1
Cond. mm² max	4	4	4

Panel mounting socket outlet	Zone 1 and 21	Zone 2
marking at 94/9/EG	II 2 G/II 2 D*	II 3 G/II 3 D**
type of protection	EEx de IIC T6	EEx nC IIC T6/T5
protection degree	IP 66	IP 66
EC-type examination certificate	PTB 99 ATEX 1040 U	
declaration of conformity		PTB 99 ATEX 1115



Ampere	32	32
Poles	4	5
a	86,0	86,0
b	86,0	86,0
c	69,5	69,5
d	69,5	69,5
e	6,0	6,0
f	10,0	10,0
g	85,0	91,0
h	142,0	142,0
i	ø 95,5	ø 100,0
Cond. mm² min	4	4
Cond. mm² max	10	10

Panel mounting socket outlet	Zone 1 and 21	Zone 2
marking at 94/9/EG	II 2 G/II 2 D*	II 3 G/II 3 D**
type of protection	EEx de IIC T6	EEx nC IIC T6
protection degree	IP 66	IP 66
EC-type examination certificate	PTB 99 ATEX 1042 U	
declaration of conformity		PTB 99 ATEX 1115

* II 2 D applied

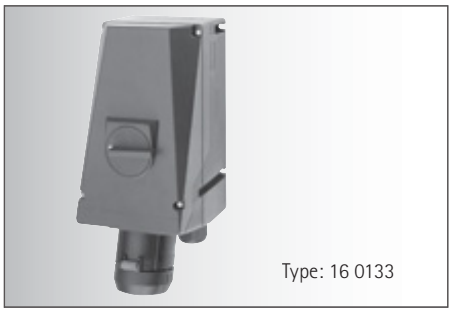
** II 3 D applied

*** Application for EC-type examination certificate

For further information please see Bals.com · Other voltages and frequencies are available on request.


Type: 16 0122

Poles 2P+E	Poles 3P+E	Poles 3P+N+E	Ampere	Poles		230V 50-60 Hz 3pol 4pol 5pol	400V 50-60Hz 3pol 4pol 5pol	500V 50-60Hz 3pol 4pol 5pol
						6h 9h 9h	9h 6h 6h	7h 7h 7h
			16	3	Zone 1 and 21	16 0122		
					Zone 2	16 0113		
			16	4	Zone 1 and 21	16 0123	16 0124	16 0125
					Zone 2	16 0135	16 0136	16 0137
			16	5	Zone 1 and 21		16 0126	
					Zone 2		16 0114	
			32	4	Zone 1 and 21	16 0127	16 0128	16 0129
					Zone 2	16 0138	16 0139	16 0140
			32	5	Zone 1 and 21		16 0130	
					Zone 2		16 0115	


Type: 16 0133

			63	4	Zone 1 and 21	16 0131	16 0132	16 0133
					Zone 2	16 0141	16 0142	16 0143
			63	5	Zone 1 and 21		16 0134	
					Zone 2		16 0144	


Type: 16 0146

			125	4	Zone 1 and 21		16 0300	16 0301
					Zone 2*			
			125	5	Zone 1 and 21	16 0145	16 0146	16 0147
					Zone 2*			


Type: 13 862

			16	3	Zone 1 and 21	13 862		
					Zone 2	13 874		
			16	4	Zone 1 and 21	13 867	13 868	13 869
					Zone 2	13 875	13 876	13 877
			16	5	Zone 1 and 21		13 863	
					Zone 2		13 878	

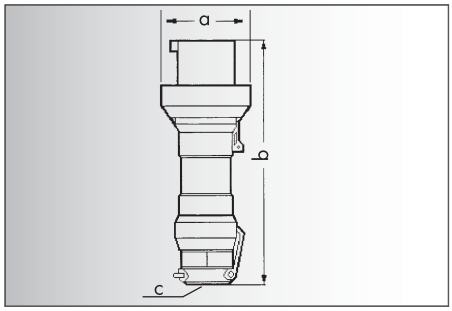

Type: 13 873

			32	4	Zone 1 and 21	13 870	13 871	13 872
					Zone 2	13 879	13 880	13 881
			32	5	Zone 1 and 21		13 873	
					Zone 2		13 882	

* Go back to Zone 1 and 2 devices.

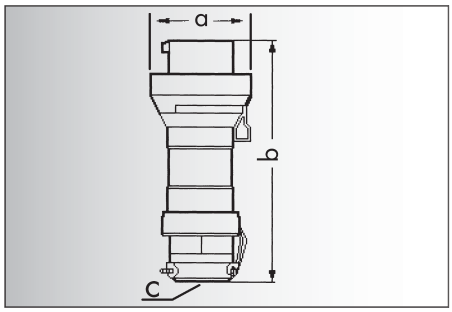
PLUGS

IEC 60309-1/2, directive 94/9/EG
Zone 1, 2, 21



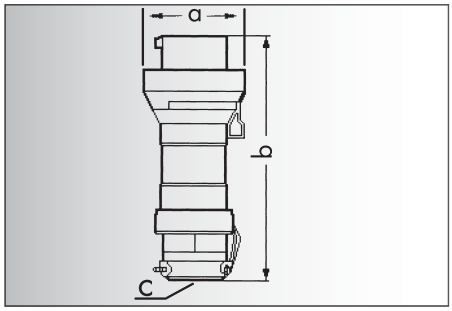
Ampere	16	16	16	32	32
Poles	3	4	5	4	5
a	72,0	76,5	84,0	95,0	100,0
b	170,0	187,0	187,0	249,0	249,0
c	ø 9-17 mm	ø 9-17 mm	ø 9-17 mm	ø 12-28 mm	ø 12-28 mm
Cond. mm² min	1	1	1	1	1
Cond. mm² max	2,5	2,5	2,5	6	6

Plug	Zone 1 and 21	Zone 2
marking at 94/9/EG	Ex II 2 G/Ex II2 D*	Ex II 3 G/Ex II3 D**
type of protection	EEx de IIC T6	EEx nC IIC T6/T5
protection degree	IP 66	IP 66
declaration of conformity		PTB 99 ATEX 1115 (at 16A and 32A)



Ampere	63	63
Poles	4	5
a	110,0	110,0
b	272,0	272,0
c	ø 19-28 mm	ø 19-28 mm
Cond. mm² min	6	6
Cond. mm² max	16	16

Plug	Zone 1 and 21	Zone 2
marking at 94/9/EG	Ex II 2 G/Ex II2 D*	Ex II 3 G/Ex II3 D**
type of protection	EEx de IIC T6	EEx nC IIC T6
protection degree	IP 66	IP 66
declaration of conformity		EEX nC IIC T6



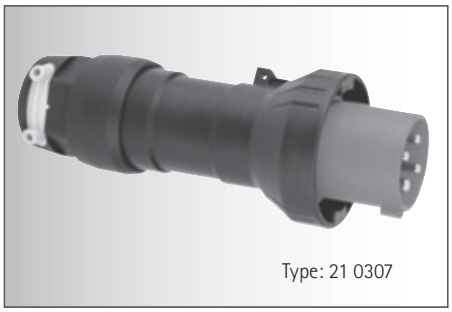
Ampere	125	125
Poles	4	5
a	120,0	120,0
b	310,0	310,0
c	ø 45-53 mm	ø 45-53 mm
Cond. mm² min	25	25
Cond. mm² max	35	35

Plug	Zone 1 and 21
type of protection	EEx de IIC T6
declaration of conformity***	PTB-Nr. Ex-86.B.1070
protection degree	IP 66

* II 2 D applied
** II 3 D applied
*** Application for EC-type examination certificate

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Type: 21 0288


Type: 21 0307


Type: 21 0310

Poles 2P+E Ampere	Poles 3P+E 3P+N+E	Ex	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60Hz 3pol 9h	400V 50-60Hz 4pol 6h	400V 50-60Hz 5pol 6h	500V 50-60Hz 3pol 7h	500V 50-60Hz 4pol 7h	500V 50-60Hz 5pol 7h
16	3	Zone 1 and 21	21 0288								
		Zone 2	21 0312								
16	4	Zone 1 and 21	21 0298			21 0299			21 0300		
		Zone 2	21 0313			21 0314			21 0315		
16	5	Zone 1 and 21				21 0289					
		Zone 2				21 0318					
32	4	Zone 1 and 21	21 0301			21 0302			21 0303		
		Zone 2	21 0317			21 0325			21 0319		
32	5	Zone 1 and 21				21 0304					
		Zone 2				21 0320					
63	4	Zone 1 and 21	21 0305			21 0306			21 0307		
		Zone 2	21 0321			21 0322			21 0323		
63	5	Zone 1 and 21				21 0308					
		Zone 2				21 0324					
125	4	Zone 1 and 21				21 0643			21 0644		
		Zone 2*									
125	5	Zone 1 and 21	21 0309			21 0310			21 0311		
		Zone 2*									

* Go back to Zone 1 and 2 devices.

11



EXTREME LOW VOLTAGE PRODUCTS

EXTREME LOW VOLTAGE PRODUCTS

Surface Mounting Socket Outlet, Panel Mounting SocketOutlet, Plugs, Surface Mounting Appliance Inlets, Connectors

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63A Surface- and Panel Mounting Socket Outlets
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63A Plugs, Connectors, Panel Mounting Appliance Inlets
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Preferred scopes



Construction Industry

Camping site



Industry

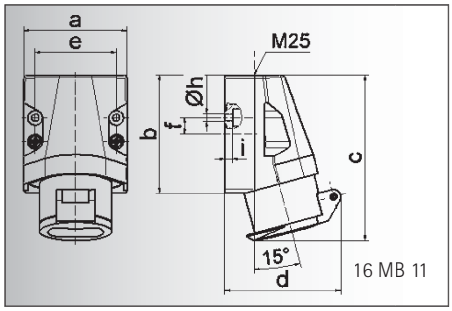
Building Services

Farming

Harbour and Shipbuilding

EXTREME LOW VOLTAGE-SURFACE MOUNTING SOCKET OUTLETS

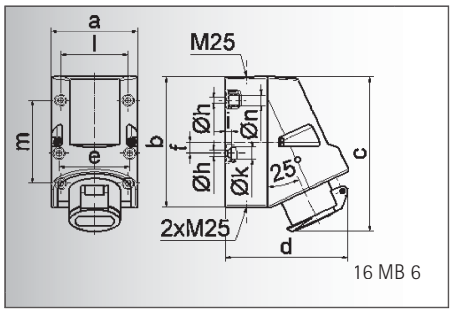
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



16 MB 11

Ampere	16	16	32	32
Poles	2	3	2	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

Surface Mounting Socket Outlet
- cable entry one at the top (open)
- protection degree IP 44



16 MB 6

Ampere	16	16	32	32
Poles	2	3	2	3
a	83,0	83,0	83,0	83,0
b	126,0	126,0	126,0	126,0
c	149,0	149,0	149,0	149,0
d	120,0	120,0	120,0	120,0
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	10,0	10,0	10,0	10,0
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

Surface Mounting Socket Outlet
- cable entry one at the top (open), two at the bottom (closed)
- bottom part of housing can be turned by 180°
- 4 internal fixing holes
- suitable for feed through-wiring with special terminals (see page 244)
- protection degree IP 44

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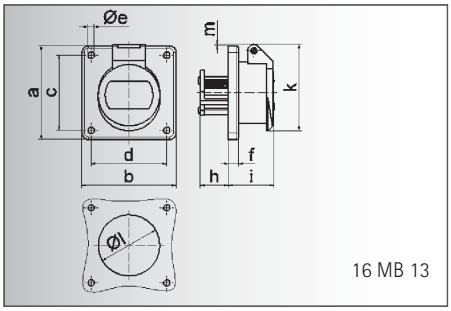
Ampere	Poles	24V 50-60 Hz ---	42V 50-60 Hz 12h	100-200 Hz up to 50V 4h	300 Hz up to 50V 2h	400 Hz up to 50V 3h	⎓ up to 50V 10h	Qty	g each
16	2	**41 0**	**41 1**	41 2	41 3	41 4	41 5	10	195
16	3	**41 6**	**41 7**	41 8	41 9	41 10	41 07	10	215
32	2	**41 11**	**41 12**	41 13	41 14	41 15	41 16	10	195
32	3	**41 17**	**41 18**	41 19	41 20	41 21	41 57	10	215



Ampere	Poles	24V 50-60 Hz ---	42V 50-60 Hz 12h	100-200 Hz up to 50V 4h	300 Hz up to 50V 2h	400 Hz up to 50V 3h	⎓ up to 50V 10h	Qty	g each
16	2	**41 35**	**41 36**	41 37	41 38	41 39	41 40	10	325
16	3	**41 41**	**41 42**	41 43	41 44	41 45	41 59	10	345
32	2	**41 46**	**41 47**	41 48	41 49	41 50	41 51	10	325
32	3	**41 52**	**41 53**	41 54	41 55	41 56		10	345

EXTREME LOW VOLTAGE PANEL MOUNTING SOCKET OUTLETS

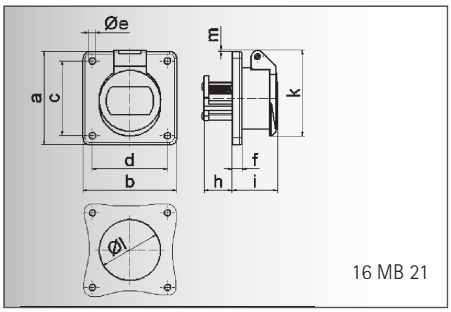
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



16 MB 13

Ampere	16	16	32	32
Poles	2	3	2	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

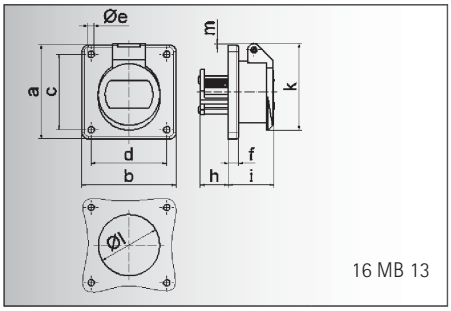
Panel mounting socket outlet
- screw terminals
- straight
- flange 55 x 55 mm
- protection degree IP 44



16 MB 21

Ampere	16	16	32	32
Poles	2	3	2	3
a	70,0	70,0	70,0	70,0
b	70,0	70,0	70,0	70,0
c	56,5	56,5	56,5	56,5
d	56,5	56,5	56,5	56,5
e ø	5,5	5,5	5,5	5,5
f	8,0	8,0	8,0	8,0
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	4,0	4,0	4,0	4,0
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

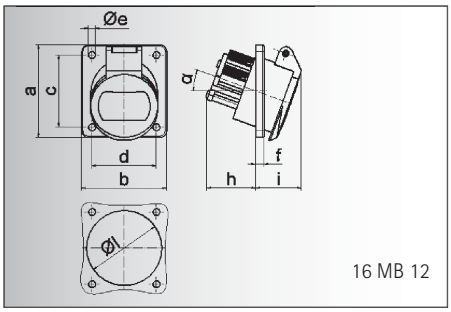
Panel mounting socket outlet
- screw terminals
- straight
- flange 70 x 70 mm
- protection degree IP 44



16 MB 13

Ampere	16	16	32	32
Poles	2	3	2	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

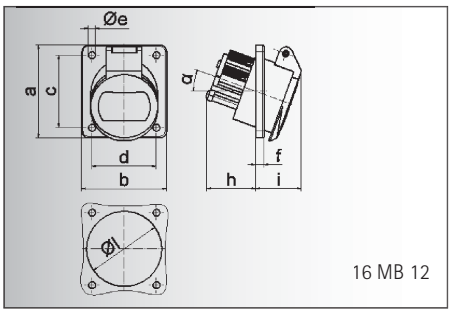
Panel mounting socket outlet
- screw terminals
- straight
- flange 75 x 75 mm
- protection degree IP 44



16 MB 12

Ampere	16	16	32	32
Poles	2	3	2	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
α	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
- angled 20 °
- flange 68 x 62 mm
- protection degree IP 44



16 MB 12

Ampere	16	16	32	32
Poles	2	3	2	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
α	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
- angled 20 °
- flange 100 x 92 mm
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles		24V 50-60 Hz	42V 50-60 Hz	100-200 Hz up to 50V	300 Hz up to 50V	400 Hz up to 50V	⎓ up to 50V		
Ampere	Poles	---	12h	4h	2h	3h	10h	Qty	g each
16	2	**43 0**	**43 1**	43 2	43 3	43 4	43 5	10	125
16	3	**43 6**	**43 7**	43 8	43 9	43 10	43 90	10	145
32	2	**43 11**	**43 12**	43 13	43 14	43 15	43 16	10	125
32	3	**43 17**	**43 18**	43 19	43 20	43 21		10	145


Type: 43 18

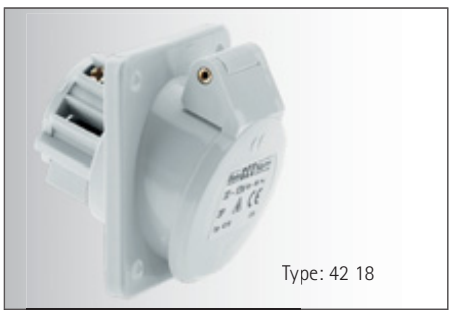
16	2	**43 22**	**43 23**	43 24	43 25	43 26	43 27	10	140
16	3	**43 28**	**43 29**	43 30	43 31	43 32		10	160
32	2	**43 33**	**43 34**	43 35	43 36	43 37	43 38	10	140
32	3	**43 39**	**43 40**	43 41	43 42	43 43		10	160


Type: 43 40

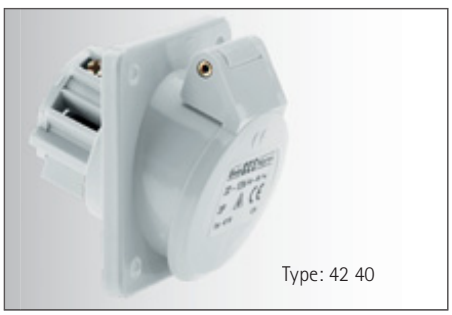
16	2	**43 54**	**43 55**	43 56	43 57	43 58	43 59	10	150
16	3	**43 60**	**43 61**	43 62	43 63	43 64	43 003	10	170
32	2	**43 65**	**43 66**	43 67	43 68	43 69	43 70	10	150
32	3	**43 71**	**43 72**	43 73	43 74	43 75		10	170


Type: 43 72

16	2	**42 0**	**42 1**	42 2	42 3	42 4	42 5	10	135
16	3	**42 6**	**42 7**	42 8	42 9	42 10		10	155
32	2	**42 11**	**42 12**	42 13	42 14	42 15	42 16	10	135
32	3	**42 17**	**42 18**	42 19	42 20	42 21	42 74	10	155

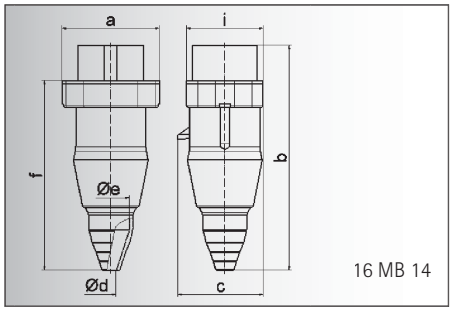

Type: 42 18

16	2	**42 22**	**42 23**	42 24	42 25	42 26	42 27	10	165
16	3	**42 28**	**42 29**	42 30	42 31	42 32		10	185
32	2	**42 33**	**42 34**	42 35	42 36	42 37	42 38	10	165
32	3	**42 39**	**42 40**	42 41	42 42	42 43		10	185


Type: 42 40

EXTREME LOW VOLTAGE
PLUGS, SURFACE MOUNTING APPLIANCE INLETS, CONNECTORS

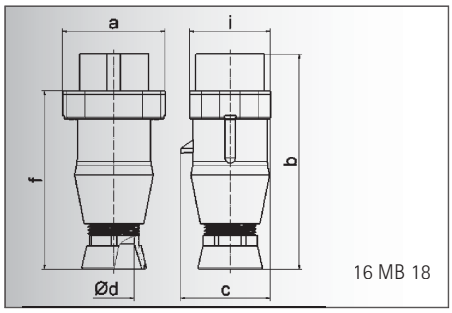
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



