

# Plugs for the world



UK / IRL



**MENNEKES**





# International approvals.

MENNEKES plugs and receptacles conform to relevant national and international standards. Plugs and receptacles are tested by independent organisations like VDE (Association of German Electrical Engineers), records according to CCA- or CB-II-procedures are established which then serve as basis for approval

in other countries, in particular countries whose national test marks are given below. Due to special national regulations not every device can receive a general worldwide approval.

For plugs and receptacles for USA und Canada please contact us.



Argentina



Belgium



Denmark



Germany



Finland



France



Great Britain



Italy



Canada



Croatia



Netherlands



Norway



Austria



Poland



Russia



Sweden



Switzerland



Slovakia



Spain



South Africa



Czech Republic



Hungary

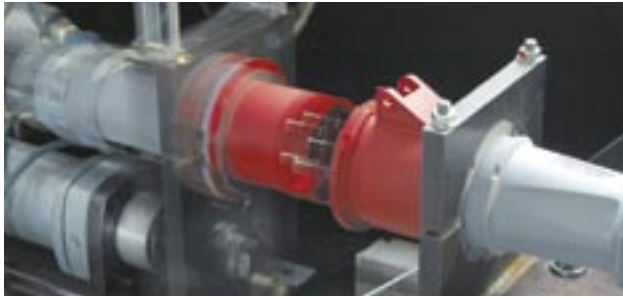


USA


 People's Republic  
of China


Only products bearing the MENNEKES® brand deserve it.

# Maintaining connection i



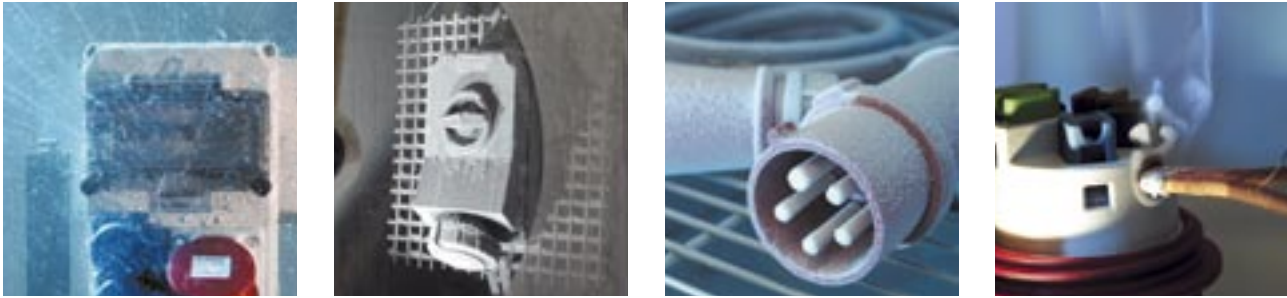
Only our products that pass the MENNEKES vigourous testing will bear the name.



Extremes of cold, heat, dust and water are tested in our laboratories again and again. After this, the products are certified by accredited institutions. According to international standards.



# in extreme environments.



**DMT**

To reach the goal of high level quality, a quality management system conforming to DIN EN ISO 9001:2000 has been installed and certified. As an export orientated business, MENNEKES has also acquired the product certifications of international institutions in several relevant fields.

Approved  
and  
certified.

Your direct connection to products, information and service.



Service and safety world-wide: information and product overview at any time. And any place.



# www.MENNEKES.co.uk

www.MENNEKES.co.uk incorporates our products and services in one site with 3.000 plus products listed. Further product information on UK and world-wide products is available on www.MENNEKES.de. Literature, promotional and contact details are easily accessible via these two sites.





Detailed information for professionals: exact dimensions and specifications of each product can be recalled via internet. This makes planning easier.



Around the clock. Around the globe.









 **Table of contents**

---



Additional product information . . . . .	10
Brief description of features and terms used in this catalogue . . . . .	20
CEE panel mounted receptacles . . . . .	22
CEE panel mounted receptacles with TwinCONTACT . . . . .	24
CEE panel mounted receptacles RAPIDO with TwinCONTACT . . . . .	24
CEE wall mounted receptacles with TwinCONTACT . . . . .	25
CEE panel mounted receptacles RAPIDO with screw terminals. . . . .	25
CEE wall mounted receptacles . . . . .	26
CEE receptacles Cepex . . . . .	27
CEE plugs . . . . .	28
CEE panel mounted inlets . . . . .	30
CEE panel mounted inlets RAPIDO . . . . .	31
CEE inlets . . . . .	32
CEE phase inverter plugs and inlets . . . . .	33
CEE phase sequence test plugs . . . . .	34
CEE connectors . . . . .	35
CEE plugs and receptacles 7 poles. . . . .	37
CEE receptacles, switched, interlocked . . . . .	39
CEE receptacles and combinations with high resistance to chemicals . . . . .	41
CEE wall mounted receptacles and panel mounted receptacles for low voltage . . . . .	42
CEE plugs, connectors and inlets for low voltage . . . . .	43
Receptacle combinations, ready wired. . . . .	44
EverGUM receptacle combinations . . . . .	47
Receptacle strips ready wired . . . . .	48
Multiples ready wired . . . . .	49
Multiples unwired. . . . .	49
AMAPLAST enclosures . . . . .	50
Hinged windows made of AMAPLAST plus accessories . . . . .	51
SCHUKO® receptacles, plugs, connectors and receptacle strips . . . . .	52
CEE plugs and receptacles for containers . . . . .	53
Data sheets . . . . .	54
Conversion factors . . . . .	62
Index of article numbers. . . . .	63

## TwinCONTACT. Quick. Double. Safe.



Colour coded and marked terminals for faultless connection. Insert the conductor – and that's it. For a guaranteed safe contact. Vibration-proof. Wear-resistant contacts, maintenance-free. For further information ask for our leaflet. For products see pages 24 and 25.

**Quick:**  
Spring terminal.  
**Double:**  
Connecting terminal.  
**Safe:**  
TwinCONTACT.



## RAPIDO. Express installation of panel mounted CEE-devices



RAPIDO threaded receptacles and inlets. Simple panel installation with one central fixing hole. No screw fixing points required enables installation space to be maximised. Save time and material – no need at all for fastening screws. Installation without tools. Fixings not accessible from outside, for maximum safety. Perfect design, also when fitted in groups. Suitable for walls from 2 to 9 mm (RAPIDO with 70 mm dia.) resp. from 2 to 5 mm (RAPIDO with dia. 61 mm). For further information ask for our leaflet. For products see pages 24, 25, 31 and 33.





## Panel mounted receptacles and auxiliary switches.



Identical mounting dimensions for all sockets from 16A, 3p up to 32A, 5p. Uniform flange dimension of 85 x 85 mm. Uniform mounting dimension of 70 x 70 mm for easier drilling and punching. Torsion proof flange with integral fixed sealing. Professional design of the finished installation. For further information ask for our leaflet. For products see pages 22 and 23.



**One dimension,  
for greater  
flexibility.**

### **Retro-fit of auxiliary switch.**

An auxiliary switch, designed as a two way contact, may be connected as a NO or a NC contact for additional functions such as control, monitoring, signalling, electrical interlocking etc. Optional auxiliary switch is also available for surface mounted receptacles. For products see page 23.



## Amelan. High resistance to chemicals.



Receptacles and combinations made of Amelan for use in corrosive atmosphere.

Amelan is the plastic used by MENNEKES for plugs and receptacles destined for use in environments where they will be exposed to certain chemicals or other corrosive substances. Amelan has excellent resistance to fuels, oils and fats, dilute acids and alkalines, cleaning fluids, most aqueous salt solutions and a wide variety of chemicals including aliphatic hydrocarbons. Amelan is a plastic that combines high mechanical, thermal and electrical properties with excellent dimensional stability and resistance to chemicals. For products see page 41.

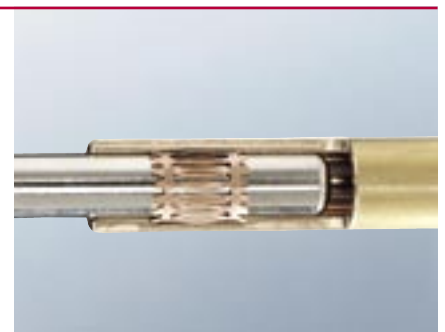


## SoftCONTACT and TorsionSpringCONTACT.



SoftCONTACT in 63A connectors and TorsionSpringCONTACTs in 125A connectors reduce friction during plugging and unplugging. Another advantage is: the contacts are self-cleaning during inserting and withdrawing. This provides improved electrical connection.

For products see pages 22, 23, 26, 35, 36, 39-41.





## 3KRAFT. The compact distributing panel.



3KRAFT comes equipped to suit your requirements: up to three sockets plus a compressed air connection. For installation or ready for use, with supply cable and plug. The design incorporates three integral handles that may also be used as tool holders, e.g. for compressed air guns etc. Available in three colours: signal yellow, red or silver.

**Electrical power, data, compressed air. From the ceiling, on the wall and on the floor.**

For further information ask for our leaflet.



## AirKRAFT®. Function. Shape. Colour.

**5 functions  
3 colours  
1 shape**

**The choice is yours.**

For further information ask for our leaflet.

You need power, data, compressed air, light and electrical safety. In one place. AirKRAFT® provides all in one device. Hung from the ceiling, installed on the wall or mobile on the floor. The AirKRAFT®-unit was granted the "Design-Plus" award. Available in three colours: signal yellow, red or silver.



## CEEplus. The multiple contacters.



**CEEplus.**  
For perfect  
power supply  
and safe data  
transmission.

Just one socket for electrical power and signals. Perfect compatibility: CEEplus plugs, couplers and sockets may be combined with any traditional CEE products 16A, 3p, 230V. Wherever work processes need to be controlled or monitored: e.g. monitored heating and air conditioning systems, feeders / pumps with level control, systems with limit switches or charging stations for electric cars, for camping sites and marinas. For further information ask for our leaflet.



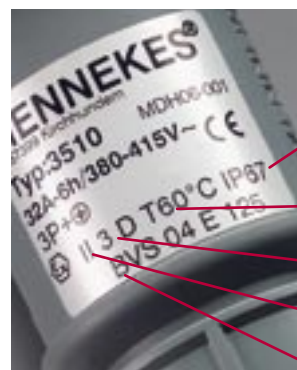
## Plugs and receptacles for zone 22 hazardous areas.



Rugged enclosures with good chemical resistance and a high degree of IP protection – these features make MENNEKES plugs and receptacles the products of choice for industrial use in zone 22 hazardous areas. MENNEKES switched and interlocked sockets as well as the corresponding plugs meet all requirements.



For further information ask for our leaflet.



### All information at a glance

- IP 67** protection
- T60°C** maximum outside temperature of enclosure in service
- 3D** protection against dust explosions, zone 22
- II** not for underground use

Approval no. of test authority



## Stainless steel receptacle combinations.

Protects from unauthorised access also during operation.



High protection factor and attractive design. MENNEKES stainless steel receptacle combinations are recommended for all applications where equipment must be protected from unauthorised access when current on as well as when switched off, at the same time visual appearance is important. The rigid construction and timeless elegance of flat finished stainless steel can meet these requirements.

Also available as flush mounted combination with frost proof gate valve for water supply. Please contact us for further information.

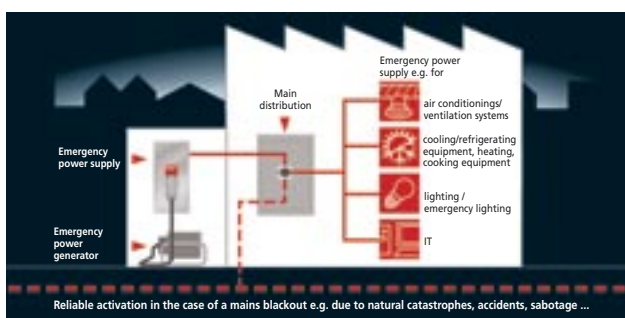


## Emergency power supply.

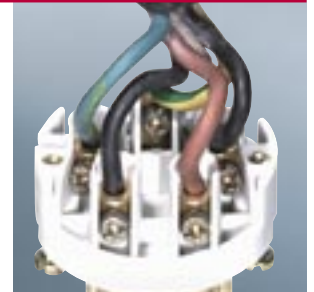
Your insurance in the case of power failure. Operational interruptions are reduced to the minimum.

Ideal for agriculture, craft, industry and private households. Indoor and outdoor application. Plastic and stainless steel housing for locations with aggressive atmosphere or tough mechanical conditions. For further information ask for our leaflet.

Safe and firm installation instead of insecure provisional arrangements.



### AM-TOP®. With screw terminal system.



Well designed and field-proven, AM-TOP® offers solutions for highest specifications, and makes fast, professional work possible with ease. Through tightening the cable gland, the cable grip works automatically and the gasket seals simultaneously. Nickel plated contacts are also available with high heat resistant contact carriers for higher corrosion resistance in aggressive environments.

**Good contact.**  
Open terminal screws, all facing the same way, make the installation simple.

For products see pages 28, 29, 33, 35 and 36.

### ProTOP. With time saving enclosure.



Many practical details. For example the self-finding thread for tight and stable connection of enclosure with integrated strain relief and automatic sealing in one step.

**Cable grip.**  
Single action cable restrain. For easy connection.

**Lid lift.**  
Single hand control for holding the connector and opening the lid.

For products see pages 28, 32, 33, and 35.

### VarioTOP. Angled plug with rotating housing.



VarioTOP's housing can be twisted up to 60° to the right or to the left side. Cables are guided along the wall and safety is increased by guiding the supply cables off the working space.

For products see pages 27 and 33.



## StarTOP®. Quick, safe and secure. With SafeCONTACT.

### Safety made visible.

StarTOP® with SafeCONTACT saving maximum installation time and providing maximum safety. In one step insulation is cut, contact is made and the wire is clamped securely. Colour-coded, maintenance-free contacts.

No tools needed for assembling the enclosure.

For products see pages 28 and 35.



Push lock for safety.



70%  
time saving.

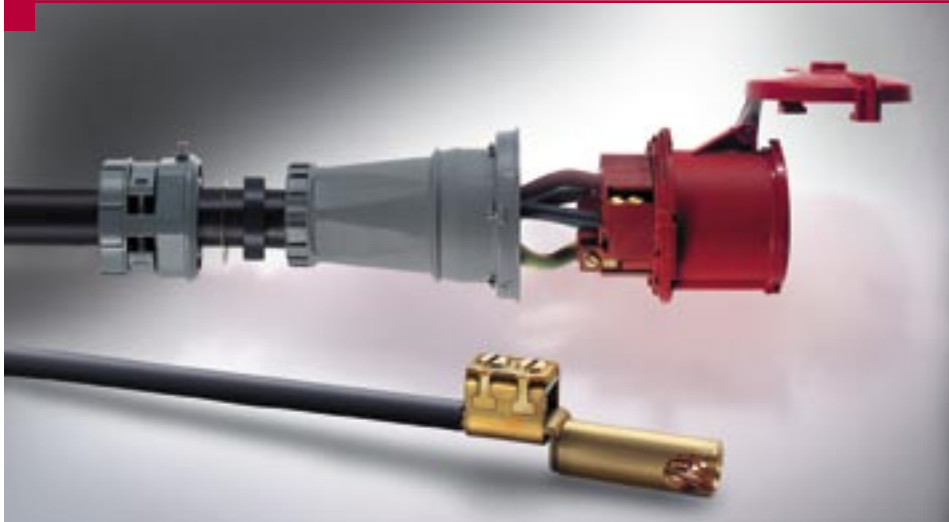
100%  
safety.

Many practical details and robustness make StarTOP® a top-solution for highest requirements.





## PowerTOP. Safe. Strong. Versatile.



Plugs and connectors from 16A to 125A.

PowerTOP design gives improved handling for connection and disconnection. The external cable grip protects the gasket. A simple visual check at the outside of the plug is sufficient to prove cable grip integrity. For products see pages 28, 29, 35 and 36.



## PowerTOP plugs and connectors with extra earth terminal.

PowerTOP plugs and connectors are also available with extra earth terminal for terminating braid.

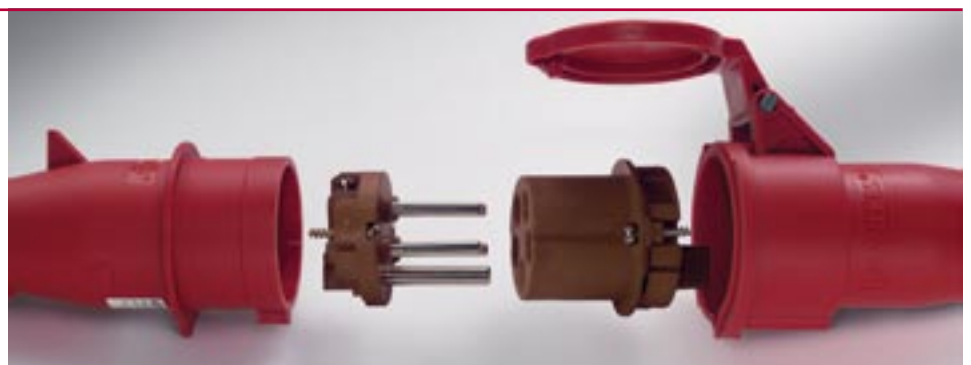
Available in 16A, 32A and 63A, in 110V, 230V and 415V.

For products see pages 29 resp. 36. To order, just add **SY** to the article number.



## For severe conditions.

These connectors guarantee better resistance in aggressive environments. They withstand high humidity, salt- and acid-containing air, aggressive gases and vapours. Preferably used in chemical plants, salt mines, breweries, agriculture, market gardens, harbours and other industrial premises near the seaside. For products see pages 37, 38 and 41. Further products listed in the MENNEKES Master-Catalogue.



## Combinations covering every conceivable need.

MENNEKES receptacle combinations are available tailor made in size and equipment to your individual specification. Robust cases, fitted with CEE receptacles, capable of withstanding the stresses imposed during insertion and withdrawal of the plugs. For products see pages 44-49.



## EverGUM. Suitable for use in aggressive environments.

**Solid rubber.**  
**Signal yellow.**

With the EverGUM range MENNEKES provides a solid rubber alternative to enclosures in AMAPLAST or Amelan. An alternative which is suitable for the most diverse environments, especially when there is likely to be exposure to rough handling or aggressive cleaning agents.

- Resistant to weather and ageing
- High dimensional stability and precision
- Good resistance to acids and alkalis
- High breakdown and creepage resistance

For products see page 47.



## Brief description of features and terms used in this catalogue



### AMAPLAST

Most MENNEKES products are made of the plastic AMAPLAST. This material has the following outstanding characteristics: good electrical insulation, virtually unbreakable, resistant to abrasion, wear, heat, cold, ageing, sea water, oil and gasoline. Dimensionally stable, self-extinguishing.

For products shown left see pages 50 and 51.



### Amelan

This plastic combines high grade mechanical, thermal and electrical properties with excellent dimensional stability and resistance to chemicals.

For more information see page 12.  
For products see page 41.



### EverGUM

Solid rubber receptacle combinations and receptacle strips for wall mounting or portable. Suitable for the most diverse environments, especially when there is likely to be exposure to rough handling or aggressive cleaning agents.