16 MB 14

Ampere	16	16	32	32
Poles	2	3	2	3
a	62,0	62,0	62,0	62,0
b	145,0	145,0	145,0	145,0
c	55,0	55,0	55,0	55,0
d ø	7,0	7,0	7,0	7,0
e ø	24,5	24,5	24,5	24,5
f	123,0	123,0	123,0	123,0
i	50,0	50,0	50,0	50,0
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

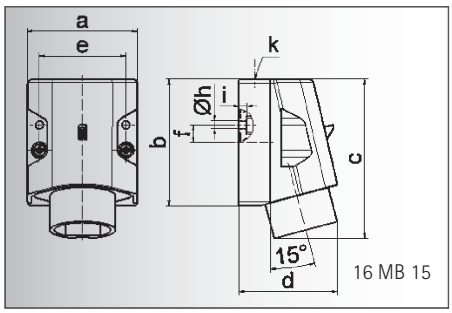
Plug
- screw terminals
- with cable sleeve
- protection degree IP 44



16 MB 18

Ampere	16	16	32	32
Poles	2	3	2	3
a	62,0	62,0	62,0	62,0
b	129,0	129,0	129,0	129,0
c	55,0	55,0	55,0	55,0
d ø	24,5	24,5	24,5	24,5
f	107,0	107,0	107,0	107,0
i	50,0	50,0	50,0	50,0
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

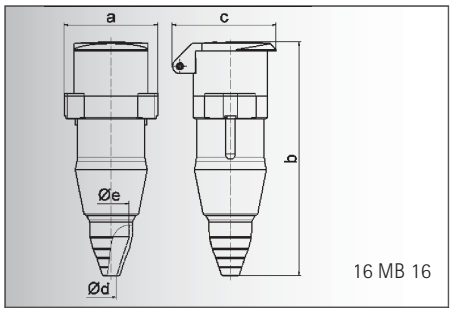
Plug
- screw terminals
- with cable gland
- protection degree IP 44



16 MB 15

Ampere	16	16	32	32
Poles	2	3	2	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	M 25	M 25	M 25	M 25
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

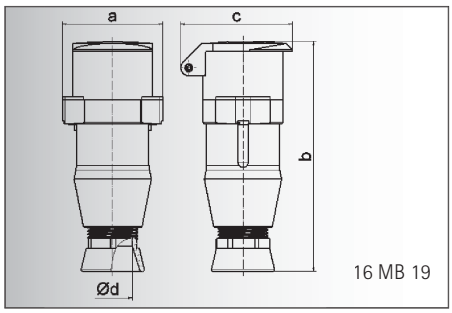
Surface Mounting Appliance Inlet
- screw terminals
- protection degree IP 44



16 MB 16

Ampere	16	16	32	32
Poles	2	3	2	3
a	62,0	62,0	62,0	62,0
b	158,0	158,0	158,0	158,0
c	67,0	67,0	67,0	67,0
d ø	7,0	7,0	7,0	7,0
e ø	24,5	24,5	24,5	24,5
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

Connector
- screw terminals
- with cable sleeve
- protection degree IP 44



16 MB 19

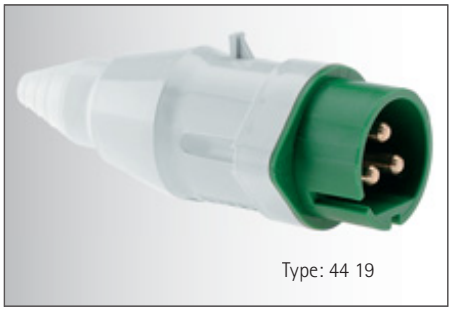
Ampere	16	16	32	32
Poles	2	3	2	3
a	62,0	62,0	62,0	62,0
b	142,0	142,0	142,0	142,0
c	67,0	67,0	67,0	67,0
d ø	24,5	24,5	24,5	24,5
Cond. mm² min	4	4	4	4
Cond. mm² max	10	10	10	10

Connector
- screw terminals
- with cable gland
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles		24V 50-60 Hz	42V 50-60 Hz	100-200 Hz up to 50V	300 Hz up to 50V	400 Hz up to 50V	⎓ up to 50V		
Ampere	Poles	---	12h	4h	2h	3h	10h	Qty	g each
16	2	**44 0**	**44 1**	44 2	44 3	44 4	44 5	10	140
16	3	**44 6**	**44 7**	44 8	44 9	44 10	44 61	10	160
32	2	**44 11**	**44 12**	44 13	44 14	44 15	44 16	10	140
32	3	**44 17**	**44 18**	44 19	44 20	44 21	44 59	10	160


Type: 44 19

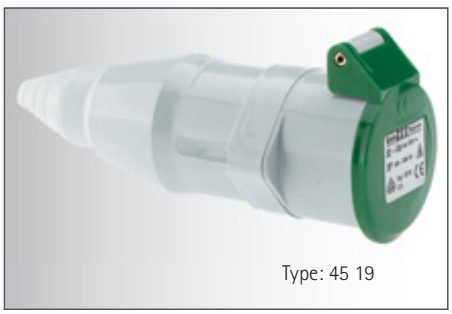
16	2	**44 22**	**44 23**	44 24	44 25	44 26	44 27	10	150
16	3	**44 28**	**44 29**	44 30	44 31	44 32	44 81	10	170
32	2	**44 33**	**44 34**	44 35	44 36	44 37	44 38	10	150
32	3	**44 39**	**44 40**	44 41	44 42	44 43		10	170


Type: 44 41

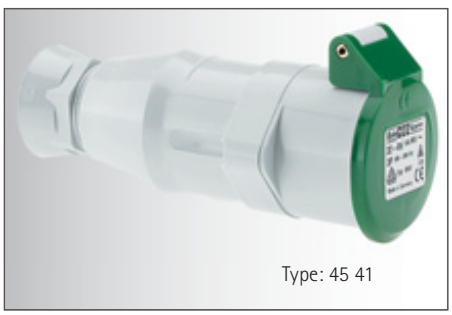
16	2	**46 0**	**46 1**	46 2	46 3	46 4	46 5	10	155
16	3	**46 6**	**46 7**	46 8	46 9	46 10		10	175
32	2	**46 11**	**46 12**	46 13	46 14	46 15	46 16	10	155
32	3	**46 17**	**46 18**	46 19	46 20	46 21		10	175


Type: 46 19

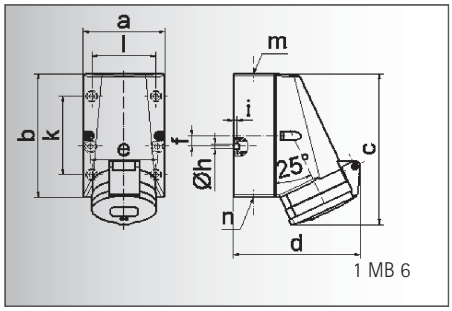
16	2	**45 0**	**45 1**	45 2	45 3	45 4	45 5	10	180
16	3	**45 6**	**45 7**	45 8	45 9	45 10	45 63	10	200
32	2	**45 11**	**45 12**	45 13	45 14	45 15	45 16	10	180
32	3	**45 17**	**45 18**	45 19	45 20	45 21		10	200


Type: 45 19

16	2	**45 22**	**45 23**	45 24	45 25	45 26	45 27	10	190
16	3	**45 28**	**45 29**	45 30	45 31	45 32		10	210
32	2	**45 33**	**45 34**	45 35	45 36	45 37	45 38	10	190
32	3	**45 39**	**45 40**	45 41	45 42	45 43		10	210


Type: 45 41

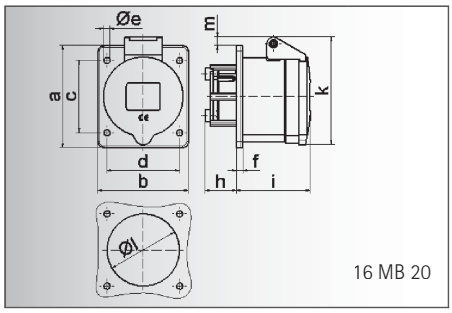
EXTREME LOW VOLTAGE
SPECIAL PLUGS AND SOCKETS 63A
protection degree IP 44



1 MB 6

Ampere	63	63
Poles	2	3
a	83,0	
b	126,0	
c	158,0	
d	130,0	
e	68,0	
f	11,0	
h	5,3	
i	4,0	
k	80,0	
l	65,0	
m	M 25	
n	2 x M 25	

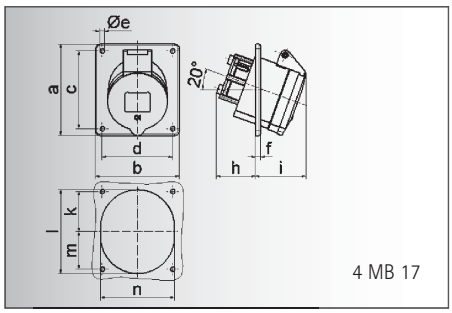
Surface Mounting Socket Outlet
- screw terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44



16 MB 20

Ampere	63	63
Poles	2	3
a	85,0	
b	75,0	
c	60,0	
d	60,0	
e	5,2	
f	5,5	
h	27,0	
i	62,0	
k	90,0	
l	60,0	
m	7,5	

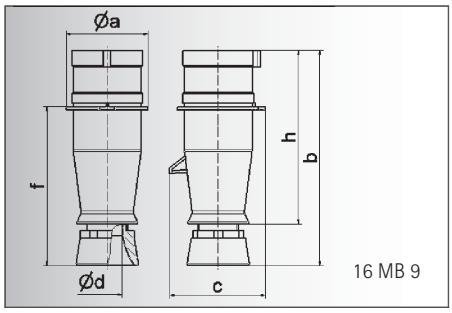
Panel Mounting Socket Outlet
- screw terminals
- straight
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44



4 MB 17

Ampere	63	63
Poles	2	3
a	100,0	
b	92,0	
c	85,0	
d	77,0	
e	5,1	
f	5,5	
h	42,0	
i	57,0	
k	44,0	
l	80,0	
m	41,0	
n	80,0	

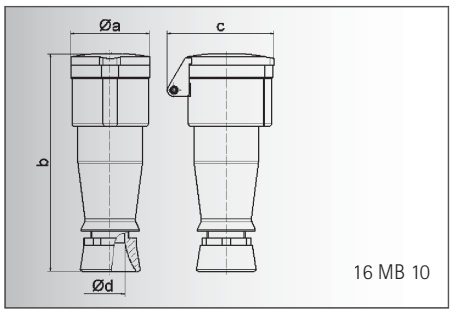
Panel Mounting Socket Outlet
- screw terminals
- angled 20°
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44



16 MB 9

Ampere	63	63
Poles	2	3
a ø	66,0	
b	173,0	
c	78,0	
d ø	24,5	
f	128,0	
h	140,0	

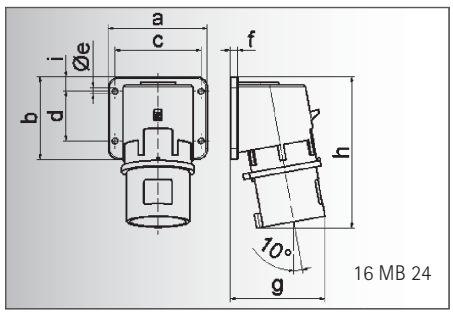
Plug
- screw terminals
- with cable gland
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44



16 MB 10

Ampere	63	63
Poles	2	3
a ø	66,5	
b	183,0	
c	91,0	
d ø	24,5	

Connector
- screw terminals
- with cable gland
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

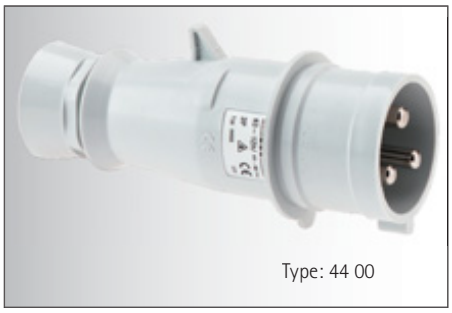
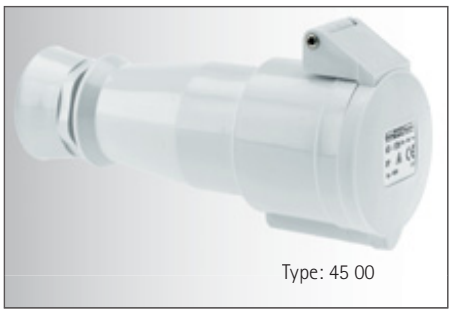


16 MB 24

Ampere	63	63
Poles	2	3
a	90,0	
b	75,0	
c	78,0	
d	45,0	
e	5,5	
f	7,0	
g	86,0	
h	138,0	
i	13,0	

Panel Mounting Appliance Inlet
- screw terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Ampere	Poles	24V 50-60 Hz	42V 50-60 Hz	100-200 Hz bis 50V	300 Hz bis 50V	Qty	g each
 Type: 41 00							
63	2		41 08[1]			10	385
63	3	41 01[2]	41 00[2]	41 02[3]	41 33[2]	10	420
 Type: 43 05							
63	2		43 06[1]			10	250
63	3	43 03[2]	43 02[2]	43 05[3]	43 77[2]	10	250
 Type: 42 00							
63	2		42 08[1]			10	255
63	3	42 01[2]	42 00[2]	42 02[3]	42 09[2]	10	290
 Type: 44 00							
63	2		44 09[1]			10	235
63	3	44 01[2]	44 00[2]	44 02[3]	44 58[2]	10	270
 Type: 45 00							
63	2		45 08[1]			10	290
63	3	45 01[2]	45 00[2]	45 02[3]	45 45[2]	10	325
 Type: 47 0							
63	2		47 3[1]			10	260
63	3	47 1[2]	47 0[2]	47 2[3]	47 4[2]	10	260



PLUGS AND SOCKETS FOR SPECIAL APPLICATIONS

PLUGS AND SOCKETS FOR SPECIAL APPLICATIONS

TK-Socket Outlet Combination Units, Phase Sequence Test Plugs, Socket Outlets with Auxiliary Contact, Socket Outlets with Electrical Interlocking, 7-Pole Plugs and Sockets, Plugs and Sockets for direct current, TH-Socket Outlets

Quality assured

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TK-Kombi-Socket Outlets Page 198



Phase Sequence Test Plugs Page 199



Adapter-Plugs Page 199



7-Pole Plugs and Sockets Page 200 - 203



Socket Outlets with Pilot Safety Contact Interlocking Page 204, 205



HKS-Plugs and Sockets Page 206, 207



Lockable Quick-Connect Devices Page 206, 207



TH-Socket Outlets Page 208, 209



Direct Current Plugs and Sockets Page 210, 211



Preferred scopes



Construction Industry

Camping site



Industry



Building Services



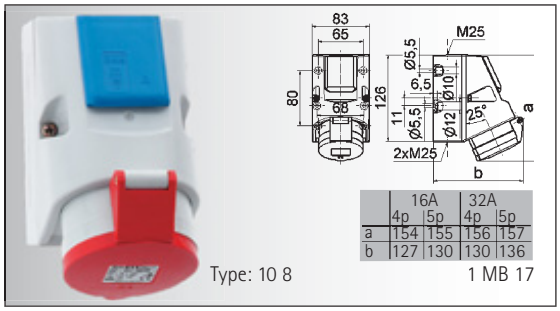
Farming



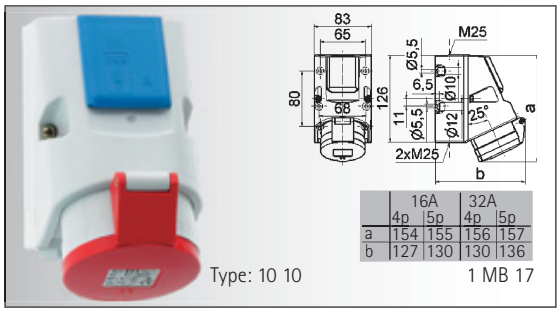
Harbour and Shipbuilding

TK-SOCKET OUTLET COMBINATION UNITS

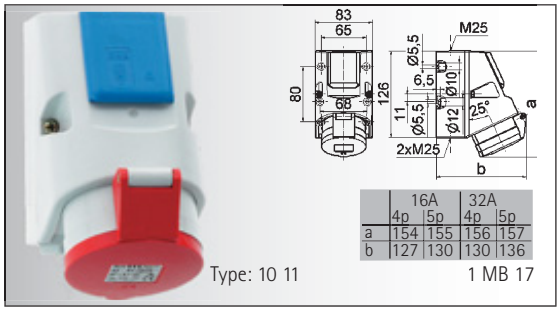
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 44



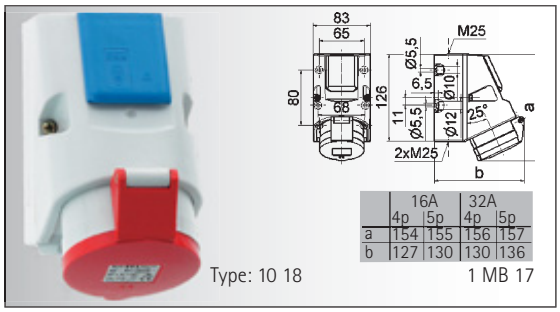
Type: 10 8 — 1 MB 17



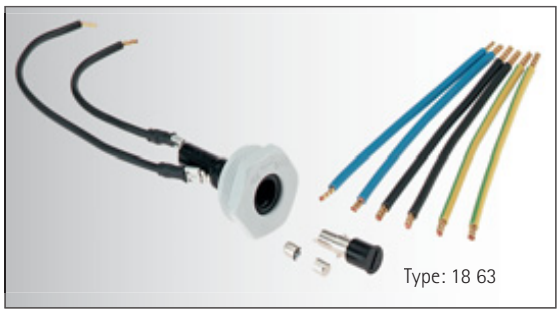
Type: 10 10 — 1 MB 17



Type: 10 11 — 1 MB 17



Type: 10 18 — 1 MB 17



Type: 18 63

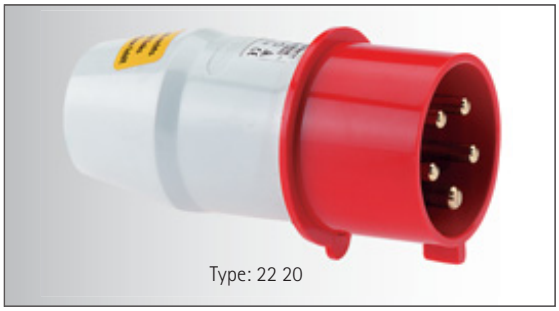
	Polzahl	230V 50-60 Hz	400V 50-60Hz	Stück	g Stück
	Ampere / Polzahl	4pol 5pol 9h 9h	4pol 5pol 6h 6h		
TK-Socket Outlet Combination Unit • with terminals, without wiring • with incorporated socket outlet Schuko type 16A/230V ~ • protection degree IP 44	16 4	10 12		10	560
	16 5		**10 7**	10	570
	[1]32 5		**10 8**	10	600
[1] Wiring by one cable only;please use fuse base reference 1862					
TK-Socket Outlet Combination Unit • with terminals, with wiring (ready wired for installation) • with incorporated socket outlet Schuko type 16A/230V ~ • protection degree IP 44	16 4	10 13		10	510
	16 5		**10 10**	10	520
TK-Socket Outlet Combination Unit • with terminals, with wiring (ready wired for installation) • with fuse base 5 x 20 mm DIN 41671 • with incorporated socket outlet Schuko type 16A/230V ~ • protection degree IP 44	16 5		**10 9**	10	580
	[2]32 4	10 20		10	600
	32 5		**10 11**	10	610
[2] 2 x fuse base					
TK-socket outlet combination Unit • Belgian/French system • with terminals, with wiring (ready wired for installation) • with fuse base 5 x 20 mm DIN 41671 • with incorporated socket outlet Schuko type 16A/230V ~ • protection degree IP 44	[2]16 4	10 17		10	560
	16 5		**10 15**	10	570
	[2] 32 4	10 19		10	590
	32 5		**10 18**	10	600
[2] 2 x fuse base					

Accessories

wiring kit L. N. PE	for 16 A	18 63
	for 32 A	18 96
G-fuse base 5 x 20 mm DIN 41671		18 62
G-fuse	6,3 A	18 64
	10 A	18 65
	16 A	18 66

For further information please see Bals.com · Other voltages and frequencies are available on request.