For more information see page 19.  
For products see page 47.



### AM-TOP®

Heavy duty case with many practical details for fast and easy assembly. Standard installation with screw terminals.

For more information see page 16.  
For products see pages 28, 29, 33, 35 and 36.



### Cepex

With surface, flush and cable duct mounting the Cepex range is extremely versatile and suitable and convinces with perfect technique and design.

For products see page 27.



### DUO mechanical interlock

After insertion and switching on the plug is locked in the ON-position. After switching off and withdrawing the plug the switch is locked in the OFF-position.

For products see pages 38-41.



### High heat resistant contact carriers

High temperature resistant contact carriers for severe conditions, standard in 63A and 125A.

For more information see page 18.  
For products see pages 37, 38 and 41.



### Nickel plated contacts

Used together with high heat resistant contact carriers. Appliances with nickel plated contacts and high heat resistant contact carriers are resistant to corrosive environments.

For more information see page 18.  
For products see pages 37, 38 and 41.



### Phase inverter

If three phase equipment rotates in the wrong direction the MENNEKES® phase inverter plug solves the problem quickly and safe.

For products see pages 33 and 34.



### Phase sequence test plug

Indicates the rotating direction of three phase current.

For products see page 34.



**PowerTOP**

PowerTOP 63A and 125A: safe, strong and versatile. Top design for better handling. Easy to plug in and withdraw. External cable grip. High heat resistant contact carriers and nickel plated contacts.

For more information see page 18.  
For products see pages 28, 29, 35 and 36.

**ProTOP**

Heavy duty case with many practical details for fast and easy assembly. Standard installation with screw terminals.

For more information see page 16.  
For products see pages 28, 32, 33 and 35.

**RAPIDO**

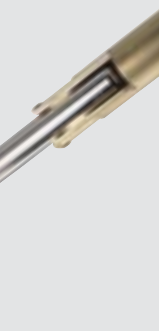
Express mounted receptacles and inlets. No screws. Central fixing for fast and easy assembly.

For more information see page 10.  
For products see pages 24, 25, and 31.

**SafeCONTACT**

Insulation piercing connecting technology. No stripping of conductors and no use of cable sleeves.

For more information see page 17.  
For products see pages 28 and 35.

**SoftCONTACT**

SoftCONTACT for 63A and connectors and receptacles. Less effort needed, easy to plug in, easy to pull out.

For more information see page 12.  
For products see pages 22, 23, 26, 35, 36, 39 and 41.

**StarTOP®**

Quick, safe, secure. Super fast installation: saves up to 70% on each assembly. No stripping, no cable sleeves, SafeCONTACT technology for fast and safe electrical connection.

For more information see page 17.  
For products see pages 28 and 35.

**SY-Terminal**

PowerTOP plugs and connectors are also available with extra earth terminal for terminating braid. Available in 16A and 32A, in 110V, 230V and 415V.

For more information see page 18.  
For products see pages 29 and 36.

**TorsionSpringCONTACT**

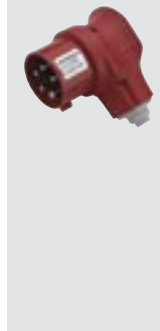
TorsionSpringCONTACT for 125A connectors and receptacles. Less effort needed, easy to plug in, easy to pull out.

For more information see page 12.  
For products see pages 23, 36 and 40.

**TwinCONTACT**

Colour coded and marked terminals for faultless connection. Insert the conductor – and that's it.

For more information see page 10.  
For products see pages 24 and 25.

**VarioTOP**

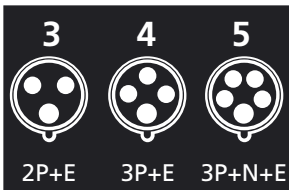
Angled plug with rotating housing. Inlet can be rotated up to 60° to the left and to the right.

For more information see page 16.  
For products see pages 27 and 33.

# MENNEKES CEE panel mounted receptacles

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz			230 V 50 a. 60 Hz			400 V 50 a. 60 Hz			500 V 50 a. 60 Hz			>50 - 500 V 100-300 Hz			>50 - 500 V a. 300-500 Hz			STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h	4-pole 4h	5-pole 4h	3-pole 6h	4-pole 9h	5-pole 9h	3-pole 9h	4-pole 6h	5-pole 6h	3-pole 7h	4-pole 7h	5-pole 7h	3-pole 10h	4-pole 10h	5-pole 10h	3-pole 2h	4-pole 2h	5-pole 2h		



△ IP 44 Flange 73.5 x 64 mm (16A), 3-pole, 100 x 92 mm, 20° inclination		Dimensions: page 54																		
16	3	1462	<b>1463</b>	1464		3186	3187	10	132											
16	4	1465	1466	<b>1467</b>	1468	1469	1470	10	183											
16	5	1471	1472	<b>1473</b>	3188	3189	3190	10	204											
16	7	Please see page 37																		
32	3	1491	<b>1492</b>	1493		3201	3202	10	236											
32	4	1494	1495	<b>1496</b>	1497	1486	1487	10	250											
32	5	1498	1499	<b>1500</b>	3191	3192	3193	10	288											
32	7	Please see page 37																		



△ IP 44 SoftCONTACT, Flange 110 x 106 mm, 20° inclination		Dimensions: page 54																		
63	3	1146A	<b>1147A</b>	1148A				5	526											
63	4	1149A	1150A	<b>1151A</b>	1152A			5	569											
63	5	1153A	1154A	<b>1155A</b>				5	624											

Products with pilot contacts: article number + index **P** (instead of **A**)



△ IP 44 Flange 75 x 75 mm, straight		Dimensions: page 54																		
16	3	1365	<b>1366</b>	1367		3054	3055	10	137											
16	4	1388	1389	<b>1390</b>	1391	1392	1393	10	161											
16	5	1384	1386	<b>1385</b>	3057	3059	3060	10	185											
16	7	Please see page 37																		
32	3	1394	<b>1395</b>	1396				10	199											
32	4	1397	1398	<b>1399</b>	1400	1401	1402	10	212											
32	5	3449	3454	<b>3451</b>	3452	3455	3447	10	252											
32	7	Please see page 37																		



△ IP 44 SoftCONTACT, Flange 107 x 100 mm, straight		Dimensions: page 54																		
63	3	1260A	<b>1261A</b>	1262A				5	523											
63	4	1246A	1247A	<b>1248A</b>	1249A			5	559											
63	5	1250A	1251A	<b>1252A</b>				5	620											

Products with pilot contacts: article number + index **P** (instead of **A**)



△ IP 44 Mini Flange 55 x 55 mm, straight		Dimensions: page 54																		
16	3	1628	<b>1629</b>					10	121											



△ IP 44 Small Flange 62 x 62 mm, straight		Dimensions: page 54																		
16	3	1362	<b>1363</b>	1364				10	127											

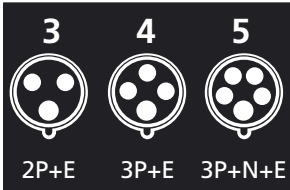
△ IP 44 Small Flange 72 x 65 mm, straight		Dimensions: page 54																		
16	4	1431	1432	<b>1387</b>	1433	1434	1435	10	147											
16	5	1429	1430	<b>1383</b>				10	180											

△ IP 44 Flange 85 x 85 mm, 20° inclination		Dimensions: page 54/55																		
16	3	3031	<b>3036</b>					10	148											
16	4			<b>3072</b>	3074			10	166											
16	5			<b>3093</b>				10	191											
32	3	3110	<b>3112</b>					10	222											
32	4			<b>3136</b>	3137			10	238											
32	5			<b>3153</b>				10	276											

# MENNEKES CEE panel mounted receptacles

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50 - 500 V 100- 300 Hz	>50 - 500 V a. 300- 500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h 4-pole 4h 5-pole 4h	3-pole 6h 4-pole 9h 5-pole 9h	3-pole 9h 4-pole 6h 5-pole 6h	3-pole 7h 4-pole 7h 5-pole 7h	3-pole 10h 4-pole 10h 5-pole 10h	3-pole 2h 4-pole 2h 5-pole 2h		



♦♦ IP 67 Flange 73.5 x 64 mm (16A, 3-pole), 100 x 92 mm, 20° inclination Dimensions: page 54/55

16	3	1474	<b>1475</b>	1476				10	151	
16	4	1477	1478	<b>1479</b>	1480	1481	1482	10	203	
16	5	1483	1484	<b>1485</b>				10	237	
16	7	Please see page 38								
32	3	1501	<b>1502</b>	1503				10	281	
32	4	1504	1505	<b>1506</b>	1507	1567	1568	10	291	
32	5	1489	1490	<b>1551</b>				10	334	
32	7	Please see page 38								



♦♦ IP 67 SoftCONTACT, Flange 110 x 106 mm, 20° inclination Dimensions: page 54/55

63	3	2179A	<b>2180A</b>	2181A				5	520
63	4	203A	204A	<b>205A</b>	206A			5	607
63	5	207A	208A	<b>209A</b>	3507			5	668

♦♦ IP 67 TorsionSpringCONTACT, Flange 114 x 110 mm, 15° inclination Dimensions: page 54/55

125	3		<b>3575</b>					5	840
125	4	210A	211A	<b>212A</b>	213A			5	940
125	5	214A	215A	<b>216A</b>				5	1171

Products with pilot contacts: article number + index **P** (instead of **A**)



♦♦ IP 67 Flange 75 x 75 mm (16A), 85 x 75 mm (32A), straight Dimensions: page 54/55

16	3	217A	<b>218A</b>	219A				10	160	
16	4	220A	221A	<b>222A</b>	223A	224A	225A	10	183	
16	5	226A	227A	<b>228A</b>				10	221	
16	7	Please see page 38								
32	3	229A	<b>230A</b>	231A				10	266	
32	4	232A	233A	<b>234A</b>	235A	236A	237A	10	293	
32	5	238A	239A	<b>240A</b>				10	314	
32	7	Please see page 38								



♦♦ IP 67 SoftCONTACT, Flange 107 x 100 mm, straight Dimensions: page 54/55

63	3	1263A	<b>1264A</b>	1265A				5	567
63	4	1122A	1123A	<b>1124A</b>	1125A			5	604
63	5	1126A	1127A	<b>1128A</b>				5	664

♦♦ IP 67 TorsionSpringCONTACT, Flange 130 x 130 mm, straight Dimensions: page 54/55

125	3		<b>3380</b>					5	1001
125	4	1455	1456	<b>1457</b>	1458			5	1135
125	5	1459	1460	<b>1461</b>	3283			5	1256

Products with pilot contacts: article number + index **P** (instead of **A**)



♦♦ IP 67 Flange 85 x 85 mm, 20° inclination Dimensions: page 54/55

16	3	903	<b>905</b>					10	158
16	4			<b>1081</b>	1082			10	
16	5			<b>1103</b>				10	224
32	3	3197	<b>3200</b>					10	260
32	4			<b>3254</b>	3256			10	282
32	5			<b>3524</b>				10	326



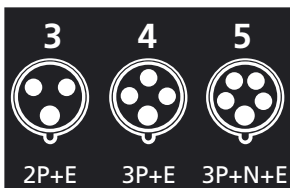
**Auxiliary contact switch for panel mounted receptacles IP44 and IP67, with flange 85 x 85 mm**  
 for additional functions such as control, monitoring, signalling, electrical interlocking etc.  
 10A/400V, 16A/230V  
 Function: two way contact = make/break contact  
**Article number 41000**



# MENNEKES CEE panel mounted receptacles with TwinCONTACT

## MENNEKES CEE panel mounted receptacles RAPIDO with TwinCONTACT

to DIN VDE 0623, EN 60309-2. Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz			230 V 50 a. 60 Hz			400 V 50 a. 60 Hz			500 V 50 a. 60 Hz			>50 - 500 V 100-300 Hz			>50 - 500 V a. 300-500 Hz			STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h	4-pole 4h	5-pole 4h	3-pole 6h	4-pole 9h	5-pole 9h	3-pole 9h	4-pole 6h	5-pole 6h	3-pole 7h	4-pole 7h	5-pole 7h	3-pole 10h	4-pole 10h	5-pole 10h	3-pole 2h	4-pole 2h	5-pole 2h		



▲ IP 44 CEE panel mounted receptacle with TwinCONTACT, 20° inclination Dimensions: page 54

16	3	1631 *	<b>1632 *</b>	1633 *		1634 *	1635 *	10	132
16	4	1636 **	1637 **	<b>1638 **</b>	1639 **	1640 **	1641 **	10	183
16	5	1642	1643	<b>3473</b>	1644	1645	1646	10	204

\*available 1<sup>st</sup> quarter 2005  
\*\*available 2<sup>nd</sup> quarter 2005



▲ IP 44 CEE panel mounted receptacle with TwinCONTACT, straight Dimensions: page 54

16	3	1667 *	<b>1668 *</b>	1669 *		1670 *	1671 *	10	137
16	4	1672 **	1673 **	<b>1674 **</b>	1675 **	1676 **	1677 **	10	161
16	5	1678	1679	<b>3385</b>	1680	1681	1682	10	185

\*available 1<sup>st</sup> quarter 2005  
\*\*available 2<sup>nd</sup> quarter 2005



▲ IP 67 CEE panel mounted receptacle with TwinCONTACT, 20° inclination Dim.: page 54/55

16	3	1700 *	<b>1701 *</b>	1702 *				10	151
16	4		1703 **	<b>1704 **</b>	1705 **	1706 **		10	203
16	5			<b>3485</b>				10	237

\*available 1<sup>st</sup> quarter 2005  
\*\*available 2<sup>nd</sup> quarter 2005



▲ IP 67 CEE panel mounted receptacle with TwinCONTACT, straight Dimensions: page 54/55

16	3	1707 *	<b>1708 *</b>	1709 *				10	160
16	4	1710 **	1711 **	<b>1712 **</b>	1713 **	1714 **	1715 **	10	183
16	5	1716	1717	<b>1131</b>				10	221

\*available 1<sup>st</sup> quarter 2005  
\*\*available 2<sup>nd</sup> quarter 2005



▲ IP 44 CEE panel mounted receptacle RAPIDO with TwinCONTACT round flange for central fixing, dia. 61 mm Dimensions: page 55

16	3	1132 *	977 *					10	158
----	---	--------	-------	--	--	--	--	----	-----

\*available 1<sup>st</sup> quarter 2005



▲ IP 44 CEE panel mounted receptacle RAPIDO with TwinCONTACT round flange for central fixing, dia. 70 mm Dimensions: page 55

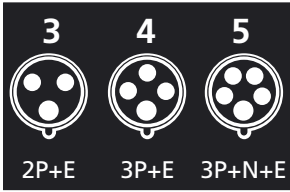
16	4		1133 **	<b>998 **</b>	1134 **			10	
16	5			<b>907</b>				10	187

\*\*available 2<sup>nd</sup> quarter 2005

# MENNEKES CEE wall mounted receptacles with TwinCONTACT

## MENNEKES CEE panel mounted receptacles RAPIDO w. screw terminals

to DIN VDE 0623, EN 60309-2. Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz			230 V 50 a. 60 Hz			400 V 50 a. 60 Hz			500 V 50 a. 60 Hz			>50 - 500 V 100-300 Hz			>50 - 500 V a. 300-500 Hz			STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h	4-pole 4h	5-pole 4h	3-pole 6h	4-pole 9h	5-pole 9h	3-pole 9h	4-pole 6h	5-pole 6h	3-pole 7h	4-pole 7h	5-pole 7h	3-pole 10h	4-pole 10h	5-pole 10h	3-pole 2h	4-pole 2h	5-pole 2h		



⚠ IP 44 CEE receptacle with TwinCONTACT, top entry											Dimensions: page 55						
16	3		1340 **		<b>1341</b> **											10	
16	4				1342 **		<b>1343</b> **		1344 **							10	
16	5						<b>31</b>									10	233

\*\*available 2<sup>nd</sup> quarter 2005



⚠ IP 44 CEE receptacle with TwinCONTACT, top and bottom entry											Dimensions: page 55						
16	3		1719 *		<b>1720</b> *		1721 *									10	
16	4				1723 **		<b>1724</b> **		1725 **							10	236
16	5				1730		<b>3331</b>									10	256

\*available 1<sup>st</sup> quarter 2005

\*\*available 2<sup>nd</sup> quarter 2005



⚠ IP 44 CEE receptacle with TwinCONTACT, top and bottom entry											Dimensions: page 55						
16	4		1750 **		1751 **		<b>418</b> **		1752 **							10	280
16	5				1755		1756		<b>419</b>		1757					10	290

\*\*available 2<sup>nd</sup> quarter 2005



⚠ IP 67 CEE receptacle with TwinCONTACT, top and bottom entry											Dimensions: page 55						
16	3		1867 *		<b>241</b> *		1868 *									10	240
16	4		1870 **		1871 **		<b>242</b> **		1872 **							10	269
16	5		1875		1876		<b>200</b>									10	322

\*available 1<sup>st</sup> quarter 2005

\*\*available 2<sup>nd</sup> quarter 2005



⚠ IP 44 RAPIDO with screw terminals, round flange for central fixing, dia. 61 mm											Dim.: page 55						
16	3		964		<b>966</b>											10	158
16	4						<b>990</b>									10	178
16	5						<b>985</b>									10	192

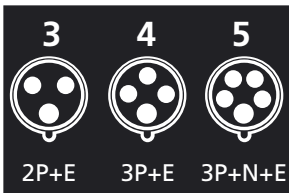


⚠ IP 44 RAPIDO with screw terminals, round flange for central fixing, dia. 70 mm											Dim.: page 55						
16	4				908		<b>968</b>		917							10	200
16	5						<b>969</b>									10	215
32	3		918				<b>995</b>									10	244
32	4						929		<b>999</b>		930					10	262
32	5								<b>976</b>							10	297

# MENNEKES CEE wall mounted receptacles

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	3-pole 4h	4-pole 4h	5-pole 4h	3-pole 6h	4-pole 9h	5-pole 9h	3-pole 9h	4-pole 6h	5-pole 6h	3-pole 7h	4-pole 7h	5-pole 7h	3-pole 10h	4-pole 10h	5-pole 10h	3-pole 2h	4-pole 2h	5-pole 2h	STD. PACK. QTY.	WEIGHT G/EA.
--------	-------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	------------	------------	------------	-----------	-----------	-----------	-----------------	--------------



⚠ IP 44 CEE receptacles, top entry																			Dimensions: page 56	
16	3	21077	<b>21229</b>																10	180
16	4	1267			<b>1268</b>		1269										10	214		
16	5														10	218				
32	3	1368	<b>1369</b>			1370													10	290
32	4	1371	1372		<b>1373</b>		1374										10	307		
32	5														10	334				



⚠ IP 44 CEE receptacles, top and bottom entry																			Dimensions: page 55	
16	3	24113	<b>24114</b>			102										2169	2241	10	180	
16	4	103	104		<b>24115</b>		106										107	108	10	236
16	5	109	110		<b>24116</b>		2000										2188	2199	10	256
16	7	Please see page 37																		