PHASE SEQUENCE INDICATORS, ADAPTER-PLUGS


Type: 22 20


Type: 22 35


Type: 22 31


Type: 86 15

Poles 3P+E Ampere	Poles 3P+N+E Poles	230V 50-60 Hz 4pol 5pol 9h 9h	400V 50-60Hz 4pol 5pol 6h 6h	500V 50-60Hz 4pol 5pol 7h 7h	Qty	g each
Phase Sequence Test Plug • nickel plated contacts						
16	4	22 10	**22 11**	22 12	10	170
16	5	22 13	**22 14**	22 15	10	195
32	4	22 16	**22 17**	22 18	10	265
32	5	22 19	**22 20**	22 21	10	290
63	4	22 22	**22 23**	22 24	2	600
63	5	22 25	**22 26**	22 27	2	650
Phase Sequence Test Plug „TRIPOL" 400/ 230V • nickel plated contacts • with incorporated socket outlet Schuko type • built-in electronic for: a) rotary field indicator b) connection of testing equipment c) phase sequence indicator						
16	5		**22 34**		2	265
32	5		**22 35**		2	335
63	5		**22 36**		2	640
Phase Sequence Test Plug • nickel plated contacts • without nose for polarisation • for all operating voltages between 230....600V						
16	4		**22 28**		10	170
16	5		**22 29**		10	195
32	4		**22 30**		10	265
32	5		**22 31**		10	290
63	4		**22 32**		2	600
63	5		**22 33**		2	650

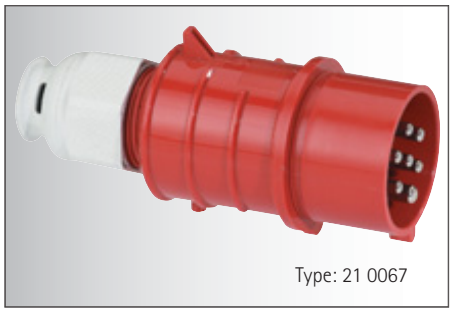
Adapter-Plug

CEE-Plug 16A/ 230V/ 3p to socket-outlet Schuko type 16A/ 230V ~	86 15
CEE-Plug 16A/ 230V/ 3p to socket-outlet Schuko type 16A/ 230V ~, Belgian/French system (CEE 7)	86 14
CEE-Plug 16A/ 230V/ 3p to socket-outlet Schuko type 16A/ 230V ~, Swiss System (Typ 13)	86 18

Further adapter systems on request.

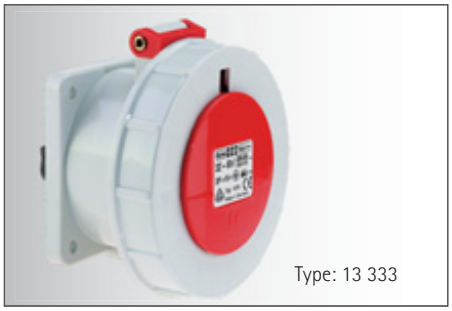
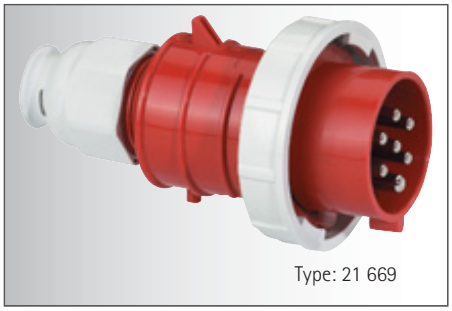
7-POLE PLUGS AND SOCKETS (6P + E)

protection degree IP 44

	Poles		230V 50-60 Hz	400V 50-60Hz		
	Ampere	Poles	7pol 9h	7pol 6h	Qty	g each
 Type: 11 481	**Surface Mounting Socket Outlet** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • cable entry one at the top (open), two at the bottom (closed) • base of housing can rotate by180° • 4 internal fixing holes • protection degree IP 44 drawing see page 22/5 (1 MB 2 - 5pol.)	16	7	11 480	**11 481**	10	400
		32	7	11 482	**11 483**	10	475
 Type: 13 329	**Panel Mounting Socket Outlet** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • flange 75 x 75 mm • protection degree IP 44 drawing see page 32/6 (4 MB 4 - 5pol.)	16	7	13 326	**13 327**	10	225
		32	7	13 328	**13 329**	10	320
 Type: 12 393	**Panel Mounting Socket Outlet** • screw terminals • angled 20° • high temperature resistant contact carrier • nickel plated contacts • flange 100 x 92 mm • protection degree IP 44 drawing see page 34/5 (4 MB 112 - 5pol.)	16	7	12 390	**12 391**	10	255
		32	7	12 392	**12 393**	10	315
 Type: 21 0067	**Plug TE with Multi-Grip** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • special gland, simultanous cable gland and seal • protection degree IP 44 drawing see page 48/4 (2 MB 93 - 5pol.)	16	7	21 0550	**21 557**	10	275
		32	7	21 0636	**21 0067**	10	370
 Type: 24 196	**Surface Mounting Appliance Inlet** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 44 drawing see page 52/4 (5 MB 45 - 5pol.)	16	7	24 193	**24 194**	10	305
		32	7	24 195	**24 196**	10	390

7-POLE PLUGS AND SOCKETS (6P + E)

protection degree IP 67

	Poles		230V 50-60 Hz	400V 50-60Hz		
	Ampere	Poles	7pol 9h	7pol 6h	Qty	g each
 Type: 11 542	**Surface Mounting Socket Outlet** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 67 drawing see page 30/1 (1 MB 8 - 5pol.)	16	7	11 634	**11 542**	1	530
 Type: 11 714	**Surface Mounting Socket Outlet** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 67 drawing see page 30/2 (1 MB 14 - 5pol.)	32	7	11 635	**11 714**	1	870
 Type: 13 333	**Panel Mounting Socket Outlet** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • flange 75 x 75 mm • protection degree IP 67 drawing see page 38/ 4 (4 MB 5 - 5pol.)	16	7	13 330	**13 331**	10	260
		32	7	13 332	**13 333**	10	340
 Type: 12 397	**Panel Mounting Socket Outlet** • screw terminals • angled 20° • high temperature resistant contact carrier • nickel plated contacts • flange 100 x 92 mm • protection degree IP 67 drawing see page 40/5 (4 MB 115 - 5pol.)	16	7	12 394	**12 395**	10	280
		32	7	12 396	**12 397**	10	325
 Type: 21 669	**Plug TE with Multi-Grip** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 67 Accessories: closure cap see page 244/4 drawing see page 50/2 (2 MB 94 - 5pol.)	16	7	21 711	**21 667**	10	265
		32	7	21 712	**21 669**	10	405

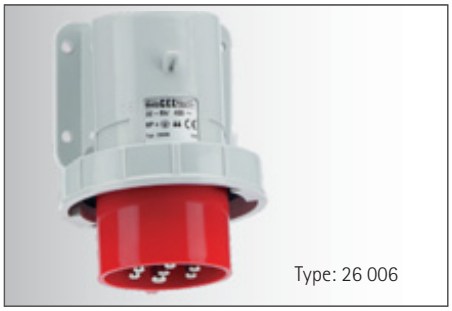
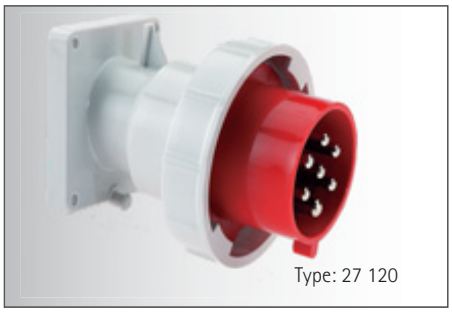
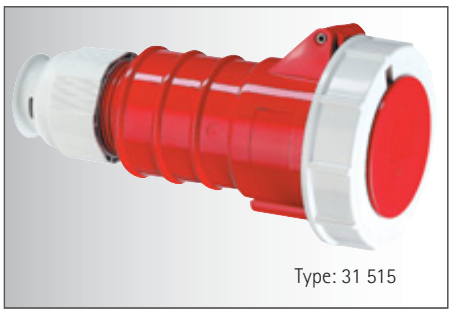
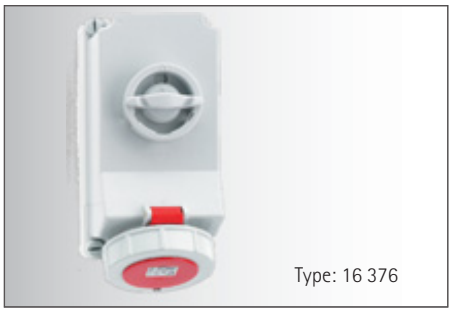
7-POLE PLUGS AND SOCKETS (6P + E)

protection degree IP 44

		Poles		230V 50-60 Hz	400V 50-60Hz		
		6P+E		7pol 9h	7pol 6h	Qty	g each
		Ampere	Poles				
 Type: 26 002	**Panel Mounting Appliance Inlet** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 44 drawing see page 58/1 (5 MB 24 - 5pol.)	16	7	26 012	**26 013**	10	200
		32	7	26 001	**26 002**	10	300
 Type: 27 116	**Panel Mounting Appliance Inlet** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 44 drawing see page 60/1 (5 MB 21 - 5pol.)	16	7	27 113	**27 114**	10	245
		32	7	27 115	**27 116**	10	320
 Type: 31 0123	**Connector TE with Multi-Grip** • screw terminals • high temperature resistant contact carrier • nickel plated contacts • special gland, simultanous cable gland and seal • protection degree IP 44 drawing see page 70/3 (3 MB 62 - 5pol.)	16	7	31 0311	**31 752**	10	275
		32	7	31 0381	**31 0123**	10	430
 Type: 16 374	**Surface Mounting Socket Outlet** • high temperature resistant contact carrier • nickel plated contacts • switched • in 0-position lockable • protection degree IP 44 drawing see page 94/2 (12 MB 24 - 5pol.)	16	7	16 441	**16 374**	1	1140
 Type: 16 378	**Surface Mounting Socket Outlet** • high temperature resistant contact carrier • nickel plated contacts • switched • with mechanical double interlocking • in 0-position lockable • protection degree IP 44 drawing see Page 94/2 (12 MB 24 - 16A, 5pol.) for 16A, 7p Page 94/4 (12 MB 30 - 63A, 5pol.) for 32A, 7p	16	7	16 445	**16 378**	1	1170
		32	7		**16 0438**	1	1400

7-POLE PLUGS AND SOCKETS (6P + E)

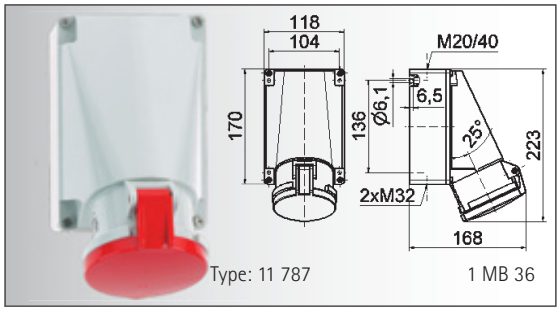
protection degree IP 67

	Poles		230V 50-60 Hz	400V 50-60Hz		
	Ampere	Poles	7pol 9h	7pol 6h	Qty	g each
 Type: 26 006						
Panel Mounting Appliance Inlet • screw terminals • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 67 Accessories: closure cap see page 244/4 drawing see page 58/3 (5 MB 1 - 5pol.)	16	7	26 003	**26 004**	10	275
	32	7	26 005	**26 006**	1	350
 Type: 27 120						
Panel Mounting Appliance Inlet • screw terminals • high temperature resistant contact carrier • nickel plated contacts • protection degree IP 67 Accessories: closure cap see page 244/4 drawing see page 60/3 (5 MB 22- 5pol.)	16	7	27 117	**27 118**	10	240
	32	7	27 119	**27 120**	10	410
 Type: 31 515						
Connector TE with Multi-Grip • screw terminals • high temperature resistant contact carrier • nickel plated contacts • special gland, simultaneous cable gland and seal • protection degree IP 67 drawing see page 72/2 (3 MB 63 - 5pol.)	16	7	31 512	**31 513**	10	310
	32	7	31 514	**31 515**	10	480
 Type: 16 376						
Surface Mounting Socket Outlet • high temperature resistant contact carrier • nickel plated contacts • switched • in 0-position lockable • protection degree IP 67 drawing see page 96/2 (12 MB 11 - 5pol.)	16	7	16 443	**16 376**	1	1170
 Type: 16 380						
Surface Mounting Socket Outlet • high temperature resistant contact carrier • nickel plated contacts • switched • with mechanical double interlocking • in 0-position lockable • protection degree IP 67 drawing see Page 96/2 (12 MB 11 - 16A, 5pol.) for 16A, 7p Page 96/4 (12 MB 10 - 63A, 5pol.) for 32A, 7p	16	7	16 447	**16 380**	1	1200
	32	7		**16 0087**	1	1410

PLUGS AND SOCKETS

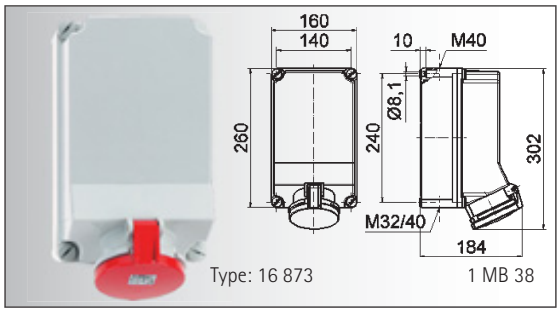
with electrical pilot safety contact interlocking
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 44

	Poles		400V 50-60Hz		500V 50-60Hz			
	3P+E	3P+N+E						
	Ampere	Poles	4pol 6h	5pol 6h	4pol 7h	5pol 7h	Qty	g each
Surface Mounting Socket Outlet • with pilot safety contact interlocking and add. M 20 on top • Kontex-Plus • box terminal • protection degree IP 44	63	4	**11 785**		11 786		5	1060
	63	5		**11 787**			5	1140



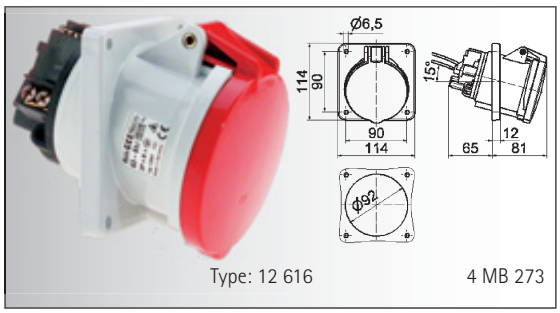
Type: 11 787 — 1 MB 36

Surface Mounting Socket Outlet • with electrical pilot safety contact interlocking and contactor Klöckner-Moeller DIL 2M • Kontex-Plus • box terminal • protection degree IP 44 Other contactors on request.	63	4	**16 871**		16 872		1	2760
	63	5		**16 873**			1	2810



Type: 16 873 — 1 MB 38

Panel Mounting Socket Outlet • screw terminals • angled 15° • Flange 114 x 114 mm • drilling hole distance: 90 x 90 mm • with pilot safety contact interlocking • Kontex-Plus • box terminal • protection degree IP 44	63	4	**12 360**		12 511		5	700
	63	5		**12 616**			5	750



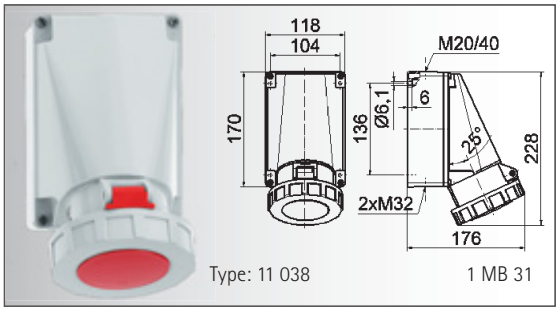
Type: 12 616 — 4 MB 273

For further information please see Bals.com · Other voltages and frequencies are available on request.

PLUGS AND SOCKETS

with electrical pilot safety contact interlocking
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 67

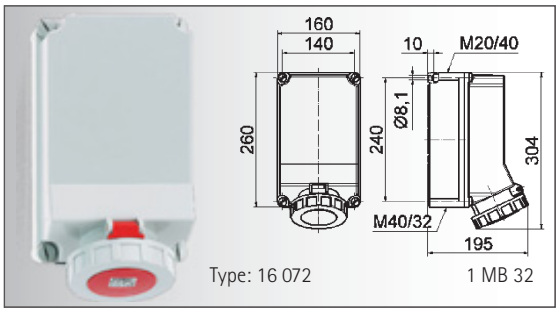
Poles		400V 50-60Hz		500V 50-60Hz			
3P+E	3P+N+E	4pol 6h	5pol 6h	4pol 7h	5pol 7h	Qty	g each
Ampere	Poles						



Type: 11 038 — 1 MB 31

Surface Mounting Socket Outlet
- with pilot safety contact interlocking and add. M 20 on top
- Kontex-Plus
- box terminal
- protection degree IP 67

Ampere	Poles	400V 4pol 6h	400V 5pol 6h	Qty	g each
63	4	**11 052**	11 052	5	1100
63	5	**11 038**		5	1180

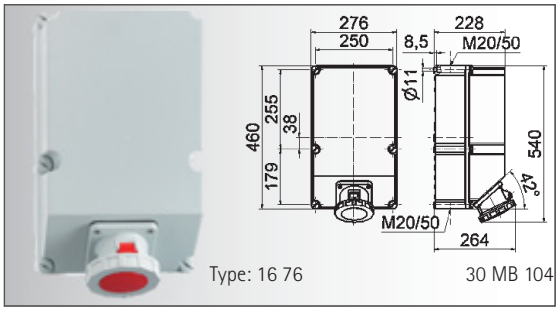


Type: 16 072 — 1 MB 32

Surface Mounting Socket Outlet
- with electrical pilot safety contact interlocking and contactor Klöckner-Moeller DIL 2M
- Kontex-Plus
- box terminal
- protection degree IP 67

Other contactors on request.

Ampere	Poles	400V 4pol 6h	400V 5pol 6h	Qty	g each
63	4	**16 070**	16 071	1	2800
63	5	**16 072**		1	2850

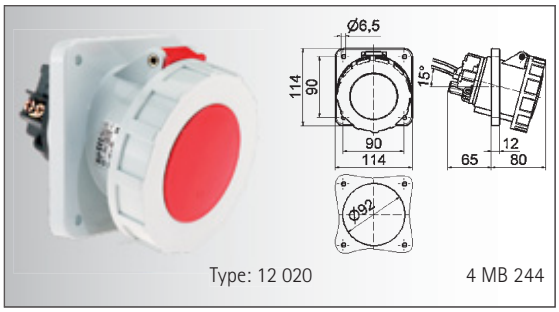


Type: 16 76 — 30 MB 104

Surface Mounting Socket Outlet
- with electrical pilot safety contact interlocking and contactor Klöckner-Moeller DIL 4M
- Kontex-Plus
- box terminal
- protection degree IP 67

Other contactors on request.