⚠ IP 44 CEE receptacles, top and bottom entry																			Dimensions: page 55	
16	4	3030	3034		<b>1418</b>		3032										3035	3028	10	280
16	5	3041	3045		<b>1419</b>		3043										3046	3039	10	290
16	7	Please see page 37																		
32	3	1420ZA <sup>2)</sup>	<b>1421ZA<sup>2)</sup></b>		1422										3139	3134	10	355		
32	4	1423	1424		<b>1425ZA<sup>2)</sup></b>		1426										1427	1428	10	348
32	5	1555	1556		<b>1557ZA<sup>2)</sup></b>		3152										3154	3149	10	401
16	7	Please see page 37																		

<sup>2)</sup>with M 25 conduit entries



⚠ IP 44 CEE receptacles, SoftCONTACT, top and bottom entry																			Dimensions: page 56	
63	3	1136A	<b>1137A</b>		1138A										5	857				
63	4	1139A	1140A		<b>1141A</b>		1142A										5	901		
63	5	1143A	1144A		<b>1145A</b>												5	925		

Products with pilot contacts: article number + index **P** (instead of **A**)



⚠ IP 67 CEE receptacles, top and bottom entry																			Dimensions: page 55	
16	3	1193ZA <sup>1)</sup>	<b>1192ZA<sup>1)</sup></b>		1211										10	240				
16	4	1194	1195		<b>1196ZA<sup>1)</sup></b>		1197										1212	1213	10	269
16	5	1198	1199		<b>1200ZA<sup>1)</sup></b>														10	322
16	7	Please see page 38																		
32	3	1201ZA <sup>2)</sup>	<b>1202ZA<sup>2)</sup></b>		1203												10	376		
32	4	1204	1205		<b>1206ZA<sup>2)</sup></b>		1207										1214	1215	10	396
32	5	1208	1209		<b>1210ZA<sup>2)</sup></b>														10	450
32	7	Please see page 38																		

<sup>2)</sup>with M 25 conduit entries



⚠ IP 67 CEE receptacles, SoftCONTACT, top and bottom entry																			Dimensions: page 56	
63	3	856	<b>128A</b>		129A										5	903				
63	4	130A	131A		<b>132A</b>		133A										5	943		
63	5	134A	135A		<b>136A</b>		2007A										5	1004		

⚠ IP 67 CEE receptacles, top and bottom entry																			Dimensions: page 56	
125	3	on request																		
125	4	137	138		<b>139</b>		140										3	1973		
125	5	141	142		<b>143</b>		2139										3	2102		

Products with pilot contacts: article number + index **P** (instead of **A**)



# MENNEKES CEE receptacles Cepex

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50 - 500 V 100- 300 Hz	>50 - 500 V a. 300- 500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4-pole 5-pole 4h 4h 4h	3-pole 4-pole 5-pole 6h 9h 9h	3-pole 4-pole 5-pole 9h 6h 6h	3-pole 4-pole 5-pole 7h 7h 7h	3-pole 4-pole 5-pole 10h 10h 10h	3-pole 4-pole 5-pole 2h 2h 2h		



▲ IP 44 CEE wall mounted receptacles Cepex, grey RAL 7035								Dimensions: page 56	
16	3	4101YA	<b>4102YA</b>					5	280
16	4		4254YA	<b>4103YA</b>	4104YA			5	291
16	5			<b>4105YA</b>				5	298
32	3	4106YA	<b>4107YA</b>					5	330
32	4			<b>4108YA</b>	4109YA			5	340
32	5			<b>4110YA</b>				5	350

Index **YA** = without rubber gland



▲ IP 44 CEE panel mounted receptacles Cepex, grey RAL 7035								Dimensions: page 56	
16	3	4227ZA	<b>4210</b>					5	171
16	5			<b>4211</b>				5	189
32	3	4228ZA	<b>4212</b>					5	221
32	4			<b>4230</b>				5	231
32	5			<b>4213</b>				5	241



▲ IP 44 CEE wall mounted duplex receptacles Cepex, grey RAL 7035								Dimensions: page 56/57	
16	3	4218YA	<b>4219YA</b>					5	456
16	4			<b>4220YA</b>				5	536
16	5			<b>4204YA</b>				5	549
32	3	4223YA	<b>4224YA</b>					4	710
32	4			<b>4225YA</b>				4	755
32	5			<b>4226YA</b>				4	800

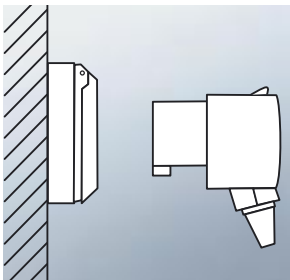
Index **YA** = without rubber gland



**All above mentioned types are available in three designs**

- with smooth cover (as shown above)
- with identification plate
- with identification plate and lockable cover

Height correction flange, 12 mm		cat.-no.		25		35	
		<b>4191</b>					



MENNEKES® **Cepex** receptacles with angled plugs are ideal for use in confined spaces such as floor ducts and false ceilings.

The maximum height of the combination with the plug fitted is 108 mm.

**Cepex** range panel receptacles rated 16 amps and 32 amps have the same dimensions. It is, therefore, possible to interchange single or 3 phase receptacles on a 2-gang enclosure to suit your own requirements.



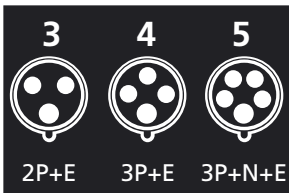
▲ IP 44 CEE angled plug								Dimensions: page 56/57	
16	3	1410	<b>1411</b>	1412				10	115
16	4	890	891	<b>315</b>				10	138
32	3	3312	3306					10	213
32	4		3646	<b>3987</b>				10	230
32	5		3424	<b>3266</b>				10	249

▲ IP 44 CEE angled plug VarioTOP with rotating housing								Dimensions: page 56/57	
16	5		3981	<b>3980</b>	colour code			10	182
16	5		3983	<b>3982</b>	electric grey			10	185

# MENNEKES CEE plugs

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz			230 V 50 a. 60 Hz			400 V 50 a. 60 Hz			500 V 50 a. 60 Hz			>50 - 500 V 100-300 Hz			>50 - 500 V a. 300-500 Hz			STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h	4-pole 4h	5-pole 4h	3-pole 6h	4-pole 9h	5-pole 9h	3-pole 9h	4-pole 6h	5-pole 6h	3-pole 7h	4-pole 7h	5-pole 7h	3-pole 10h	4-pole 10h	5-pole 10h	3-pole 2h	4-pole 2h	5-pole 2h		



⚠ IP 44 CEE plug AM-TOP®																					
16	3	247		<b>248</b>		249														10	132
16	4	250		251		<b>252</b>		253		254		255								10	150
16	5	256		257		<b>3</b>		2014		2189		2243								10	171
16	7	Please see page 37																			
32	3	259		<b>260</b>		261				2195		2341								10	234
32	4	262		263		<b>264</b>		265		266		267								10	275
32	5	268		269		<b>4</b>		2015		2244		2178								10	276
32	7	Please see page 37																			



⚠ IP 44 CEE plug ProTOP																					
16	3	147A		<b>148A</b>																10	133
16	4			151A		<b>152A</b>		153A												10	166
16	5					<b>13A</b>														10	183
32	3	159		<b>160</b>																10	250
32	4			163		<b>164</b>		165												10	270
32	5					<b>14A</b>														10	298



⚠ IP 44 CEE plug StarTOP® with SafeCONTACT																					
16	3	947		<b>948</b>																10	151
16	4			951		<b>952</b>		953		954										10	187
16	5					<b>33</b>														10	204
32	5					<b>34</b>														10	343



⚠ IP 44 CEE plug PowerTOP with external strain relief																					
16	3	3918		<b>3919</b>		3920														10	175
16	4	3925		3927		<b>3926</b>		3928		3929		3930								10	198
16	5	3934		3936		<b>3935</b>														10	241
32	3	3942		<b>3943</b>		3944														10	267
32	4	3945		3946		<b>3947</b>		3948		3949		3950								10	284
32	5	3951		3952		<b>3977</b>														10	363

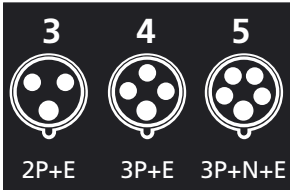


⚠ IP 44 CEE plug PowerTOP with external strain relief																					
63	3	1226A		<b>1227A</b>		1228A														5	585
63	4	1229A		1230A		<b>1231A</b>		1232A												5	641
63	5	1233A		1234A		<b>1235A</b>														5	697

# MENNEKES CEE plugs

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



STD. PACK. QTY.  
WEIGHT G/EA.



♦♦ IP 67 CEE plug AM-TOP®									
AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50-500 V 100-300 Hz	>50-500 V a. 300-500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
16	3	277	<b>278</b>	279				10	156
16	4	280	281	<b>282</b>	283	284	285	10	165
16	5	286	287	<b>288</b>				10	206
16	7	Please see page 38							
32	3	289	<b>290</b>	291				10	292
32	4	292	293	<b>294</b>	295	296	297	10	313
32	5	298	299	<b>300</b>				10	329
32	7	Please see page 38							



♦♦ IP 67 CEE plug PowerTOP with external strain relief									
16	3	3794	<b>3796</b>	3799				10	191
16	4	3807	3811	<b>3809</b>	3810	3812	3804	10	221
16	5	3819	3823	<b>3821</b>				10	272
32	3	3829	<b>3830</b>	3832				10	307
32	4	3839	3844	<b>3841</b>	3842	3845	3837	10	324
32	5	3851	3855	<b>3853</b>				10	410

Products with extra earth terminal: article number + index **SY**.