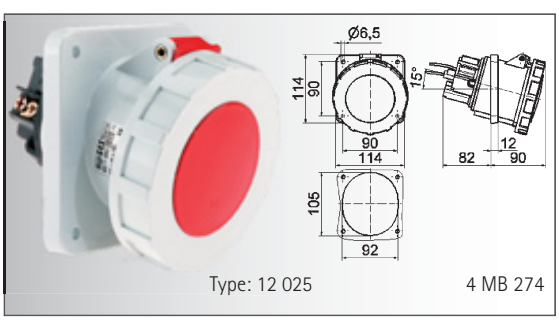
Ampere	Poles	400V 4pol 6h	400V 5pol 6h	Qty	g each
125	4	**16 74**	16 75	1	8050
125	5	**16 76**		1	8200



Type: 12 020 — 4 MB 244

Panel Mounting Socket Outlet
- angled 15°
- flange 114 x 114 mm
- drill hole distance 90 x 90 mm
- with pilot safety contact interlocking
- Kontex-Plus
- box terminal
- protection degree IP 67

Ampere	Poles	400V 4pol 6h	400V 5pol 6h	Qty	g each
63	4	**12 052**	12 053	5	760
63	5	**12 020**		5	820



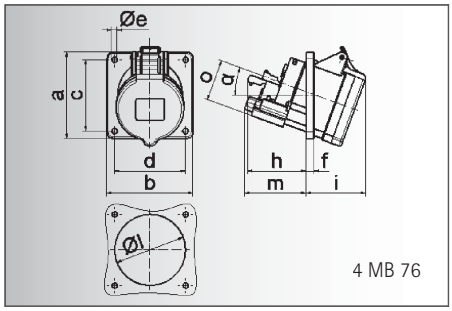
Type: 12 025 — 4 MB 274

Panel Mounting Socket Outlet
- angled 15°
- flange 114 x 114 mm
- drill hole distance 90 x 90 mm
- with pilot safety contact interlocking
- Kontex-Plus
- box terminal
- protection degree IP 67

Ampere	Poles	400V 4pol 6h	400V 5pol 6h	Qty	g each
125	4	**12 139**	12 054	5	1230
125	5	**12 025**		5	1350

AUXILIARY CONTACT-PANEL MOUNTING SOCKET OUTLETS

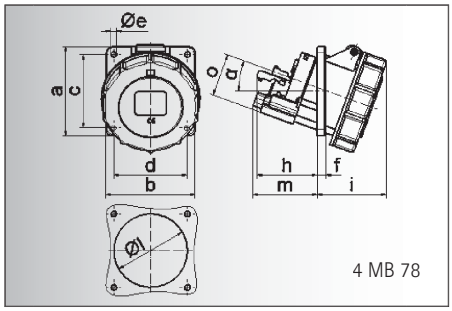
for measuring, monitoring, signalling etc.
IEC 60309-1/2, EN 60309, VDE 0623, VDE 0620
protection degree IP 44, IP 67



4 MB 76

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
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°

CEE-Panel Mounting Socket Outlet Quick-Connect TE
- screwless terminals
- angled
- normally open and normally closed contacts
- flange 85 x 85 mm
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44



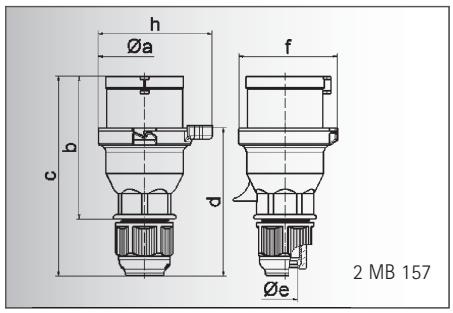
4 MB 78

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	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°

CEE-Panel Mounting Socket Outlet Quick-Connect TE
- screwless terminals
- angled
- normally open and normally closed contacts
- flange 85 x 85 mm
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

LOCKABLE QUICK-CONNECT DEVICES

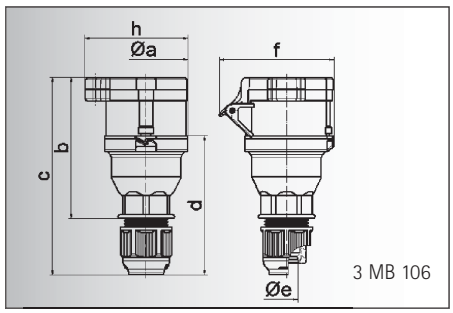
IEC 60309-1/2, EN 60309, VDE 0623, VDE 0620
protection degree IP 44



2 MB 157

Ampere	16	32
Poles	5	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

Plug Quick-Connect lockable
- screwless terminals
- lockable with corresponding connector
- threaded and self locking
- special gland, simultaneous cable gland and seal
- protection degree IP 44



3 MB 106

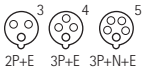
Ampere	16	32
Poles	5	5
a ø	66,0	74,5
b	113,5	134,5
c	154,0	187,0
d	105,5	128,5
e ø	18,0	23,0
f	86,0	97,0
h	82,0	100,0
Cond. mm² min	1	2,5
Cond. mm² max	2,5	6

Connector Quick-Connect lockable
- screwless terminals
- lockable with corresponding plug
- threaded and self locking
- Kontex-terminals
- special gland, simultaneous cable gland and seal
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles

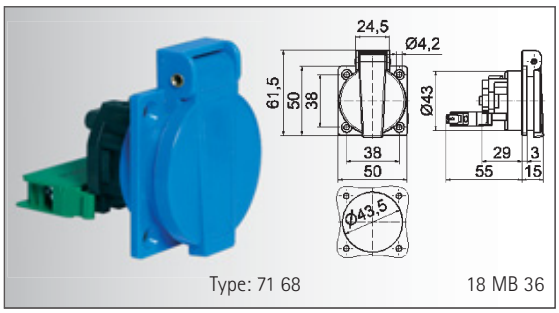


Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	Qty	g each
16	3		12 0583		**12 0584**									10	175
16	4							**12 0585**			12 0586			10	185
16	5							**12 0587**						10	195
32	3		12 0588		**12 0589**									10	265
32	4							**12 0590**			12 0591			10	275
32	5							**12 0592**						10	280



Type: 12 0587

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	Qty	g each
16	3		12 648		**12 1317**									10	185
16	4							**12 649**			12 653			10	215
16	5							**12 650**						10	235
32	3		12 651		**12 646**									10	280
32	4							**12 555**			12 652			10	290
32	5							**12 596**						10	330



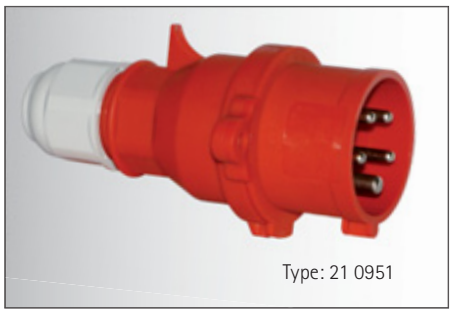
Type: 12 650

Type: 71 68 18 MB 36

Panel Mounting Socket Outlet Schuko Type
- with hinged lid
- protection degree IP 44

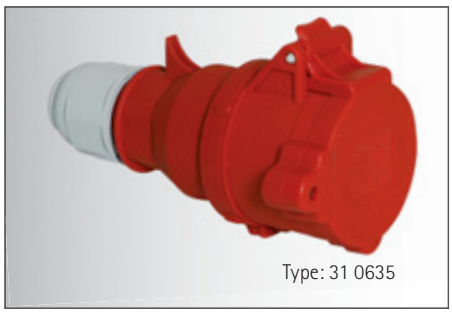
		Qty	g each
normally closed	**71 54**	20	80
normally open	**71 68**	20	80

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	Qty	g each
16	5							**21 0950**						10	180
32	5							**21 0951**						10	305



Type: 21 0951

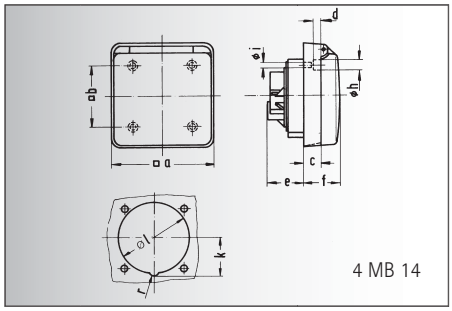
Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	Qty	g each
16	5							**31 0634**						10	145
32	5							**31 0635**						10	200



Type: 31 0635

SOCKETS

panel mounting socket outlets, surface mounting socket outlets, flush mounted sockets
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44

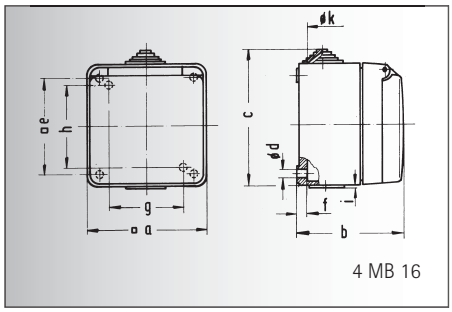


4 MB 14

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 ø	2,7	2,7	-
e	28,0	28,0	31,0
f	36,0	36,0	39,5
h ø	7,5	7,5	-
i ø	4,8	4,8	4,1
k	-	34,0	42,5
l	54,0	64,0	75,0
r	-	10,0	10,0

Panel Mounting Socket Outlet
- straight plug in direction suitable for cable trunkings and energy bollard
- 16A suitable for cable trunking socket with fixing measures 70 x 70 mm
- 32A suitable for cable trunking socket with fixing measures 60 x 60 mm
- protection degree IP 44

suitable angled plug s.p. 51/5

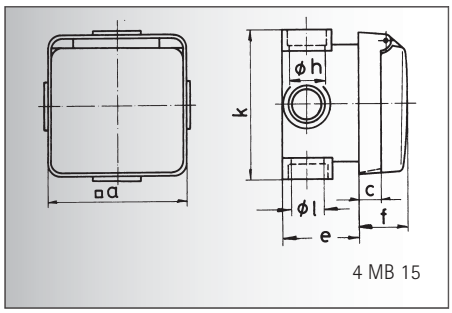


4 MB 16

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

panel mounting socket outlet
- straight plug-in direction
- cable entry one on top (open), one on bottom (closed)
- protection degree IP 44

suitable angled plug s.p. 51/5



4 MB 15

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 ø	18,5	18,5	22,5
k	91,0	91,0	109,0
l ø	18,5	18,5	18,5

Flush Mounted Sockets
- Flange 90 x 90 mm
- drill hole distance 53 x 53 mm
- protection degree IP 44

suitable angled plug s.p. 51/5

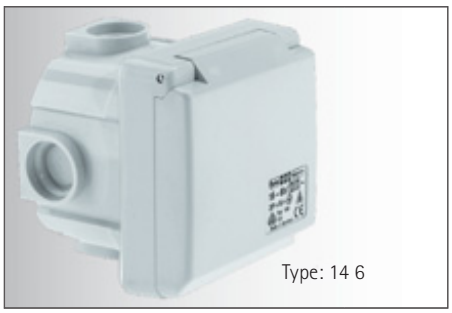
Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3	13 048			**13 105**			13 106												10	205
16	5				13 107			**13 108**												10	240
32	5							**13 146**												10	305

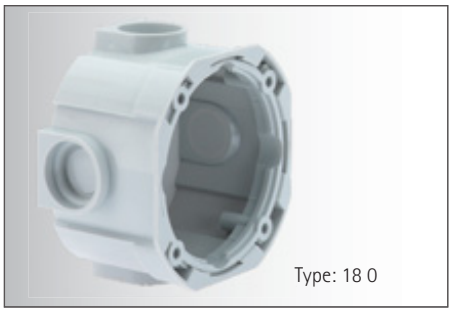

Type: 13 108

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3	11 554			**11 83**			11 84												10	255
16	5				11 85			**11 86**			11 389									10	290
32	5							**11 190**												5	405

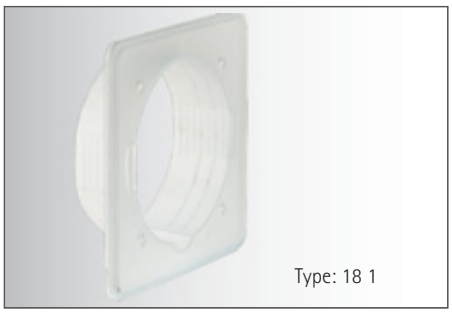

Type: 11 86

Ampere	Poles	110V 50-60 Hz 3pol 4h	110V 50-60 Hz 4pol 4h	110V 50-60 Hz 5pol 4h	230V 50-60 Hz 3pol 6h	230V 50-60 Hz 4pol 9h	230V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	500V 50-60 Hz 3pol 7h	500V 50-60 Hz 4pol 7h	500V 50-60 Hz 5pol 7h	100-300Hz > 50V 3pol 10h	100-300Hz > 50V 4pol 10h	100-300Hz > 50V 5pol 10h	301-500Hz > 50V 3pol 2h	301-500Hz > 50V 4pol 2h	301-500Hz > 50V 5pol 2h	Qty	g each
16	3				**14 0**			14 1												10	235
16	5				14 7			**14 6**												10	265
32	5							14 2												10	400


Type: 14 6


Type: 18 0

Flush Mounted Box
- for a.m. panel mounting socket outlet
- Cat. No. **18 0**

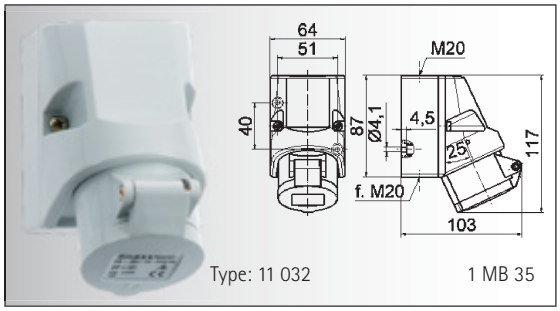

Type: 18 1

Equalising Ring
- for a.m. panel mounting socket outlet
- Cat. No. **18 1**

PLUGS AND SOCKET

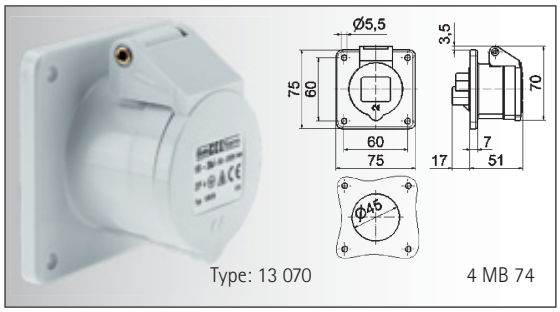
for direct current,
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 44

	Poles		> 50V up to 250V	> 250V		
	Ampere	Poles	3h	8h	Qty	g each
Surface Mounting Socket Outlet • screw terminals • protection degree IP 44	16	3	**11 032**		10	210



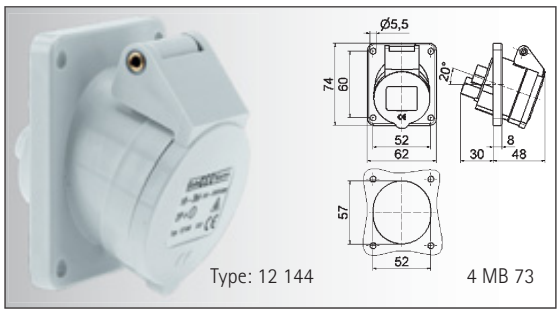
Type: 11 032 1 MB 35

Panel mounting socket outlet • screw terminals • straight • protection degree IP 44	16	3	**13 070**		10	140



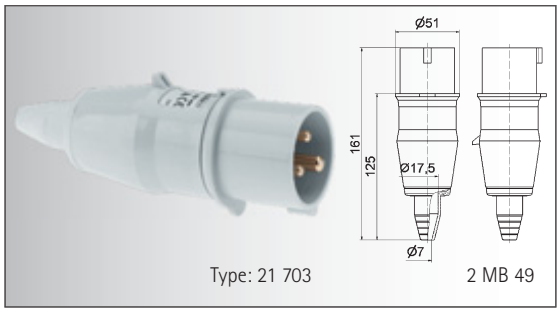
Type: 13 070 4 MB 74

Panel mounting socket outlet • screw terminals • angled • protection degree IP 44	16	3	**12 144**		10	130



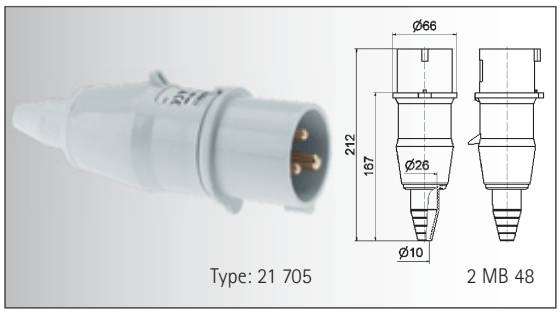
Type: 12 144 4 MB 73

Plug • screw terminals • with long cable sleeve • protection degree IP 44	16	3	**21 702**	21 703	10	155



Type: 21 703 2 MB 49

Plug • screw terminals • with long cable sleeve • protection degree IP 44	32	3	**21 704**	21 705	10	245



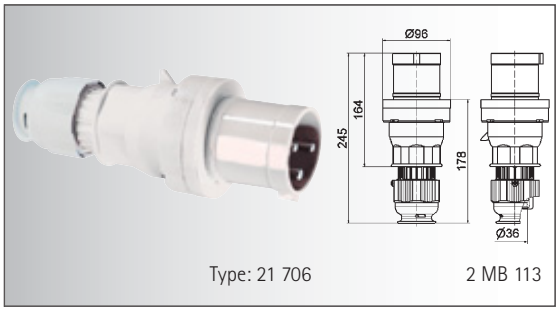
Type: 21 705 2 MB 48

For further information please see Bals.com · Other voltages and frequencies are available on request.

PLUGS AND SOCKET

for direct current,
IEC 60309-1/2, EN 60309, VDE 0623, protection degree IP 44

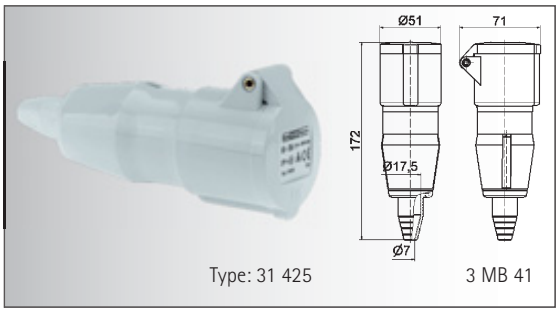
Ampere	Poles	> 50V up to 250V 3h	> 250V 8h	Qty	g each
	Poles 3				



Type: 21 706 — 2 MB 113

Plug with Multi-Grip
- screw terminals
- special gland, simultaneous cable gland and seal
- protection degree IP 44

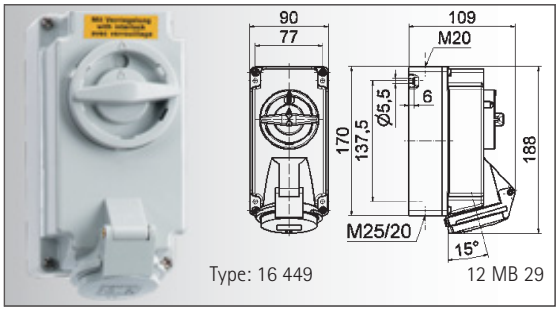
63 | 3 | **21 706** | | 10 | 610



Type: 31 425 — 3 MB 41

Connector
- screw terminals
- with long cable sleeve
- protection degree IP 44

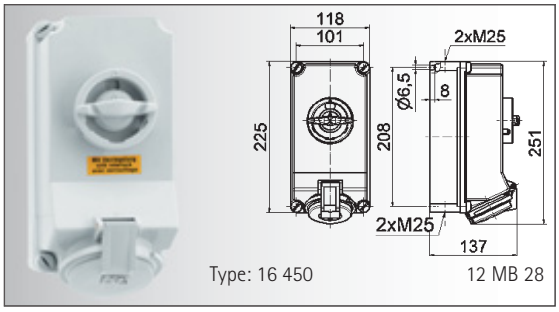
16 | 3 | **31 425** | | 10 | 180



Type: 16 449 — 12 MB 29

Surface Mounting Socket Outlet
- screw terminals
- switched
- with mechanical double interlocking
- in 0-position lockable
- protection degree IP 44

16 | 3 | **16 449** | | 1 | 640



Type: 16 450 — 12 MB 28

Surface Mounting Socket Outlet
- screw terminals
- switched
- with mechanical double interlocking
- in 0-position lockable
- protection degree IP 44

32 | 3 | **16 450** | | 1 | 1270

13



PLUGS AND SOCKETS FOR MILITARY APPLICATIONS

PLUGS AND SOCKETS FOR MILITARY APPLICATIONS

Panel Mounting Socket Outlets, Plugs, Appliance Inlets, Connectors, Panel Mounting Socket Outlets Schuko Type, Plugs Schuko Type, Appliance Inlets Schuko Type, Connectors Schuko Types, Three-Way Connectors Schuko Type

Quality assured

Preferred scopes

Military applications

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CEE-Appliance Inlets
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Schuko Type
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Plugs Schuko Type
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Three-Way Connectors
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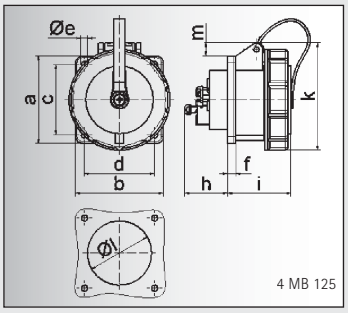


Operating Windows
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TN-PLUGS AND SOCKETS

Colour: bronze-green RAL 6031-F9
IEC 60309-1/2, EN 60309, VDE 0623, VG 96919
protection degree IP 67

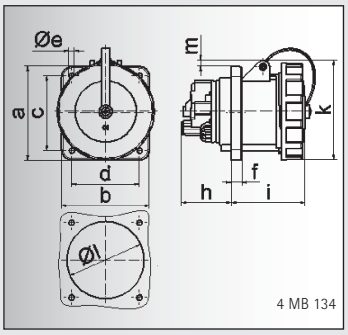


4 MB 125

AMPERE	16			32		
POLES	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	35,0	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

Panel Mounting Socket Outlet Quick-Connect

- screwless terminals
- straight
- Kontex-terminals
- high temperature resistant contact carrier
- nickel plated contacts
- flange 75 x 75 mm
- protection degree IP 67



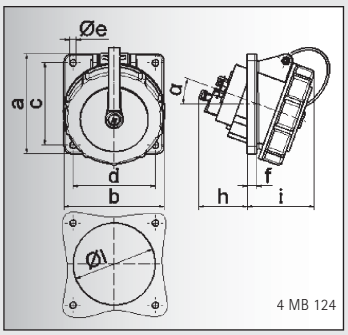
4 MB 134

AMPERE	63			125		
POLES	3	4	5	3	4	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

Panel Mounting Socket Outlet

- screw terminals
- straight
- high temperature resistant contact carrier
- box terminal
- Kontex-Plus
- nickel plated contacts
- protection degree IP 67

(form AS)



4 MB 124

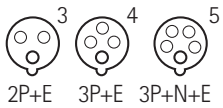
AMPERE	16			32		
POLES	3	4	5	3	4	5
a	85,0	85,0	85,0	85,0	85,0	85,0
b	85,0	85,0	85,0	85,0	85,0	85,0
c	70,0	70,0	70,0	70,0	70,0	70,0
d	70,0	70,0	70,0	70,0	70,0	70,0
e ø	5,5	5,5	5,5	5,5	5,5	5,5
f	8,0	8,0	8,0	8,0	8,0	8,0
h	46,0	46,0	46,0	50,0	50,0	50,0
i	57,0	57,0	60,0	67,0	67,0	69,0
l ø	57,0	65,0	70,0	78,0	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 Quick-Connect

- screwless terminals
- angled 20°
- Kontex-terminals
- high temperature resistant contact carrier
- nickel plated contacts
- flange 85 x 85 mm
- protection degree IP 67

Bals ELEKTROTECHNIK

Poles



Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
16	3	Cat. No.	**13 064***								13 098			170
		Supply No. 5935-12-...	320-7272											
		VG-Type No. VG 96919...	AS 013								AS 039			
16	4	Cat. No.	13 928			**13 633**			13 929		13 930			205
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	AS 020			AS 018			AS 021		AS 022			
16	5	Cat. No.	13 189*			**13 065***			13 182*		13 183*			220
		Supply No. 5935-12-...				300-5324								
		VG-Type No. VG 96919...	AS 002			AS 001			AS 003		AS 004			
32	3	Cat. No	**13 032**								13 932			275
		.Supply No. 5935-12-...												
		VG-Type No. VG 96919...	AS 042								AS 044			
32	4	Cat. No.	13 933			**13 634**			13 166		13 935			290
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	AS 025			AS 023			AS 026		AS 027			
32	5	Cat. No.	13 297*			**13 066***			13 184*		13 175*			345
		Supply No. 5935-12-...				300-5323					321-5242			
		VG-Type No. VG 96919...	AS 006			AS 005			AS 007		AS 008			


TYPE 13 066

Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
63	3	Cat. No.	**13 186**								13 927			500
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	AS 047								AS 049			
63	4	Cat. No.	13 924			**13 839**			13 925		13 926			580
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	AS 030			AS 028			AS 031		AS 032			
63	5	Cat. No.	13 298*			**13 067***			13 187*		13 188*			620
		Supply No. 5935-12-...				300-3603					321-5243			
		VG-Type No. VG 96919...	AS 010			AS 009			AS 011		AS 012			
125	3	Cat. No.	**13 840**								13 923			930
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	AS 052								AS 054			
125	4	Cat. No	13 919			**13 841**			13 920		13 921			1090
		.Supply No. 5935-12-...												
		VG-Type No. VG 96919...	AS 035			AS 033			AS 036		AS 037			
125	5	Cat. No.	13 915			**13 647**			13 916		13 918			1210
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	AS 015			AS 014			AS 016		AS 017			


TYPE 13 067

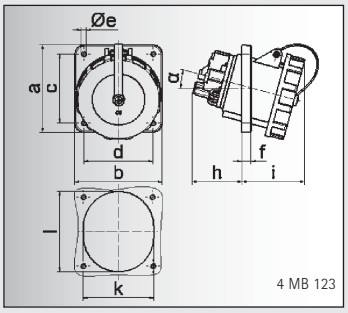
Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
16	3	Cat. No.	**12 085***								12 280			185
		Supply No. 5935-12-...	347-4131											
		VG-Type No. VG 96919...	BS 017								BS 039			
16	4	Cat. No	12 0025			**12 699**			12 0026		12 0027			215
		.Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BS 020			BS 018			BS 021		BS 022			
16	5	Cat. No.	12 242*			**12 086***			12 235*		12 236*			235
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BS 002			BS 001			BS 003		BS 004			
32	3	Cat. No.	**12 169**								12 0029			245
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BS 042								BS 044			
32	4	Cat. No.	12 0030			**12 700**			12 0031		12 0032			260
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BS 025			BS 023			BS 026		BS 027			
32	5	Cat. No.	12 340*			**12 087***			12 237*		12 238*			300
		Supply No. 5935-12-...				306-7781					311-1928			
		VG-Type No. VG 96919...	BS 006			BS 005			BS 007		BS 008			


TYPE 12 087

* approval in according with to VG 96919

TN-PLUGS AND SOCKETS

Colour: bronze-green RAL 6031-F9
IEC 60309-1/2, EN 60309, VDE 0623, VG 96919
protection degree IP 67

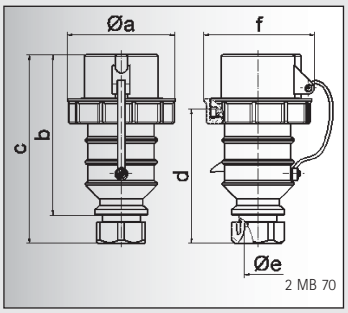


AMPERE	63			125		
POLES	3	4	5	3	4	5
a	114,0	114,0	114,0	114,0	114,0	114,0
b	114,0	114,0	114,0	114,0	114,0	114,0
c	90,0	90,0	90,0	90,0	90,0	90,0
d	90,0	90,0	90,0	90,0	90,0	90,0
e ø	5,5	5,5	5,5	6,5	6,5	6,5
f	12,0	12,0	12,0	12,0	12,0	12,0
h	65,0	65,0	65,0	82,0	82,0	82,0
i	82,0	82,0	82,0	90,0	90,0	90,0
k	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

Panel Mounting Socket Outlet

- screw terminals
- angled
- flange 114x114 mm
- high temperature resistant contact carrier
- box terminal
- Kontex-Plus
- nickel plated contacts
- protection degree IP 67

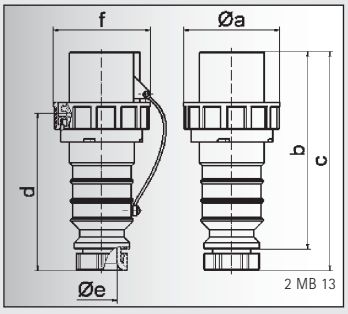
(form BS)



AMPERE	16			32		
POLES	3	4	5	3	4	5
a ø	70,5	78,0	86,5	94,0	94,0	101,5
b	120,0	120,0	122,0	152,0	152,0	153,0
c	148,0	148,0	150,0	177,0	177,0	178,0
d	106,5	106,5	109,0	126,0	126,0	127,0
e ø	16,0	16,0	16,0	22,5	22,5	22,5
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 Quick-Connect

- screwless terminals
- high temperature resistant contact carrier
- nickel plated contacts
- with closure cap
- protection degree IP 67



AMPERE	63			125		
POLES	3	4	5	3	4	5
a ø	113,5	113,5	113,5	126,0	126,0	126,0
b	226,0	226,0	226,0	263,0	263,0	263,0
c	260,0	260,0	260,0	298,0	298,0	298,0
d	189,0	189,0	189,0	218,0	218,0	218,0
e ø	36,5	36,5	36,5	50,0	50,0	50,0
f	115,0	115,0	115,0	126,0	126,0	126,0
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

Plug

- screw terminals
- high temperature resistant contact carrier
- box terminal
- nickel plated contacts
- with closure cap
- protection degree IP 67

(form CP)

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles



Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
63	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**12 239** BS 047								12 0034 BS 049			610
63	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	12 0035 BS 030			**12 953** BS 028			12 0036 BS 031		12 0037 BS 032			680
63	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	12 341* BS 010			**12 088*** 347-4133 BS 009			12 240* BS 011		12 241* BS 012			730
125	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**12 954** BS 052								12 0039 BS 054			1070
125	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	12 0041 BS 035			**12 955** BS 033			12 0042 BS 036		12 0043 BS 037			1230
125	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	12 342* BS 014			**12 191*** 347-4132 BS 013			12 343* BS 015		12 264* 347-3942 BS 016			1350


TYPE 12 088

Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
16	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**21 220*** 312-5515 CP 017								210 403 CP 039			215
16	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	210 404 CP 020			**210 077** CP 018			210 405 CP 021		210 406 CP 022			250
16	5	Cat. No .Supply No. 5935-12-... VG-Type No. VG 96919...	21 423* CP 002			**21 208*** 300-3599 CP 001			21 424* CP 003		21 425* CP 004			290
32	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**21 221** CP 042								210 408 CP 044			365
32	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	210 409 CP 025			**210 078** CP 023			210 410 CP 026		210 411 CP 027			400
32	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	21 426* CP 006			**21 209*** 300-3596 CP 005			21 427* 348-5139 CP 007		21 380* 312-4197 CP 008			455


TYPE 21 209

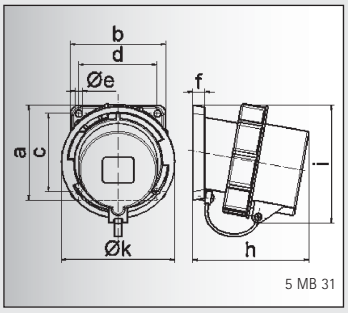
Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
63	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**210 256** CP 047								210 413 CP 049			820
63	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	210 414 CP 030			**210 263** CP 028			210 415 CP 031		210 417 CP 032			890
63	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	21 428* CP 010			**21 210*** 300-5325 CP 009			21 429* CP 011		21 430* CP 012			945
125	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**210 264** CP 052								210 419 CP 054			1390
125	4	Cat. No .Supply No. 5935-12-... VG-Type No. VG 96919...	210 421 CP 035			**210 265** CP 033			210 422 CP 036		210 423 CP 037			1410
125	5	Cat. No .Supply No. 5935-12-... VG-Type No. VG 96919...	21 431* CP 014			**21 033*** 327-8595 CP 013			21 432* CP 015		21 433* CP 016			1535


TYPE 21 210

* approval in according with VG 96919

TN-PLUGS AND SOCKETS

Colour: bronze-green RAL 6031-F9
IEC 60309-1/2, EN 60309, VDE 0623, VG 96919
protection degree IP 67



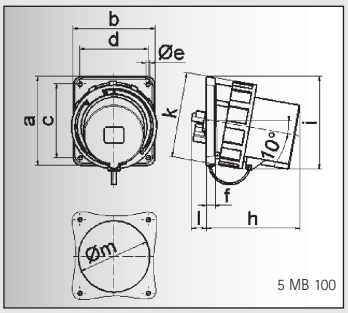
5 MB 31

AMPERE	16			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 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
- flange 85x85 mm
- high temperature resistant contact carrier
- nickel plated contacts
- with closure cap
- protection degree IP 67

(form BP)



5 MB 100

AMPERE	63			125		
POLES	3	4	5	3	4	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

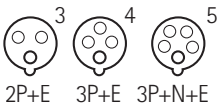
Appliance Inlet with Flange

- screw terminals
- high temperature resistant contact carrier
- box terminal
- nickel plated contacts
- with closure cap
- protection degree IP 67

(form BP)

Bals ELEKTROTECHNIK

Poles



Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
16	3	Cat. No.	**27 046***								27 286			200
		Supply No. 5935-12-...	319-7028											
		VG-Type No. VG 96919...	BP 013								BP 039			
16	4	Cat. No.	27 287			**27 204**			27 288		27 289			230
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BP 020			BP 018			BP 021		BP 022			
16	5	Cat. No.	27 104*			**27 02***			27 105*		27 106*			250
		Supply No. 5935-12-...				300-3598								
		VG-Type No. VG 96919...	BP 002			BP 001			BP 003		BP 004			
32	3	Cat. No.	**27 45**								27 291			315
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BP 042								BP 044			
32	4	Cat. No.	27 292			**27 201**			27 293		27 294			335
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BP 025			BP 023			BP 026		BP 027			
32	5	Cat. No.	27 107*			**27 03***			27 108*		27 043*			380
		Supply No. 5935-12-...				188-9997					312-4195			
		VG-Type No. VG 96919...	BP 006			BP 005			BP 007		BP 008			



TYPE 27 03

Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
63	3	Cat. No.	**27 267**								27 295			790
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BP 0047								BP 049			
63	4	Cat. No.	27 296			**27 268**			27 297		27 298			810
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BP 030			BP 028			BP 031		BP 032			
63	5	Cat. No.	27 109*			**27 04***			27 110*		27 045*			840
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BP 010			BP 009			BP 011		BP 012			
125	3	Cat. No.	**27 269**								27 299			1180
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BP 052								BP 054			
125	4	Cat. No.	27 300			**27 270**			27 301		27 302			1310
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BP 035			BP 033			BP 036		BP 037			
125	5	Cat. No.	27 303			**27 102**			27 304		27 305			1430
		Supply No. 5935-12-...												
		VG-Type No. VG 96919...	BP 015			BP 014			BP 016		BP 017			

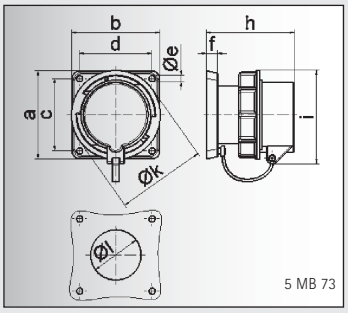


TYPE 27 04

* approval in according with VG 96919

TN-PLUGS AND SOCKETS

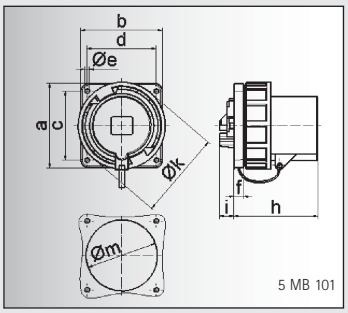
Colour: bronze-green RAL 6031-F9
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



AMPERE	16			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 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, straight

- screw terminals
- high temperature resistant contact carrier
- nickel plated contacts
- with closure cap
- protection degree IP 67



AMPERE	63			125		
POLES	3	4	5	3	4	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

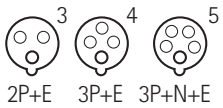
Appliance Inlet with Flange, straight

- screw terminals
- high temperature resistant contact carrier
- box terminal
- nickel plated contacts
- with closure cap
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

Poles



Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
16	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**28 92**											200
16	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...				**28 93**								230
16	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...				**28 94**								250
32	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**28 95**											315
32	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...				**28 96**								335
32	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...				**28 97**								385

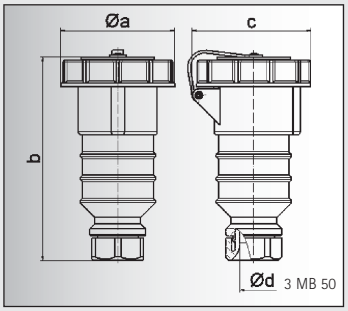

TYPE 28 97

Ampere	Poles		230 V 50-60 Hz 3pol 6h	230 V 50-60 Hz 4pol 9h	230 V 50-60 Hz 5pol 9h	400V 50-60 Hz 3pol 9h	400V 50-60 Hz 4pol 6h	400V 50-60 Hz 5pol 6h	440V 60 Hz 4pol 11h	440V 60 Hz 5pol 11h	301-500 Hz > 50V 3pol 2h	301-500 Hz > 50V 4pol 2h	301-500 Hz > 50V 5pol 2h	g/ each
63	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**28 042**											585
63	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...				**28 000**								605
63	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...				**28 53**								625
125	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**28 043**											960
125	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...				**28 044**								1110
125	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...				**28 045**								1230


TYPE 28 53

TN-PLUGS AND SOCKETS

Colour: bronze-green RAL 6031-F9
IEC 60309-1/2, EN 60309, VDE 0623, VG 96919
protection degree IP 67

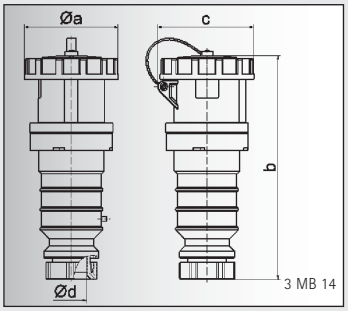


AMPERE	16			32		
POLES	3	4	5	3	4	5
a ø	70,5	78,0	86,5	94,0	94,0	101,5
b	156,0	156,0	160,0	188,0	188,0	188,0
c	77,0	83,0	93,0	98,0	98,0	107,0
d ø	16,0	16,0	16,0	22,5	22,5	22,5
Cond. mm² min.	1,0	1,0	1,0	2,5	2,5	2,5
Cond. mm² max.	2,5	2,5	2,5	6,0	6,0	6,0

Connector Quick-Connect

- screwless terminals
- Kontex-terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

(form DS)



AMPERE	63			125		
POLES	3	4	5	3	4	5
a ø	110,0	110,0	110,0	126,0	126,0	126,0
b	272,0	272,0	272,0	308,0	308,0	308,0
c	113,0	113,0	113,0	130,0	130,0	130,0
d ø	36,5	36,5	36,5	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

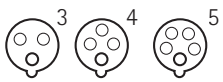
Connector

- screw terminals
- high temperature resistant contact carrier
- box terminal
- Kontex-Plus
- nickel plated contacts
- protection degree IP 67

(form DS)

Bals ELEKTROTECHNIK

Poles



Ampere	Poles		230 V 50-60 Hz			400V 50-60 Hz			440V 60 Hz		301-500 Hz > 50V			g/ each
			3pol 6h	4pol 9h	5pol 9h	3pol 9h	4pol 6h	5pol 6h	4pol 11h	5pol 11h	3pol 2h	4pol 2h	5pol 2h	
16	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**31 162*** 312-5516 DS 017								310 163 DS 039			215
16	4	Cat. No.V ersorgungs-Nr. 5935-12-... VG-Type No. VG 96919...	310 165 DS 020			**31 865** DS 018			310 167 DS 021		310 168 DS 022			225
16	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	31 318* DS 002			**31 150*** 300-3600 DS 001			31 319* DS 003		31 320* DS 004			280
32	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**31 032** DS 042								310 194 DS 044			360
32	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	310 169 DS 025			**31 866** DS 023			310 171 DS 026		310 172 DS 027			380
32	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	31 321* DS 006			**31 151*** 300-3597 DS 005			31 322* DS 007		31 323* 312-4196 DS 008			430



TYPE 31 151

Ampere	Poles		230 V 50-60 Hz			400V 50-60 Hz			440V 60 Hz		301-500 Hz > 50V			g/ each
			3pol 6h	4pol 9h	5pol 9h	3pol 9h	4pol 6h	5pol 6h	4pol 11h	5pol 11h	3pol 2h	4pol 2h	5pol 2h	
63	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**310 058** DS 047								310 177 DS 049			795
63	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	310 174 DS 030			**31 877** DS 028			310 175 DS 031		310 176 DS 032			855
63	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	31 324* DS 010			**31 152*** 300-5326 DS 009			31 325* DS 011		31 326* DS 012			875
125	3	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	**310 059** DS 052								310 179 DS 054			1185
125	4	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	310 180 DS 035			**310 060** DS 033			310 182 DS 036		310 183 DS 037			1325
125	5	Cat. No. Supply No. 5935-12-... VG-Type No. VG 96919...	31 327* DS 014			**31 027*** 322-8597 DS 013			31 328* DS 015		31 329* DS 016			1440



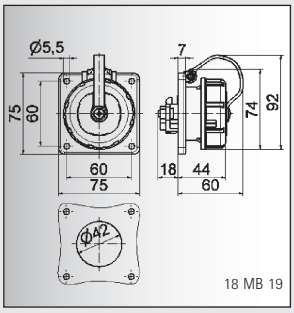
TYPE 31 152

* approval in according with VG 96919

TN PLUGS AND SOCKETS, SCHUKO TYPE

Colour: bronze-green RAL 6031-F9, protection degree IP 68
VDE 0620, VG 96926

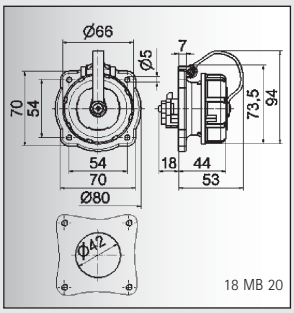

TYPE 71 08



	Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96926...
Panel Mounting Socket Outlet Schuko type • 16 A/250 V~ • protection degree IP 68			
German system	**71 08***	312-5115	AS 001
Belgian/French system	**71 85**		

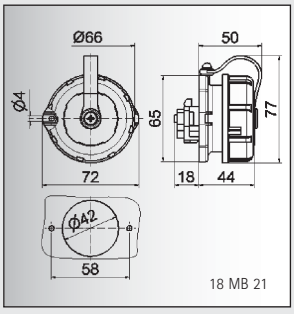
(form AS)


TYPE 71 14



	Cat. No.
Panel Mounting Socket Outlet Schuko type • 16 A/250 V~ • protection degree IP 68	
German system	**71 14**
Belgian/French system	**71 031**


TYPE 71 15



	Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96926...
Panel Mounting Socket Outlet Schuko type • 16 A/250 V~ • protection degree IP 68			
German system	**71 15***	314-4770	BS 001
Belgian/French system	**71 86**		

(form BS)

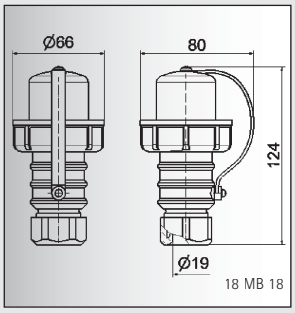
* approval according to VG 96926

For further information please see Bals.com · Other voltages and frequencies are available on request.