For more information see page 18.



♦♦ IP 67 CEE plug PowerTOP with external strain relief									
63	3	1570A	<b>1571A</b>	1572A				5	664
63	4	1108A	1109A	<b>1110A</b>	1111A			5	724
63	5	1112A	1113A	<b>1114A</b>	2958A			5	779
125	3	3399A	<b>3400A</b>					5	1095
125	4	1441A	1442A	<b>1443A</b>	1444A			5	1227
125	5	1445A	1446A	<b>1447A</b>	3173A			5	1334

Products with extra earth terminal: article number + index **SY** (instead of index **A**).

For more information see page 18.



♦♦ IP 67 CEE plug economy range									
63	4			<b>303</b>				5	634
63	5			<b>307</b>				5	682



Protective cover for IP 67 inlets and plugs									
Ampere	poles	cat.-no.							
16	3	40784						50	33
16	4	40778						50	40
16	5+7	40785						50	54
32	3+4	40841						50	57
32	5+7	40786						50	78
63	3, 4+5	40787						50	107
125	3, 4+5	40788						40	115



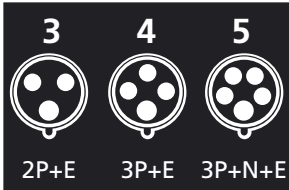
Plug-Guard									
suitable for all CEE plugs and inlets up to 125A except low voltage									
cat.-no. 41416								40	15



# MENNEKES CEE panel mounted inlets

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz			230 V 50 a. 60 Hz			400 V 50 a. 60 Hz			500 V 50 a. 60 Hz			>50 - 500 V 100-300 Hz			>50 - 500 V a. 300-500 Hz			STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h	4-pole 4h	5-pole 4h	3-pole 6h	4-pole 9h	5-pole 9h	3-pole 9h	4-pole 6h	5-pole 6h	3-pole 7h	4-pole 7h	5-pole 7h	3-pole 10h	4-pole 10h	5-pole 10h	3-pole 2h	4-pole 2h	5-pole 2h		



⚠ IP 44 CEE panel mounted inlet												Dimensions: page 56/57			
16	5													10	117
32	5													10	183

A retaining device to match the hinged lid of the connector must be provided to ensure the latching feature.



⚠ IP 44 CEE panel mounted inlet, Flange 75 x 75 mm, Fixing distance 60 x 60 mm															
16	5													10	120

A retaining device to match the hinged lid of the connector must be provided to ensure the latching feature.



⚠ IP 44 CEE panel mounted inlet												Dimensions: page 56/57			
16	3	810			812									10	136
16	4				837			813			814			10	157
16	5							815						10	172
32	3	816			817									10	198
32	4				838			819			820			10	210
32	5							821						10	245

A retaining device to match the hinged lid of the connector must be provided to ensure the latching feature.



⚠ IP 44 CEE panel mounted inlet												Dimensions: page 56/57			
63	3	822			1981									5	360
63	4				1984			1982			824			5	480
63	5							1688						5	538

A retaining device to match the hinged lid of the connector must be provided to ensure the latching feature.



⚠ IP 67 CEE panel mounted inlet												Dimensions: page 57			
16	3	825			826									10	170
16	4				839			827			828			10	174
16	5							829						10	205
32	3	830			831									10	239
32	4				840			832			833			10	256
32	5							834						10	295

A retaining device to match the hinged lid of the connector must be provided to ensure the latching feature.



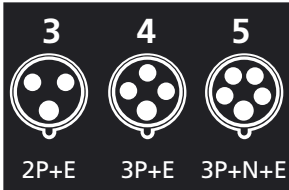
⚠ IP 67 CEE panel mounted inlet												Dimensions: page 57			
63	3	835			836									5	478
63	4				3704			3656			3657			5	553
63	5							3658						5	590
125	3				3665									5	890
125	4				3413			3583			3600			5	1005
125	5							1983						5	1130



# MENNEKES CEE inlets

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz			230 V 50 a. 60 Hz			400 V 50 a. 60 Hz			500 V 50 a. 60 Hz			>50 - 500 V 100-300 Hz			>50 - 500 V a. 300-500 Hz		
		3-pole 4h	4-pole 4h	5-pole 4h	3-pole 6h	4-pole 9h	5-pole 9h	3-pole 9h	4-pole 6h	5-pole 6h	3-pole 7h	4-pole 7h	5-pole 7h	3-pole 10h	4-pole 10h	5-pole 10h	3-pole 2h	4-pole 2h	5-pole 2h

STD. PACK. QTY.  
WEIGHT G/EA.



▲ IP 44 CEE wall mounted inlet Dimensions: page 58

16	3	331	<b>332</b>	333												10	148
16	4	334	335	<b>336</b>	337		921	922								10	237
16	5	340	341	<b>342</b>	2359	2668	2400									10	246
32	3	343	<b>344</b>	345												10	350
32	4	346	347	<b>348</b>	349											10	353
32	5	352	353	<b>354</b>	2386											10	374



▲▲ IP 67 CEE wall mounted inlet Dimensions: page 58

63	3	1216	<b>1107</b>	1217												5	825
63	4	355	356	<b>357</b>	358											5	884
63	5	359	360	<b>361</b>												5	931
125	4	362	363	<b>364</b>	365											3	2061
125	5	366	367	<b>368</b>												3	2178



▲ IP 44 CEE wall mounted inlet Dimensions: page 58

16	4	371	372	<b>373</b>	374											10	170
16	5	377	378	<b>379</b>												10	182
32	3	380	<b>381</b>	382												10	224
32	4	383	384	<b>385</b>	386											10	245
32	5	389	390	<b>391</b>												10	260



▲ IP 44 CEE wall mounted inlet with hinged lid Dimensions: page 58

16	4	392	393	<b>394</b>	395											10	260
16	5	398	399	<b>400</b>												10	275
32	3	401	<b>402</b>	403												10	323
32	4	404	405	<b>406</b>	407											10	347
32	5	410	411	<b>412</b>												10	365



▲ IP 44 CEE recessed inlet, flush mounted Dimensions: page 58

suitable for use with below mentioned connectors																	
16	3		<b>8001</b>													5	297

▲ IP 44 CEE angled connector Dimensions: page 58

16	3		<b>1438</b>													10	144
----	---	--	-------------	--	--	--	--	--	--	--	--	--	--	--	--	----	-----



▲ IP 44 CEE connector ProTOP Dimensions: page 58

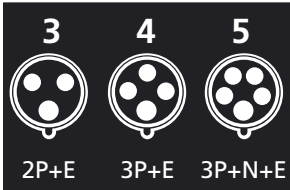
16	3		<b>180AC</b>													10	175
----	---	--	--------------	--	--	--	--	--	--	--	--	--	--	--	--	----	-----



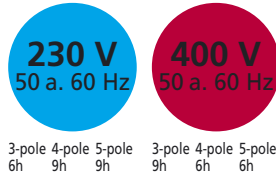
# MENNEKES CEE phase inverter plugs and inlets

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE  
POLES



STD. PACK. QTY.  
WEIGHT G/EA.



⚠ IP 44 CEE phase inverter plug ProTOP				
16	5		<b>3319A</b>	10 163



⚠ IP 44 CEE phase inverter plug AM-TOP®				
16	4	338	<b>339</b>	10 155
16	5	318	<b>319</b>	10 175
32	4	396	<b>397</b>	10 277
32	5	321	<b>322</b>	10 279



⚠⚠ IP 67 CEE phase inverter plug AM-TOP®				
16	4	3338	<b>3339</b>	10 178
16	5		<b>325</b>	10 195
32	4	3340	<b>3341</b>	10 318
32	5	327	<b>328</b>	10 333



⚠ IP 44 CEE angled plug phase inverter VarioTOP				
16	5		<b>859</b>	10 186



⚠ IP 44 CEE panel mounted phase inverter inlet, flange 75 x 75 mm, fixing distance 60 x 60 mm				
16	5		<b>854</b>	10 124

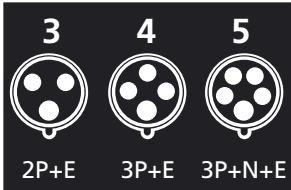


⚠ IP 44 CEE panel mounted phase inverter inlet RAPIDO, dia. 70 mm				Dimensions: page 57
16	5		<b>937</b>	10 160

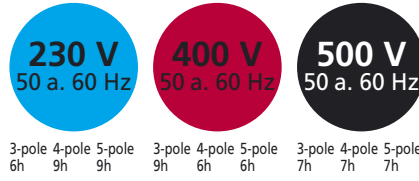
# MENNEKES CEE phase inverter inlets, phase sequence test plugs

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE  
POLES



STD. PACK. QTY.  
WEIGHT G/EA.



⚠ IP 44 CEE wall mounted phase inverter inlet			Dimensions: page 57	
16	5	<b>3517</b>	10	215



⚠ IP 44 CEE wall mounted phase inverter inlet			Dimensions: page 58	
16	4	3342	<b>3343</b>	10 241
16	5		<b>2511</b>	10 250
32	4	3345	<b>3346</b>	10 357
32	5	3347	<b>2478</b>	10 378



⚠ IP 44 CEE panel mounted phase inverter inlet			Dimensions: page 58	
16	4	3357	<b>855</b>	10 174
16	5		<b>329</b>	10 176
32	4	3367	<b>3368</b>	10 248
32	5	913	<b>330</b>	10 258



⚠ IP 44 CEE panel mounted phase inverter inlet with hinged cover			Dimensions: page 58	
16	4	3348	<b>3350</b>	10 264
16	5		<b>20970</b>	10 275
32	4	3355	<b>3356</b>	10 349
32	5	3717	<b>21241</b>	10 362



⚠ IP 44 CEE phase sequence test plug to VDE 0413, part 9				
16	4	3527	<b>3458</b>	3459 5 169
16	5	3231	<b>1414</b>	5 170
32	4	3528	<b>3460</b>	3461 5 212
32	5	3232	<b>1415</b>	5 242
63	4	3420	<b>1436</b>	3917 5 612
63	5		<b>1437</b>	5 671

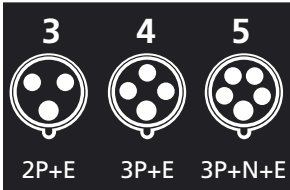


⚠ IP 44 CEE phase sequence test plug for container, earth-contact in 3h-position				
32	4		<b>3718</b>	5 212

# MENNEKES CEE connectors

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



STD. PACK. QTY.  
WEIGHT G/EA.