PLUGS AND SOCKETS, SCHUKO TYPE

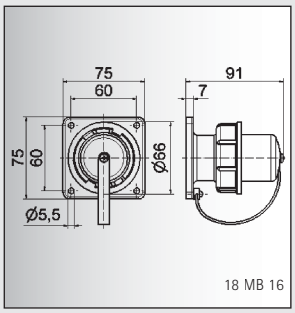
Colour: bronze-green RAL 6031-F9, protection degree IP 68
VDE 0620, VG 96926


TYPE 73 5



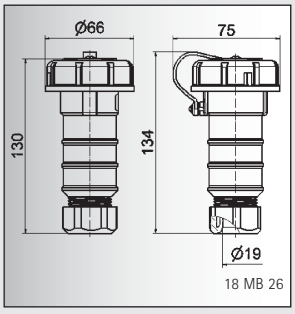
	Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96926...
Plug Schuko type • 16 A/250 V~ • with closure cap • protection degree IP 68 (form CP)	**73 5***	141-3149	CP 001


TYPE 75 3



	Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96926...
Appliance Inlet with Flange Schuko type • 16 A/250 V~ • with closure cap • protection degree IP 68 (form AP)	**75 3***	340-7272	AP 001


TYPE 74 5



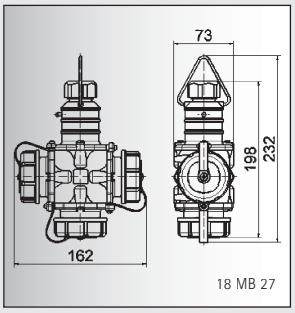
	Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96926...
Connector Schuko type • 16 A/250 V~ • with closure cap • protection degree IP 68			
German system	**74 5***	314-4771	DS 001
Belgian/French system	**74 24**		
(form DS)			

* approval according to VG 96926

THREE-WAY CONNECTOR SCHUKO TYPE, CLOSURE CAP, CLOSURE CAP FOR CEE AND SCHUKO DEVICES

Colour: bronze-green RAL 6031-F9, protection degree IP 68
VDE 0620, VG 96926


TYPE 74 00



18 MB 27

	Cat. No.
Three-way connector schuko type • 16 A/250 V~ • with closure cap, suspension clip, cable gland • protection degree IP 68	
German system	**74 00**
Belgian/French system	**74 23**


TYPE 83 20

Closure Cap
• for plug schuko type (Form H)

Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96926...
83 20*		H-16


TYPE 83 19

Closure Cap
• for connector schuko type (Form G)

Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96926...
83 19*		G-16


83 37

Closure Cap with Plastic String
• for CEE-plug
• protection degree IP 67

		Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96919...
16 A	3p	**83 35**		
16 A	4p	**83 36**		
16 A	5p	**83 37**		
32 A	3p, 4p	**83 38**		
32 A	5p	**83 39**		
63 A	3p, 4p, 5p	**83 40**		
125 A	3p, 4p, 5p	**83 41**		

* approval according to VG 96926

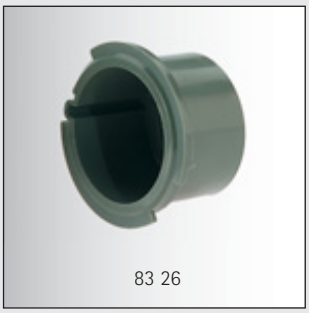
For further information please see Bals.com · Other voltages and frequencies are available on request.

TN-ACCESSORIES CLOSURE CAP

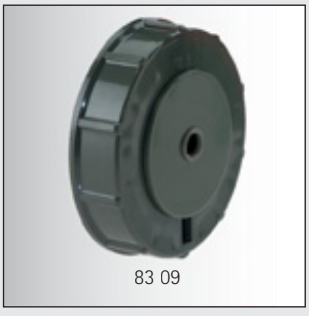
Colour: bronze-green RAL 6031-F9
IEC 60309-1/2, EN 60309, VDE 0623, VG 96919
protection degree IP 67


83 30

	Ampere	Poles	Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96919...
Closure Cap with Plastic String	16 A	3p	**83 28**		
• for CEE-connectors	16 A	4p	**83 29**		
• for CEE-panel mounting socket outlets	16 A	5p	**83 30**		
	32 A	3p, 4p	**83 31**		
	32 A	5p	**83 32**		
	63 A	3p, 4p, 5p	**83 33**		
	125 A	3p, 4p, 5p	**83 34**		


83 26

	Ampere	Poles	Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96919...
Closure Cap	16 A	3p	**83 18***		G-16-3
• for CEE-Plug	16 A	4p	**83 26**		G-16-4
• protection degree IP 67	16 A	5p	**83 14***		G-16-5
	32 A	3p, 4p	**83 27**		G-32-4
	32 A	5p	**83 15***	304-8143	G-32-5
	63 A	3p, 4p, 5p	**83 16***		G-63-5
(form G)	125 A	3p, 4p, 5p	**83 17***		G-125-5


83 09

	Ampere	Poles	Cat. No.	Supply No. 5935-12-...	VG-Type No. VG 96919...
Closure Cap	16 A	3p	**83 13***		F-16-3
• for CEE-connectors	16 A	4p	**83 24**		F-16-4
	16 A	5p	**83 09***		F-16-5
	32 A	3p, 4p	**83 25**		F-32-4
	32 A	5p	**83 10***		F-32-5
	63 A	3p, 4p, 5p	**83 11***		F-63-5
(form F)	125 A	3p, 4p, 5p	**83 12***		F-125-5

* approval in according with VG 96919

RUBBER DISTRIBUTION

stackable with impact resistant handle and hinged housing cover dimesions 320 x 245 mm
material of housing: high grade rubber (black), ready wired for installation
all sockets outlet and plugs in VG-quality, colour bronze-green, RAL 6031-F9



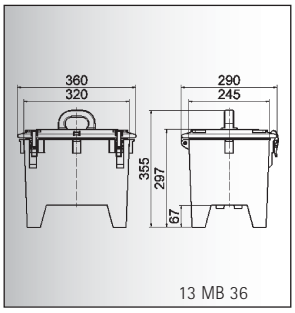
Housing 320 x 245 mm

protection degree IP 54 (DIN EN 60 529, VDE 0470T1)
earth terminal externally guided
2 CEE-Socket Outlets 16A 400V 5p (VG 96919 AS 001)
3 socket-outlets schuko type 16A 230V ~ (VG 96926 AS 001)
2 MCB D charact. 16A 3p
2 MCB C charact. 16A 1p
1 RCD 40/0,03A 4p

1 m cable H07RN-F5G6 (VG 95218-13-A004)
1 CEE-Plug 32A 400V 5p (VG 96919 CP 005)

RCD and MCB can be operated through an operating window equipped with milled screws

Cat. No.: 522 966





6 CEE-Socket Outlet 32A 400V 4p IP 67
6 MCB C charac. 32A 3p

2 m cable H07RN-F4G10
1 CEE-Plug 63A 400V 4p IP 67

fuse protection below hinged cover

Cat. No.: 522 965



1 CEE socket outlet 32A 400V 4p IP 67
3 CEE-Socket Outlet 16A 400V 5p IP 67
3 MCB B charac.16A 3p

1 CEE-Plug 32A 400V 5p IP 67
fuse protection below hinged cover

Cat. No.: 522 433



1 CEE socket outlet 32A 400V 5p IP 67
1 CEE socket outlet 32A 400V 4p IP 67
2 CEE-Socket Outlet 16A 230V 3p IP 67
2 socket-outlet schuko type 16A 230V ~ IP 67
(Belg.-/French System)
1 socket-outlet Schuko type 16A 230V ~ IP 67
1 MCB C charac. 25A 4p
2 MCB C charac.16A 2p

1 CEE-appliance inlet 32A 400V 5p IP 67

fuse protection below hinged cover

Cat. No.: 522 468



2 CEE-Socket Outlet 32A 400V 5p IP 67
1 CEE socket outlet 32A 400V 4p IP 67
2 MCB B charac. 32A 4p
1 MCB B charac. 32A 3p

1 CEE-appliance inlet 63A 400V 5p IP 67

fuse protection below hinged cover

Cat. No.: 522 639

For further information please see Bals.com · Other voltages and frequencies are available on request.

RUBBER DISTRIBUTION

stackable with impact resistant handle and hinged housing cover dimesions 320 x 245 mm
material of housing: high grade rubber (black), ready wired for installation
all sockets outlet and plugs in VG-quality, colour bronze-green, RAL 6031-F9



3 CEE-Socket Outlet 32A 400V 5p IP 67
2 CEE-Socket Outlet 32A 400V 4p IP 67
1 CEE socket outlet 32A 230V 3p IP 67

1 CEE-appliance inlet 32A 400V 5p IP 67

fuse protection below hinged cover

Cat. No.: 522 640



1 CEE socket outlet 32A 400V 5p IP 67
1 CEE socket outlet 32A 400V 4p IP 67
1 CEE socket outlet 16A 400V 5p IP 67
1 CEE socket outlet 16A 400V 4p IP 67
3 CEE-Socket Outlet 16A 230V 3p IP 67
2 socket-outlet schuko type 16A 230V~ IP 67
(belg.-/FrenchSystem)
1 MCB C charac. 25A 4p (Vorsicherung)
1 MCB C charac. 16A 4p
3 MCB B charac. 16A 2p

2 m cabel H07RN-F5G4
1 CEE-Plug 32A 400V 5p IP 67
fuse protection below hinged cover
Cat. No.: 522 762



1 CEE socket outlet 16A 230V 3p IP 67
7 socket-outlet schuko type 16A 230V~ IP 67
3 MCB C charac.16A 2p

2 m cabel H07RN-F5G4
1 CEE-Plug 32A 400V 5p IP 67

fuse protection below hinged cover

Cat. No.: 522 787



1 CEE socket outlet 32A 400V 5p IP 67
1 CEE socket outlet 32A 400V 4p IP 67
1 CEE socket outlet 32A 230V 3p IP 67
1 CEE socket outlet 16A 400V 5p IP 67
1 CEE socket outlet 16A 400V 4p IP 67
1 CEE socket outlet 16A 230V 3p IP 67
1 socket-outlet Schuko type 16A 230V~ IP 67
(Belgian/French system)
1 socket-outlet Schuko type 16A 230V~ IP 67
1 MCB B charac. 32A 2p
1 MCB B charac. 16A 4p
1 MCB B charac. 16A 3p
2 MCB B charac. 16A 2p

1 CEE-appliance inlet 32A 400V 5p IP 67
fuse protection below hinged cover
Cat. No.: 522 845



1 CEE socket outlet 32A 400V 5p IP 67
1 CEE socket outlet 32A 400V 4p IP 67
1 CEE socket outlet 32A 230V 3p IP 67
1 CEE socket outlet 16A 400V 5p IP 67
1 CEE socket outlet 16A 400V 4p IP 67
1 CEE socket outlet 16A 230V 3p IP 67
1 socket-outlet Schuko type 16A 230V ~ IP 67
2 MCB C charac.16A 3p
2 MCB C charac.16A 1p

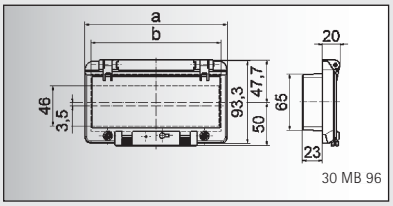
1 CEE-appliance inlet 32A 400V 5p IP 67
fuse protection below hinged cover
Cat. No.: 522 991

OPERATING WINDOWS

colour: black, bronze-green RAL 6031-F9 on request
operating window, self closing, transparent IP44, with milled screws, IP67,
lockable and/or lead-sealable, made of high grade impact resistant plastic


TYPE 58 170

Operating Window
- self closing
- with protection frame
- optional with locking kit

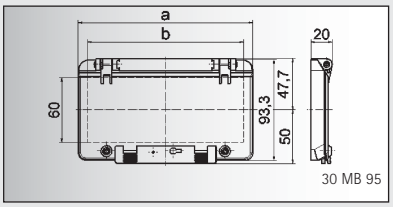


30 MB 96

module device	measurement a	measurement b	Cat. No.
2	55,0	40,5	**580 138**
4	91,0	76,5	**58 388**
6	127,0	112,5	**58 590**
8	162,0	147,5	**58 110**
12	234,0	220,0	**58 111**
13	257,5	248,5	**58 387**


TYPE 58 176

Operating Window
- self closing
- without protection frame
- optional with locking kit

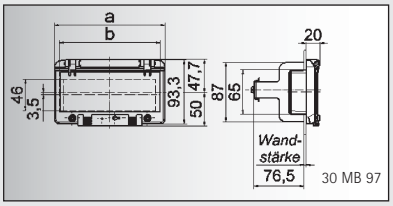


30 MB 95

module device	measurement a	measurement b	Cat. No.
2	55,0	37,0	**58 511**
4	91,0	73,0	**580 020**
6	127,0	109,0	**58 503**
8	162,0	144,5	**58 502**
12	234,0	217,0	**58 602**
13	257,5	240,0	**58 607**


TYPE 58 182

Operating Window
- self closing
- with protection frame and fixing facility
- optional with locking kit

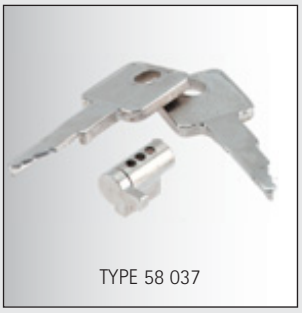


30 MB 97

module device	measurement a	measurement b	Cat. No.
2	55,0	40,5	**580 137**
4	91,0	76,5	**58 517**
6	127,0	112,5	**580 141**
8	162,0	147,5	**580 143**
12	234,0	220,0	**580 144**
13	257,5	248,5	**580 145**

For further information please see Bals.com · Other voltages and frequencies are available on request.

Cat. No.


TYPE 58 037

Locking kit **58 037**
- protection against unauthorised use by retrofit lock


TYPE 58 036

DIN-Screw **58 036**
- for additional interlocking
- mountable afterwards

14



EMPTY BOXES

EMPTY BOXES
made ofplastic and rubber

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Uni-Block-Hanging
Distribution Boxes
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Uni-Block-
Distribution Units
Page 239



Rubber Distributions
Portable
Page 239



Quality assured

Preferred scopes



Construction Industry



Camping site



Industry



Building Services



Farming

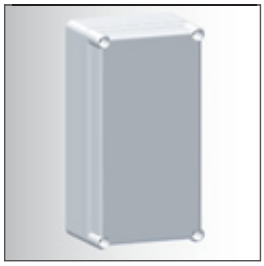


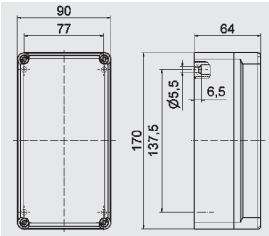
Harbour and Shipbuilding

PLASTIC DISTRIBUTION BOXES

for wall mounting

referenceY





30MB003

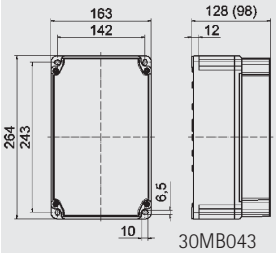
Distribution Box

- made of high grade impact resistant plastic
- stainless steel fixing screws

reference

61 00





30MB043

Distribution Box

- made of high grade impact resistant plastic
- stainless steel fixing screws

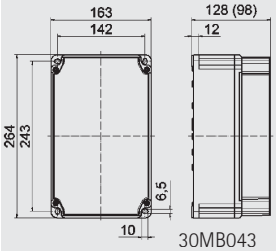
flat design **61 0**

high design **61 1**

Metric cable entry on request.

reference





30MB043

Distribution Box

- made of high grade impact resistant plastic
- with transparent cover, DIN rail, fuse cover, PE-and N-terminal
- 12 modules
- stainless steel fixing screws

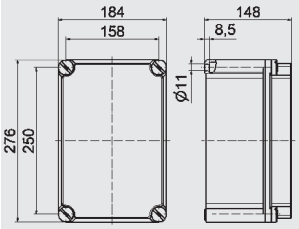
flat design **61 2**

high design **61 3**

Metric cable entry on request.

reference





30MB121

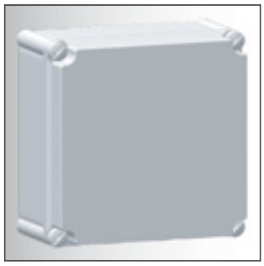
Distribution Box

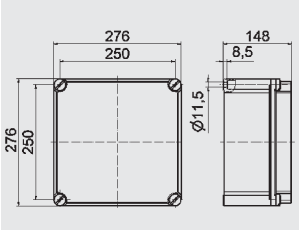
- made of high grade impact resistant plastic
- plastic fixing screws

61 133

Metric cable entry on request.

reference





30MB122

Distribution Box

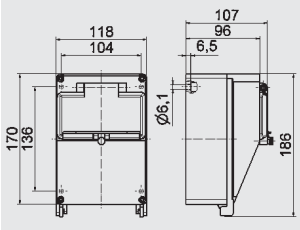
- made of high grade impact resistant plastic
- plastic fixing screws

61 134

Metric cable entry on request.

reference





30MB017

Distribution Box

- made of high grade impact resistant plastic
- 5 modules
- stainless steel fixing screws

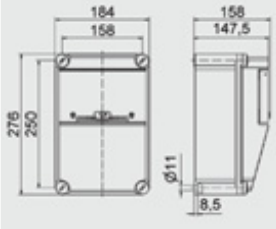
empty with transparent operating window **61 01**

with DIN rail, earth and neutral terminal and transparent operating window **61 02**

Metric cable entry on request.

reference





30MB145

Distribution Box

- made of high grade impact resistant plastic
- with transparent operating window
- 9 modules
- plastic fixing screws
- DIN rail

61 402

Metric cable entry on request.

reference

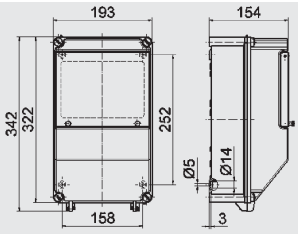
For further information please see Bals.com · Other voltages and frequencies are available on request.

PLASTIC DISTRIBUTION BOXES

for wall mounting

reference



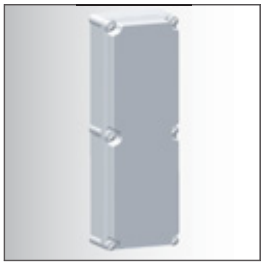


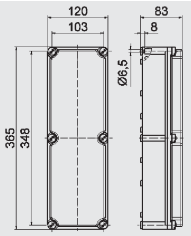
30MB074

Distribution Box
- made of high grade impact resistant plastic
- with transparent operating window
- 2 x 6 modules
- plastic fixing screws

Metric cable entry on request.

reference
61 47





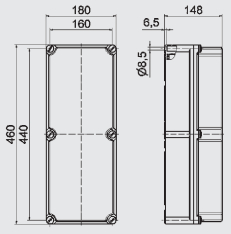
30MB073

Distribution Box
- made of high grade impact resistant plastic
- plastic fixing screws

Metric cable entry on request.

reference
61 51



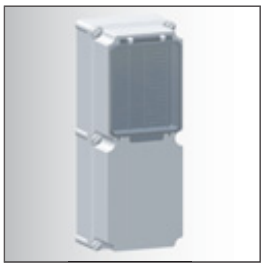


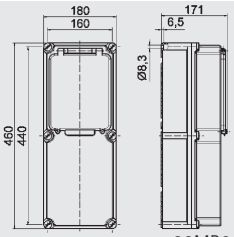
30MB045

Distribution Box
- made of high grade impact resistant plastic
- plastic fixing screws

Metric cable entry on request.

reference
61 28





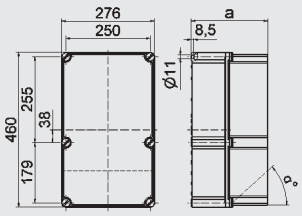
30MB044

Distribution Box
- made of high grade impact resistant plastic
- with transparent operating window and cover for fusing
- 16 modules
- plastic fixing screws

Metric cable entry on request.

reference
61 29





30MB098

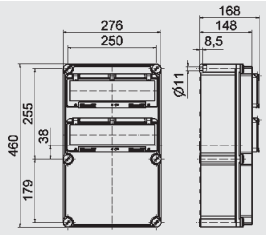
Distribution Box
- made of high grade impact resistant plastic
- plastic fixing screws
- mounting plate
- mounting plate

Metric cable entry on request.

α	a	reference
0°	148	**61 71**
0°	228	**61 70**
25°	228	**61 73**
42°	228	**61 72**
		58 040

reference





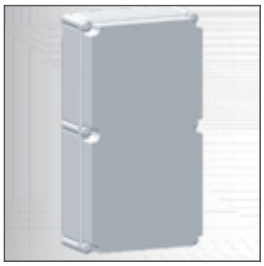
30MB137

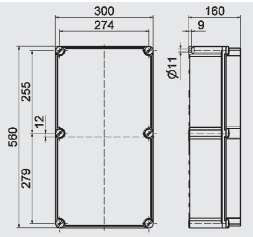
Distribution Box
- made of high grade impact resistant plastic
- plastic fixing screws
- 2 operating window for je 13 modules and DIN rail
- mounting plate

Metric cable entry on request.

reference
61 101

58 040





30MB169

Distribution Box
- made of high grade impact resistant plastic
- plastic fixing screws

Metric cable entry on request.

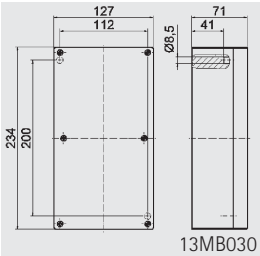
reference
61 421

PLASTIC AND RUBBER DISTRIBUTION BOXES

for wall mounting and portable

reference





13MB030

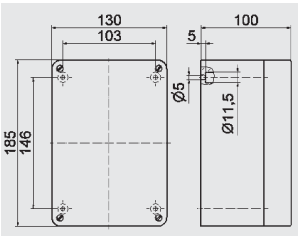
Distribution Box

- rubber

Metric cable entry on request.

reference
65 67





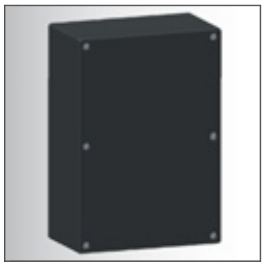
13MB070

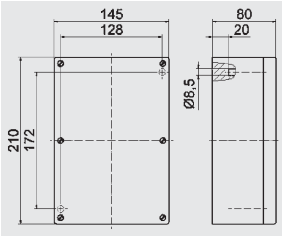
Distribution Box

- rubber

Metric cable entry on request.

reference
65 110





13MB082

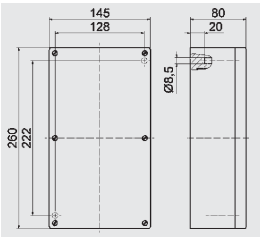
Distribution Box

- rubber

Metric cable entry on request.

reference
65 146





13MB083

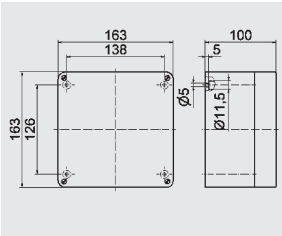
Distribution Box

- rubber

Metric cable entry on request.

reference
65 147





13MB069

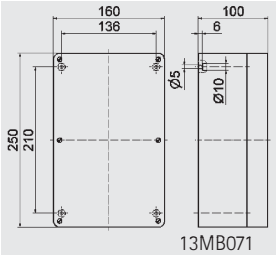
Distribution Box

- rubber

Metric cable entry on request.

reference
65 111





13MB071

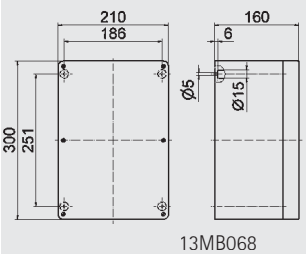
Distribution Box

- rubber

Metric cable entry on request.

reference
65 112





13MB068

Distribution Box

- rubber

Metric cable entry on request.

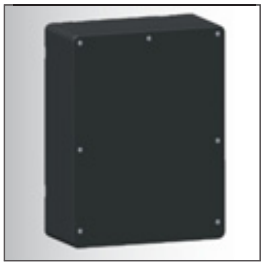
reference
65 113

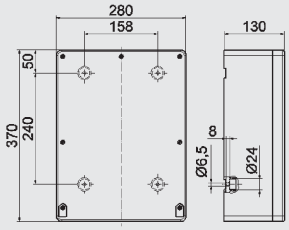
For further information please see Bals.com · Other voltages and frequencies are available on request.

RUBBER DISTRIBUTION BOXES

for wall mounting and portable

reference





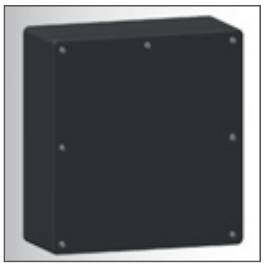
13MB088

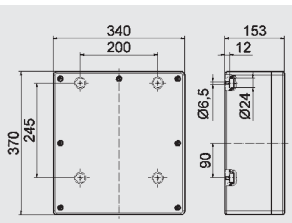
Distribution Box

- rubber

Metric cable entry on request.

reference
65 145





13MB087

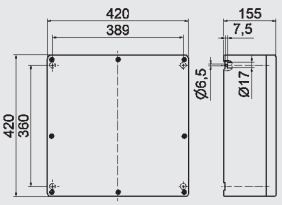
Distribution Box

- rubber

Metric cable entry on request.

reference
65 148





13MB073

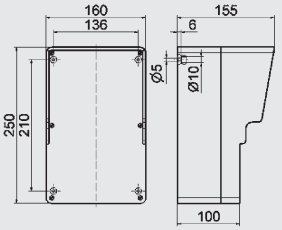
Distribution Box

- rubber

Metric cable entry on request.

reference
65 123





13MB091

Distribution Box

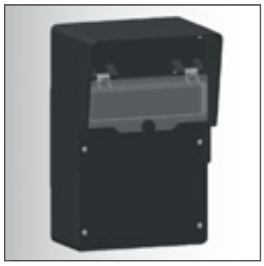
- rubber
- with protection shield for operating window

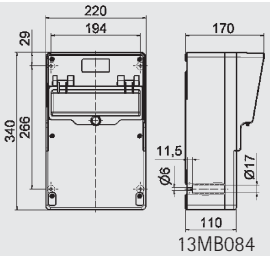
Metric cable entry on request.

reference
65 149

RUBBER DISTRIBUTION BOXES
for wall mounting

reference





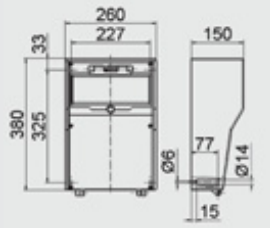
13MB084

Distribution box
- rubber
- 10 modules
- empty with transparent operating window

Metric cable entry on request.

reference
65 143





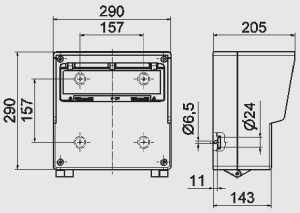
13MB017

Distribution box
- rubber
- without operating window
- empty with transparent operating window
- 12 modules
- empty with transparent operating window
- 12 modules
- with DIN rail, PE- and N-terminal

Metric cable entry on request.

reference
65 43
65 24
65 39



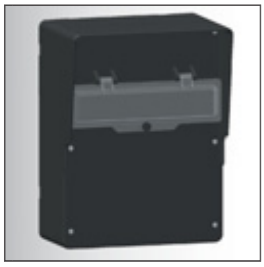


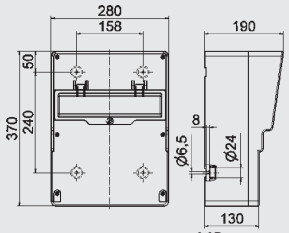
13MB019

Distribution box
- rubber
- without Operating window
- empty with transparent operating window
- 12 modules
- empty with transparent operating window
- 12 modules
- with DIN rail, PE- and N-terminal

Metric cable entry on request.

reference
65 66
65 40
65 41



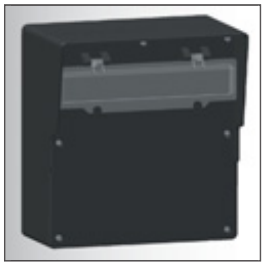


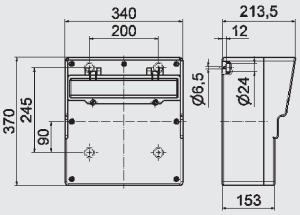
13MB089

Distribution box
- rubber
- empty with transparent operating window
- 13 modules

Metric cable entry on request.

reference
65 144



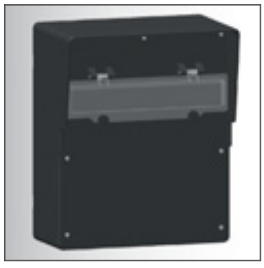


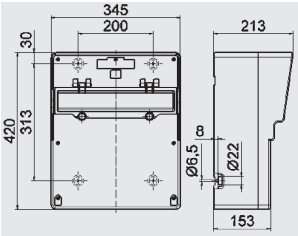
13MB055

Distribution box
- rubber
- empty with transparent operating window
- 17 modules
- empty with transparent operating window
- 17 modules
- with DIN rail, PE- and N-terminal

Metric cable entry on request.

reference
65 92
65 015





13MB090

Distribution box
- rubber
- empty with transparent operating window
- 17 modules

Metric cable entry on request.

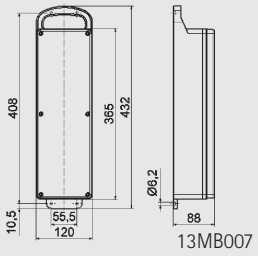
reference
65 017

RUBBER DISTRIBUTION BOXES

for wall mounting and portable

reference





13MB007

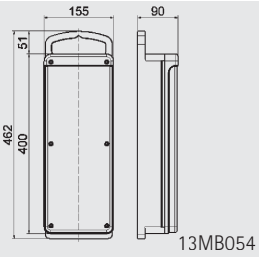
Block distribution box

- rubber

Metric cable entry on request.

reference
64 1





13MB054

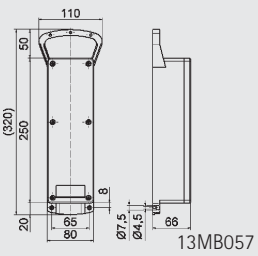
Block distribution box

- rubber

Metric cable entry on request.

reference
64 08





13MB057

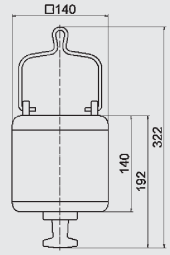
Block distribution box

- rubber

Metric cable entry on request.

reference
64 09





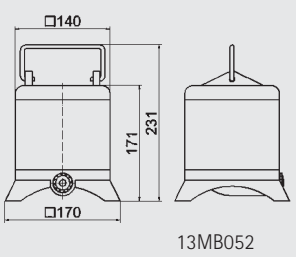
13MB056

Distribution box

- rubber
- with connection box terminal (5p)
- with suspension clip
- with rubber handle

reference
67 0





13MB052

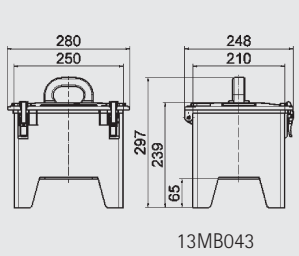
Distribution box

- rubber
- with connection box terminal (5p)
- with handle
- with base

Metric cable entry on request.

reference
67 3





13MB043

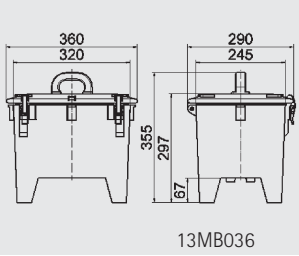
Distribution box

- rubber
- with hinged lid, snap fit and cover for twin plate for fuses

Metric cable entry on request.

reference
65 83





13MB036

Distribution box

- rubber
- with hinged lid, snap fit and cover for twin plate for fuses

Metric cable entry on request.

reference
65 77

15


ACCESSORIES

TABLE OF CONTENTS

Operating Windows
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Seal Kits for Housings
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Adapter Bases
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Preferred scopes


Construction Industry


Camping site


Industry


Building Services


Farming


Harbour and Shipbuilding

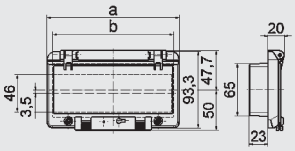
ACCESSORIES

operating window, self closing, transparent IP44, with milled screws, IP67, lockable and/or sealable, made of high grade impact resistant plastic



Operating Window

- self closing
- with protection frame



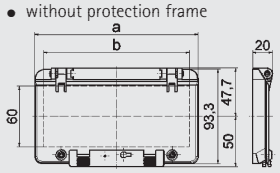
30MB096

module device	measurement a	measurement b	reference
2	55,0	40,5	**58 81**
4	91,0	76,5	**58 90**
6	127,0	112,5	**58 99**
8	162,0	147,5	**58 009**
12	234,0	220,0	**58 018**
13	257,5	248,5	**58 027**



Operating Window

- self closing
- without protection frame



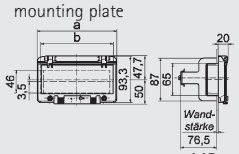
30MB095

module device	measurement a	measurement b	reference
2	55,0	37,0	**58 82**
4	91,0	73,0	**58 91**
6	127,0	109,0	**58 001**
8	162,0	144,5	**58 010**
12	234,0	217,0	**58 019**
13	257,5	240,0	**58 028**



Operating Window

- self closing
- with protection frame and mounting plate



30MB097

module device	measurement a	measurement b	reference
2	55,0	40,5	**58 85**
4	91,0	76,5	**58 94**
6	127,0	112,5	**58 004**
8	162,0	147,5	**58 013**
12	234,0	220,0	**58 022**
13	257,5	248,5	**58 031**



Locking kit

- protection against unwarranted use by retrofittable lock

reference
58 037



DIN Screw

- for add. locking

reference
58 036

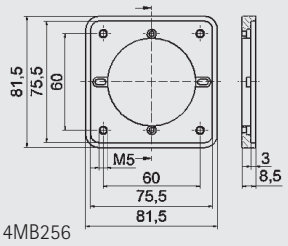
ACCESSORIES

intermediate flange, flush mounted sockets, mounting flange, flush mounted box, equalising ring, mounting frame



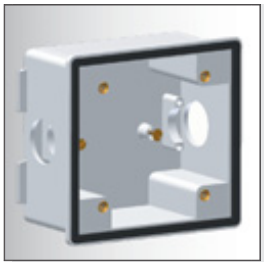
Intermediate Flange

- for panel mounting socket outlets 16A and 32A (straight)
- with Flange 75 x 75 mm
- drill hole distance 60 x 60 mm



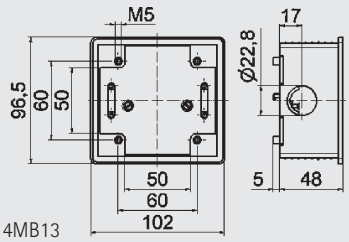
4MB256

reference
18 2



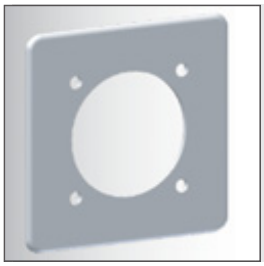
Flush Mounted Socket

- for panel mounting socket outlets
- with drill hole distance 60 x 60 mm
- without terminals



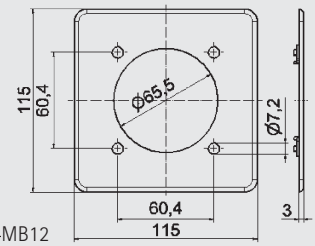
4MB13

reference
18 3



Mounting Flange

- for flush mounted socket typ 18 3



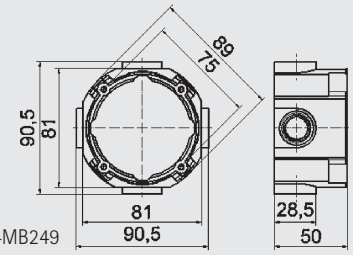
4MB12

reference
18 5



Flush Mounted Box

- for panel mounting socket outlets



4MB249

reference
18 0



Equalising Ring

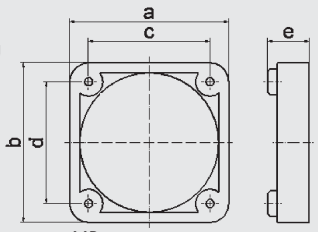
- for panel mounting sockets

reference
18 1



Mounting Frame

- for fixing panel mounting socket outlets



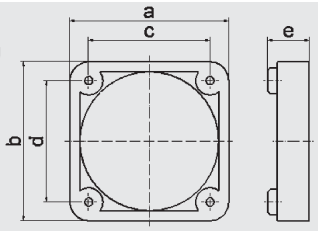
30MB182

a	b	c	d	e	reference
50	50	38	38	13	**18 43**
54	54	44	44	10	**18 47**
57	66	47	47	10	**18 48**
60	60	50	50	10	**18 49**
62	62	52	52	10	**18 50**
62	70	52	60	10	**18 51**



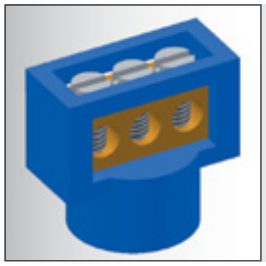
Mounting Frame

- for fixing panel mounting socket outlets and appliance inlets



30MB182

a	b	c	d	e	reference
70	70	60	60	12	**18 7**
71	80	52	70	10	**18 52**
80	80	70	70	13	**18 9**
87	95	77	85	12	**18 8**
100	110	90	90	10	**18 54**



Terminals for Through Wiring

	reference
green/ yellow	58 089
blue	58 090
grey	58 091



Wiring Kit

		reference
• for TK-combination socket	16 A	18 63
	32 A	18 96
G-fuse base		
• 5 x 20 mm DIN 41671		18 62
G-fuse	6,3 A	18 64
	10 A	18 65
	16 A	18 66