⚠ IP 44 CEE connector <b>AM-TOP</b>									
AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50-500 V 100-300 Hz	>50-500 V a. 300-500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h 4-pole 4h 5-pole 4h	3-pole 6h 4-pole 9h 5-pole 9h	3-pole 9h 4-pole 6h 5-pole 6h	3-pole 7h 4-pole 7h 5-pole 7h	3-pole 10h 4-pole 10h 5-pole 10h	3-pole 2h 4-pole 2h 5-pole 2h		
16	3	509	<b>510</b>	511		2441	2517	10	174
16	4	512	513	<b>514</b>	515	516	517	10	200
16	5	518	519	<b>5</b>	2026	2193	2495	10	240
16	7	Please see page 37							
32	3	521	<b>522</b>	523		2196	2674	10	313
32	4	524	525	<b>526</b>	527	528	529	10	331
32	5	530	531	<b>6</b>	2027	2245	2493	10	380
32	7	Please see page 37							



⚠ IP 44 CEE connector <b>ProTOP</b>									
AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50-500 V 100-300 Hz	>50-500 V a. 300-500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h 4-pole 4h 5-pole 4h	3-pole 6h 4-pole 9h 5-pole 9h	3-pole 9h 4-pole 6h 5-pole 6h	3-pole 7h 4-pole 7h 5-pole 7h	3-pole 10h 4-pole 10h 5-pole 10h	3-pole 2h 4-pole 2h 5-pole 2h		
16	3	179A	<b>180A</b>	181A				10	175
16	4		193A	<b>194A</b>	195A			10	213
16	5			<b>15A</b>				10	246
32	3	121	<b>122</b>					10	320
32	4		125	<b>126</b>	127			10	332
32	5			<b>16A</b>				10	370



⚠ IP 44 CEE connector <b>StarTOP</b> with SafeCONTACT									
AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50-500 V 100-300 Hz	>50-500 V a. 300-500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h 4-pole 4h 5-pole 4h	3-pole 6h 4-pole 9h 5-pole 9h	3-pole 9h 4-pole 6h 5-pole 6h	3-pole 7h 4-pole 7h 5-pole 7h	3-pole 10h 4-pole 10h 5-pole 10h	3-pole 2h 4-pole 2h 5-pole 2h		
16	3	979	<b>980</b>					10	186
16	4		993	<b>994</b>	965	996		10	228
16	5			<b>35</b>				10	250
32	5			<b>36</b>				10	387



⚠ IP 44 CEE connector <b>PowerTOP</b> with external strain relief									
AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50-500 V 100-300 Hz	>50-500 V a. 300-500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h 4-pole 4h 5-pole 4h	3-pole 6h 4-pole 9h 5-pole 9h	3-pole 9h 4-pole 6h 5-pole 6h	3-pole 7h 4-pole 7h 5-pole 7h	3-pole 10h 4-pole 10h 5-pole 10h	3-pole 2h 4-pole 2h 5-pole 2h		
16	3	3953	<b>3954</b>	3955				10	230
16	4	3956	3957	<b>3958</b>	3959	3960	3961	10	235
16	5	3962	3963	<b>3964</b>				10	279
32	3	3965	<b>3966</b>	3967				10	318
32	4	3968	3969	<b>3970</b>	3971	3972	3973	10	344
32	5	3974	3975	<b>3976</b>				10	422



⚠ IP 44 CEE connector <b>PowerTOP</b> with SoftCONTACT, with external strain relief									
AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50-500 V 100-300 Hz	>50-500 V a. 300-500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h 4-pole 4h 5-pole 4h	3-pole 6h 4-pole 9h 5-pole 9h	3-pole 9h 4-pole 6h 5-pole 6h	3-pole 7h 4-pole 7h 5-pole 7h	3-pole 10h 4-pole 10h 5-pole 10h	3-pole 2h 4-pole 2h 5-pole 2h		
63	3	1236A	<b>1237A</b>	1238				5	701
63	4	1239	1240A	<b>1241A</b>	1242A			5	735
63	5	1243A	1244A	<b>1245A</b>				5	798

Products with pilot contacts: article number + index **P** (instead of **A**)



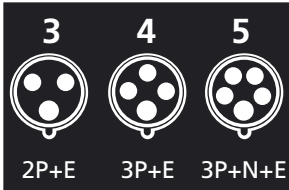
⚠ IP 44 CEE angled connector									
AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50-500 V 100-300 Hz	>50-500 V a. 300-500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h 4-pole 4h 5-pole 4h	3-pole 6h 4-pole 9h 5-pole 9h	3-pole 9h 4-pole 6h 5-pole 6h	3-pole 7h 4-pole 7h 5-pole 7h	3-pole 10h 4-pole 10h 5-pole 10h	3-pole 2h 4-pole 2h 5-pole 2h		
16	3		<b>1438</b>					10	144



# MENNEKES CEE connectors

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



<b>110 V</b> 50 a. 60 Hz	<b>230 V</b> 50 a. 60 Hz	<b>400 V</b> 50 a. 60 Hz	<b>500 V</b> 50 a. 60 Hz	<b>&gt;50 - 500 V</b> 100-300 Hz	<b>&gt;50 - 500 V</b> a. 300-500 Hz
3-pole 4h 4-pole 4h 5-pole 4h	3-pole 6h 4-pole 9h 5-pole 9h	3-pole 9h 4-pole 6h 5-pole 6h	3-pole 7h 4-pole 7h 5-pole 7h	3-pole 10h 4-pole 10h 5-pole 10h	3-pole 2h 4-pole 2h 5-pole 2h

STD. PACK. QTY.  
WEIGHT G/EA.



♦♦ IP 67 CEE connector **AM-TOP**<sup>®</sup>

AMPERE	POLES	110 V	230 V	400 V	500 V	>50 - 500 V	>50 - 500 V	STD. PACK. QTY.	WEIGHT G/EA.	
16	3	539	<b>540</b>	541				10	191	
16	4	542	543	<b>544</b>	545	546	547	10	222	
16	5	548	549	<b>550</b>				10	269	
16	7	Please see page 38								
32	3	551	<b>552</b>	553				10	357	
32	4	554	555	<b>556</b>	557	558	559	10	402	
32	5	560	561	<b>562</b>				10	434	
32	7	Please see page 38								



♦♦ IP 67 CEE connector **PowerTOP**, with external strain relief

AMPERE	POLES	110 V	230 V	400 V	500 V	>50 - 500 V	>50 - 500 V	STD. PACK. QTY.	WEIGHT G/EA.
16	3	3859	<b>3860</b>	3862				10	221
16	4	3869	3873	<b>3871</b>	3872	3874	3866	10	262
16	5	3879	3883	<b>3881</b>				10	314
32	3	3887	<b>3888</b>	3891				10	367
32	4	3896	3899	<b>3897</b>	3898	3900	3894	10	379
32	5	3905	3909	<b>3907</b>				10	476

Products with extra earth terminal: article number + index **SY**.  
For more information see page 18.



♦♦ IP 67 CEE connector **PowerTOP** with **SoftCONTACT**, with external strain relief

AMPERE	POLES	110 V	230 V	400 V	500 V	>50 - 500 V	>50 - 500 V	STD. PACK. QTY.	WEIGHT G/EA.
63	3	1573A	<b>1574A</b>	1575A				5	748
63	4	1115A	1116A	<b>1117A</b>	1118A			5	781
63	5	1119A	1120A	<b>1121A</b>	3352A			5	847

Products with pilot contacts: article number + index **P** (instead of **A**).  
Products with extra earth terminal: article number + index **SY** (instead of index **A**).  
For more information see page 18.



♦♦ IP 67 CEE connector **PowerTOP** with **TorsionSpringCONTACT**, with external strain relief

AMPERE	POLES	110 V	230 V	400 V	500 V	>50 - 500 V	>50 - 500 V	STD. PACK. QTY.	WEIGHT G/EA.
125	3	3389A	<b>3390A</b>					5	1240
125	4	1448A	1449A	<b>1450A</b>	1451A			5	1372
125	5	1452A	1453A	<b>1454A</b>	3174A			5	1514

Products with pilot contacts: article number + index **P** (instead of **A**).

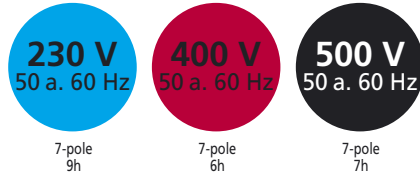


♦♦ IP 67 CEE connector **economy range**

AMPERE	POLES	110 V	230 V	400 V	500 V	>50 - 500 V	>50 - 500 V	STD. PACK. QTY.	WEIGHT G/EA.
63	4			<b>565</b>				5	714
63	5			<b>569</b>				5	766

# MENNEKES CEE plugs and receptacles 7 poles with high heat resistant contact carriers and nickel plated contacts

External dimensions to DIN VDE 0623, EN 60309-2. Other voltages and frequencies available on request.