Suspended Hook

for Plug and Connectors with Multi-Grip cable gland system

	reference
at 16A	58 400
at 32A	58 401
at 63A and 125A	58 402



Closure Cap

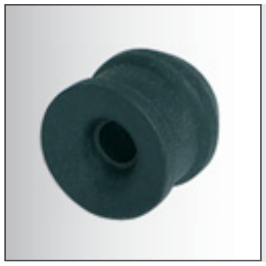
• for CEE-plugs
• protection degree IP 67

		reference
16 A	3p	83 0
16 A	4p	83 5
16 A	5p	83 1
32 A	3p, 4p	83 7
32 A	5p	83 2
63 A	3p, 4p, 5p	83 3
125 A	3p, 4p, 5p	83 4



External Cable Gland

			reference
• for plugs and connectors with Multi-Grip cable gland system	63 A	3p, 4p, 5p	29 132
at 63A and 125A	125 A	3p, 4p, 5p	29 133



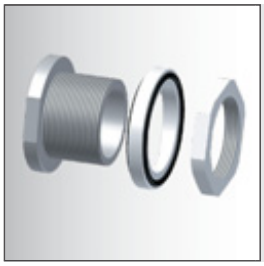
Reducer

suitable for cable diameter smaller than 8mm, available for all 16A plugs and connectors with Multi-Grip cable gland system

reference: 29 129

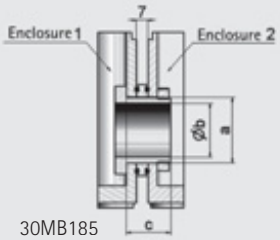
ACCESSORIES

Seals for housings, Adaptor base, Assembly Bracket



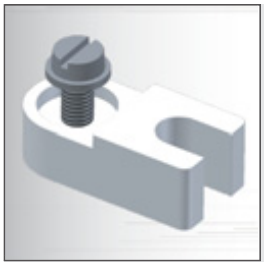
Seals for Housings

- to joint housings
- with cable feed through



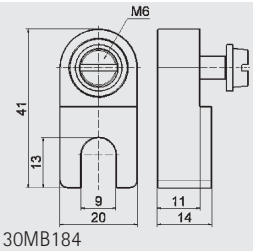
30MB185

measurements			reference
a	b	c	reference
M20	15	22	**580010**
M40	33	27	**580011**
M40	33	55	**580012**



Adapter Base

- for external fixing of housing 260 x 160 mm and 460 x 180 mm



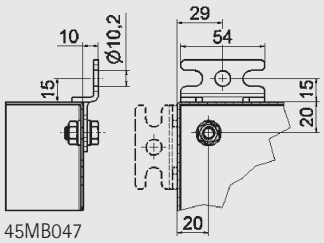
30MB184

reference
18 55



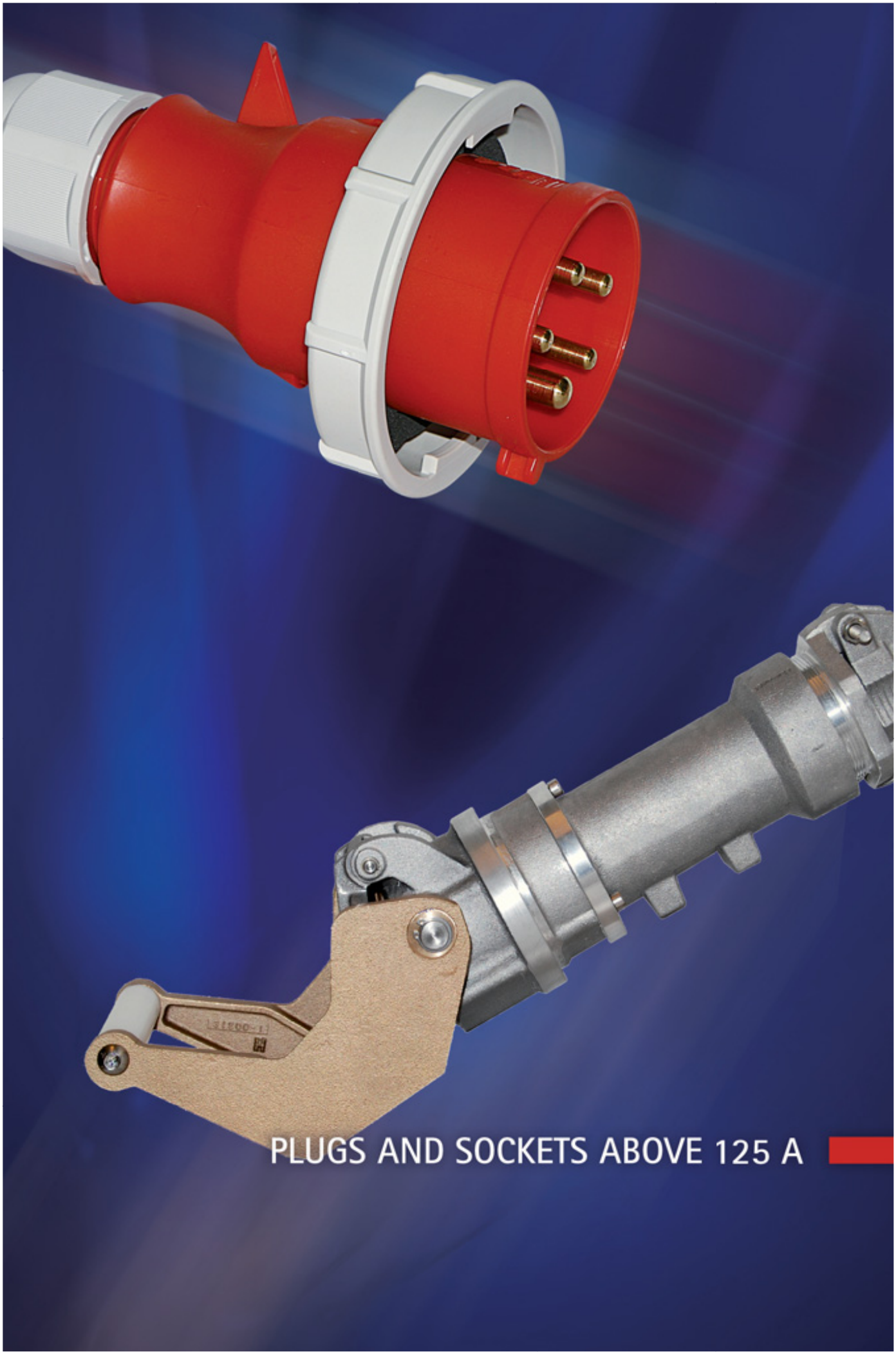
Assembly Bracket

- for mounting of metal housings



45MB047

reference
58 701

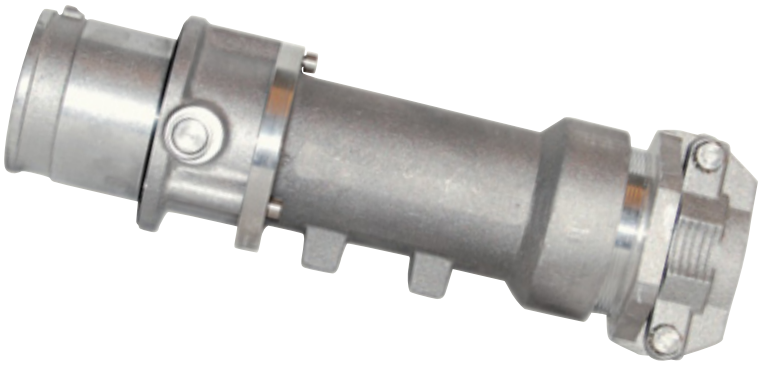

PLUGS AND SOCKETS ABOVE 125 A



Plugs and sockets of push & pull type are used to connect quickly and easily on various crane equipment like spreaders, vacuum-loaders, hydraulic grabs and other crane lifting equipment.



Thanks to their robust design these connectors are often used in harsh environments such as steel and aluminium plants, mills, mines, ports and terminals.





Electrical connectors are used on container spreaders and in container terminals as well as for land connection of ships, ferries, icebreakers, military vessels and in many off-shore applications. A normal application is the power supply to harbour cranes.



The Bals company has been serving the mining and tunnelling industries with solutions for their power connector requirements. Our electrical connectors provide a flexible, convenient and reliable means of extending cables from fixed or mobile powers sources to mining, tunneling and earthmoving equipment.

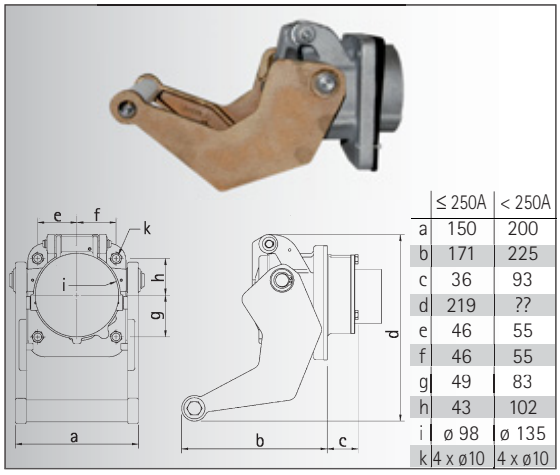


In open pit mines, such as shown above, where electricity is to be distributed to applications at varying distances from the main source, the role of power connectors is very important. They must allow for fast connecting and disconnecting and withstand extreme ambient influences such as dust, water and frost.

SCOPES:

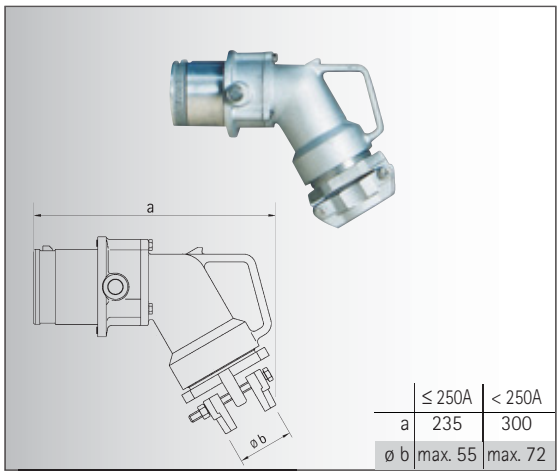
HIGH CURRENT PLUGS AND SOCKETS

for voltages up to 1100 V



	≤ 250A	< 250A
a	150	200
b	171	225
c	36	93
d	219	??
e	46	55
f	46	55
g	49	83
h	43	102
i	ø 98	ø 135
k	4 x ø10	4 x ø10

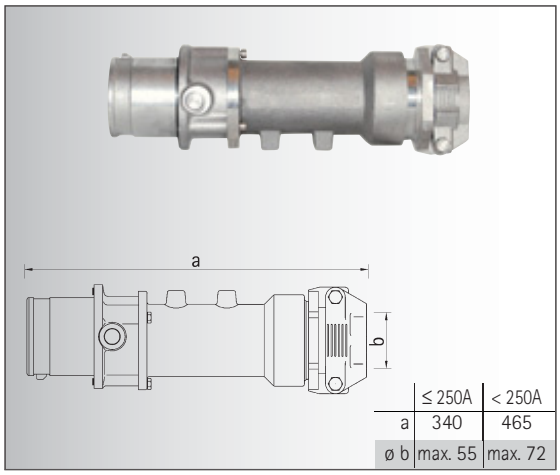
	Ampere	Poles	Cat. No.	cross section mm²	each kg
Panel mounting socket outlet with fastener locking system and lamella contacts • device made of steel, lever made of bronze • 2 internal pilot contacts for signal and control • in closed condition IP 66	160	4	13 898	≤ 35	3,5
	200	4	13 899	50	3,5
	250	4	13 900	70	3,5
	320	4	13 0214	95	7,8
	420	4	13 0215	120/150	7,8
	160	5	13 901	35	3,5
	200	5	13 902	50	3,5
	250	5	13 0216	≤ 70	7,8
	320	5	13 0217	95	7,8



	≤ 250A	< 250A
a	235	300
ø b	max. 55	max. 72

	Ampere	Poles	Cat. No.	cross section mm²	each kg
Plug, angled with fastener locking system • device made of steel • external cable clamp • silver-plated lamella contacts • 2 internal pilot contacts for signal and control • for special dirt protection please use add. cover • in closed condition IP 66	160	4	23 18	≤ 35	1,9
	200	4	23 19	50	1,9
	250	4	23 20	70	1,9
	320	4	23 23	95	4,5
	420	4	23 11	120/150	4,5
	160	5	23 21	35	1,9
	200	5	23 22	50	1,9
	250	5	23 24	≤ 70	4,5
	320	5	23 16	95	4,5

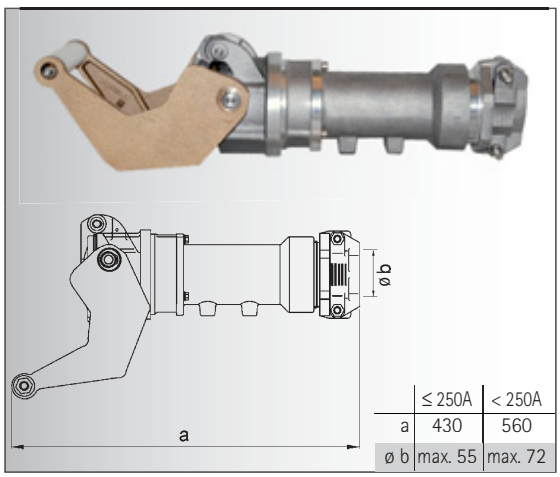
Closure cap see on page 249/3



	≤ 250A	< 250A
a	340	465
ø b	max. 55	max. 72

	Ampere	Poles	Cat. No.	cross section mm²	each kg
Plug, straight with fastener locking system • device made of steel • external cable clamp • silver-plated lamella contacts • 2 internal pilot contacts for signal and control • for special dirt protection please use add. cover • in closed condition IP 66	160	4	21 1018	≤ 35	1,8
	200	4	21 1019	50	1,8
	250	4	21 1020	70	1,8
	320	4	21 1021	95	4,5
	420	4	21 1022	120/150	4,5
	160	5	21 1023	35	1,8
	200	5	21 1024	50	1,8
	250	5	21 1025	≤ 70	4,5
	320	5	21 1026	95	4,5

Closure cap see on page 249/3



	≤ 250A	< 250A
a	430	560
ø b	max. 55	max. 72

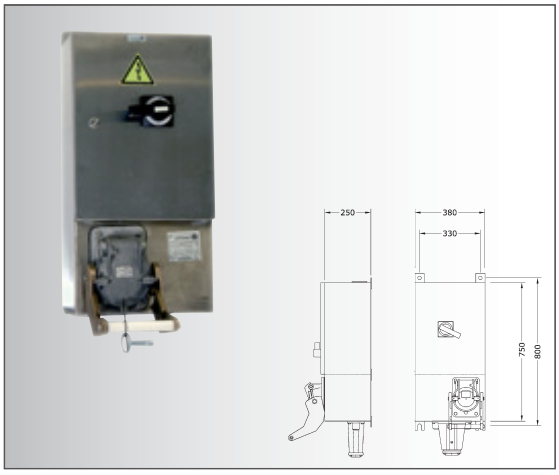
	Ampere	Poles	Cat. No.	cross section mm²	each kg
Connector with fastener locking system • device made of steel • external cable clamp • silver-plated lamella contacts • 2 internal pilot contacts for signal and control • in closed condition IP 66	160	4	31 0697	≤ 35	4,8
	200	4	31 0698	50	4,8
	250	4	31 0318	70	4,8
	320	4	31 0699	95	9,4
	420	4	31 0700	120/150	9,4
	160	5	31 0701	35	4,8
	200	5	31 0702	50	4,8
	250	5	31 0703	≤ 70	9,4
	320	5	31 0704	95	9,4

For further information please see Bals.com · Other voltages and frequencies are available on request.

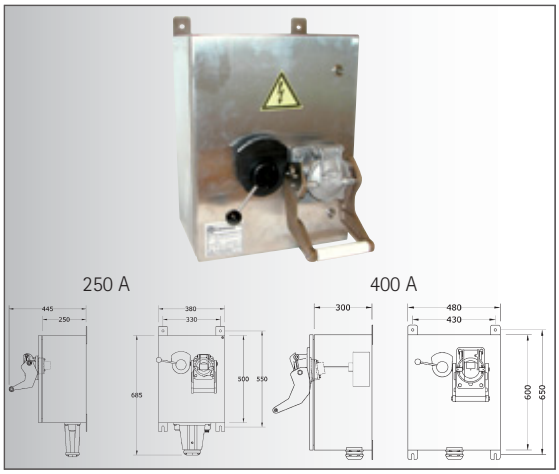
HIGH CURRENT PLUGS AND SOCKETS

for voltages up to 1100 V

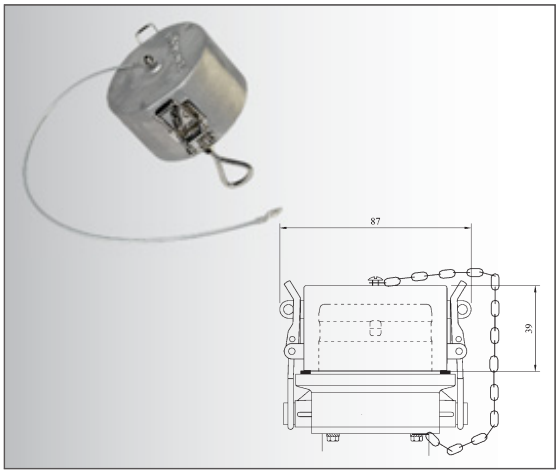
	Ampere	Poles	Cat. No.	cross section mm²	each kg
Surface Mounting socket outlet switched, electric interlocking • stainless steel AISI 304 • with incorporated main switch and socket outlet • IP 55	250	4	16 0467		
	400	4	16 0468		
	250	5	16 0469		
	400	5	16 0470		



	Ampere	Poles	Cat. No.	cross section mm²	each kg
Surface Mounting socket outlet switched, mechanical interlocking • stainless steel AISI 304 • with incorporated main switch and socket outlet • IP 55	250	4	16 0471		
	400	4	16 0472		
	250	5	16 0473		
	400	5	16 0474		



			Cat. No.	cross section mm²	each kg
Protection Cover • for straight and angled plugs (p. 248) • fixing by a chain on the plug housing • with side adjustment			83 45 83 22		





SPECIAL DISTRIBUTION UNITS



power distribution board for tunnel



steel bollard for market places



distributor for machinery halls



stainless steel distribution board for camping sites



distribution panel for railway



Distribution board for temporary power supply



mobile inspection trolley

Bals socket outlet combinations, made on users request safe and reliable energy supply for automated assembly lines





High requirements by the German railway will be complied with the rubber distribution units and stainless steel housing

Bals distribution boards for reefer container, installed in ports all over the world; used by a large number of ship lines





Abuse not possible–
lockable Bals stainless steel distribution box



Inspection cart or mobile special combinations offers an exclusive solution for the current supply of maintenance and inspection





For an increasing demand of modern camping sites, special designed Bals distributor units can be equipped with additional electronic counters, TV-sockets and much more.

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2233	199/3
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2236	199/2
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2266	66/3
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2849	65/2
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3190	73/5
3191	73/5
3191	172/5
3192	73/5
3192	172/5
3193	73/5
3194	73/5
3194	172/5
3195	73/5
3195	172/5
3196	73/5
3196	172/5
3197	73/5
3198	73/5
3198	172/5
3199	73/5
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4111	189/1
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4219	191/4
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4226	191/5
4227	191/5
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21247-TLS	49/2
21257-TLS	49/2
21328-TLS	49/2
21354-TLS	49/2
303-TLS	71/2
304-TLS	71/2
31000-TLS	71/2
31001-TLS	71/2
31002-TLS	71/2
31003-TLS	71/2
31004-TLS	71/2
31005-TLS	71/2
31006-TLS	71/2
31007-TLS	71/2
31008-TLS	71/2
31009-TLS	71/2
31010-TLS	71/2
31012-TLS	71/2
31013-TLS	71/2
31014-TLS	71/2
31015-TLS	71/2

Type number	Page/Line
31016-TLS	71/2
31017-TLS	71/2
31018-TLS	71/2
31019-TLS	71/2
31020-TLS	71/2
31021-TLS	71/2
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31023-TLS	71/2
31031-TLS	71/2
31067-TLS	71/2
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31098-TLS	71/2
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