STD. PACK. QTY.  
WEIGHT G/EA.



		Dimensions: page 58				
AMPERE	POLES	230 V	400 V	500 V	STD. PACK. QTY.	WEIGHT G/EA.
16	7	733	734	1035	10	335
32	7	735	736	1040	10	451



		Dimensions: page 58/59				
AMPERE	POLES	230 V	400 V	500 V	STD. PACK. QTY.	WEIGHT G/EA.
16	7	737	738	1045	10	216
32	7	739	740	1050	10	300



		Dimensions: page 58/59				
AMPERE	POLES	230 V	400 V	500 V	STD. PACK. QTY.	WEIGHT G/EA.
16	7	741	742	1055	10	195
32	7	743	744	1060	10	298



		Dimensions: page 58/59				
AMPERE	POLES	230 V	400 V	500 V	STD. PACK. QTY.	WEIGHT G/EA.
16	7		2166		10	260
32	7		2167		10	430



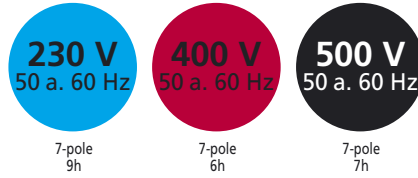
		Dimensions: page 58/59				
AMPERE	POLES	230 V	400 V	500 V	STD. PACK. QTY.	WEIGHT G/EA.
16	7	749	750	1075	10	204
32	7	751	752	1080	10	282



		Dimensions: page 58/59				
AMPERE	POLES	230 V	400 V	500 V	STD. PACK. QTY.	WEIGHT G/EA.
16	7	745	746	1065	10	241
32	7	747	748	1070	10	346

# MENNEKES CEE plugs and receptacles 7 poles with high heat resistant contact carriers and nickel plated contacts

External dimensions to DIN VDE 0623, EN 60309-2. Other voltages and frequencies available on request.



STD. PACK. QTY.  
WEIGHT G/EA.



▲▲ IP 67 CEE wall mounted receptacle					Dimensions: page 58/59	
16	7	3240	<b>2746</b>	3262	10	357
32	7	2818	<b>2648</b>	2782	10	480



▲▲ IP 67 CEE panel mounted receptacle					Dimensions: page 58/59	
16	7	2883	<b>2459</b>	2296	10	240
32	7	3775	<b>2317</b>	2212	10	372



▲▲ IP 67 CEE plug						
16	7	3776	<b>3777</b>	3913	10	245
32	7	2405	<b>2324</b>	2213	10	349



▲▲ IP 67 CEE panel mounted inlet with protective cover					Dimensions: page 58/59	
16	7	3779	<b>3914</b>	3780	10	326
32	7	3781	<b>3915</b>	3782	10	436



▲▲ IP 67 CEE connector						
16	7	3783	<b>3916</b>	3784	10	265
32	7	2406	<b>2255</b>	2460	10	355



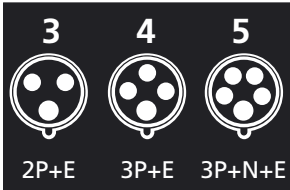
▲▲ IP 67 CEE wall mounted receptacle switched, with mechanical <b>DUO</b> -interlock					Dim.: page 59	
16	7		<b>7306</b>	(5785ZA)	6-pole „Isolator“	1 1360
32	7		<b>7307</b>	(6106ZB)	6-pole	1 1625



# MENNEKES CEE receptacles, switched, interlocked

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50 - 500 V 100- 300 Hz	>50 - 500 V a. 300- 500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
		3-pole 4h 4-pole 4h 5-pole 4h	3-pole 6h 4-pole 9h 5-pole 9h	3-pole 9h 4-pole 6h 5-pole 6h	3-pole 7h 4-pole 7h 5-pole 7h	3-pole 10h 4-pole 10h 5-pole 10h	3-pole 2h 4-pole 2h 5-pole 2h		



⚠ IP 44 CEE wall mounted receptacle switched, with mechanical DUO-interlock								Dim.: page 59	
16	3	7010AA <sup>1)</sup>	<b>7002AA</b> <sup>1)</sup>					1	994
16	4	5457A	5099A	<b>5100AA</b> <sup>1)</sup>	5101A			1	1000
16	5	5459A	5102A	<b>5103AA</b> <sup>1)</sup>				1	1026
32	3	5743AA <sup>1)</sup>	<b>5696AA</b> <sup>1)</sup>					1	1100
32	4	5460A	5104A	<b>5105AA</b> <sup>1)</sup>	5106A			1	1144
32	5	5462A	5107A	<b>5108AA</b> <sup>1)</sup>				1	1200

<sup>1)</sup>only 2 x M25 at the top



⚠ IP 44 CEE wall mounted receptacle switched, with mechanical DUO-interlock with SoftCONTACT								Dim.: page 59	
63	3	6569	<b>6571</b>					3	2260
63	4		5955A	<b>5956A</b>	5957A			3	2305
63	5			<b>5959A</b>				3	2530



⚠ IP 44 CEE wall mounted receptacle switched, with mechanical DUO-interlock								Dim.: page 59	
16	3	7273	<b>7274</b>					5	632
16	4		7380	<b>7275</b>				5	700
16	5			<b>7276</b>				5	750



⚠ IP 44 CEE panel mounted receptacle switched, with mechanical DUO-interlock recessed type								Dim.: page 59	
16	3	7265	<b>7266</b>					5	413
16	4		7382	<b>7267</b>				5	493
16	5			<b>7268</b>				5	532



⚠ IP 67 CEE wall mounted receptacle switched, with mechanical DUO-interlock								Dim.: page 59	
16	3	7011AA <sup>1)</sup>	<b>7012AA</b> <sup>1)</sup>					1	1010
16	4		5599A	<b>5600AA</b> <sup>1)</sup>	5601A			1	1032
16	5		5602A	<b>5603AA</b> <sup>1)</sup>				1	1064
32	3	5924AA <sup>1)</sup>	<b>5793AA</b> <sup>1)</sup>					1	1150
32	4		5604A	<b>5605AA</b> <sup>1)</sup>	5606A			1	1180
32	5		5607A	<b>5608AA</b> <sup>1)</sup>				1	1230

<sup>1)</sup>only 2 x M25 at the top



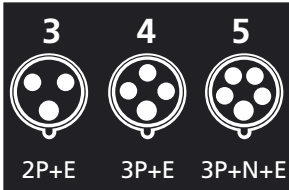
⚠ IP 67 CEE wall mounted receptacle switched, with mechanical DUO-interlock with SoftCONTACT								Dim.: page 60	
63	3	5925A	<b>5911A</b>					3	2346
63	4		5109A	<b>5110A</b>	5111A			3	2360
63	5		5112A	<b>5113A</b>	5759A			3	2578

Many of the products shown on this page can be equipped with auxiliary contacts – ask for separate leaflet.

# MENNEKES CEE receptacles, switched, interlocked

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50-500 V 100-300 Hz	>50-500 V a. 300-500 Hz	STD. PACK. QTY.	WEIGHT G/EA.
	3-pole 4-pole 5-pole 4h 4h 4h								
	3-pole 4-pole 5-pole 6h 9h 9h								
	3-pole 4-pole 5-pole 9h 6h 6h								
	3-pole 4-pole 5-pole 7h 7h 7h								
	3-pole 4-pole 5-pole 10h 10h 10h								
	3-pole 4-pole 5-pole 2h 2h 2h								



▲▲ IP 67 CEE wall mounted receptacle switched, with mechanical DUO-interlock with TorsionSpringCONTACT Dim.: page 60

125	3	7060	7000					1	7200
125	4		5887A	5691A	5690A			1	7817
125	5		5888A	5692A				1	8388



▲▲ IP 67 CEE wall mounted receptacle switched, with mechanical DUO-interlock Dim.: page 60

16	3	7277	7278					5	645
16	4		7381	7279				5	673
16	5			7280				5	710



▲▲ IP 67 CEE panel mounted receptacle switched, with mechanical DUO-interlock recessed type Dim.: page 60

16	3	7269	7270					5	557
16	4		7383	7271				5	582
16	5			7272				5	607



Dimensions: page 60

▲▲ IP 67 CEE receptacle switched, interlocked, protected by 1 RCD 30mA

110V 16A 2P+E	52210
230V 16A 2P+E	51392
400V 16A 3P+E	24202
400V 16A 3P+N+E	24203
110V 32A 2P+E	52211
230V 32A 2P+E	24204
400V 32A 3P+E	24205
400V 32A 3P+N+E	24206



Dimensions: page 60

▲▲ IP 67 CEE receptacle switched, interlocked, protected by 1 RCD 30mA / 1 MCB

110V 16A 2P+E	52213
230V 16A 2P+E	51393
400V 16A 3P+E	24242
400V 16A 3P+N+E	24243
110V 32A 2P+E	52214
230V 32A 2P+E	24244
400V 32A 3P+E	24245
400V 32A 3P+N+E	24246



Dimensions: page 60

▲▲ IP 67 CEE receptacle switched, interlocked, protected by 1 RCD 30mA

110V 63A 2P+E	52212
230V 63A 2P+E	24207
400V 63A 3P+E	24208
400V 63A 3P+N+E	24209



Dimensions: page 60

▲▲ IP 67 CEE receptacle switched, interlocked, protected by 1 RCD 30mA / 1 MCB

110V 63A 2P+E	52215
230V 63A 2P+E	24247
400V 63A 3P+E	24248
400V 63A 3P+N+E	24249



Dimensions: page 60

▲▲ IP 67 CEE receptacle switched, interlocked, protected by 1 RCD 30mA

230V 125A 2P+E	52030
400V 125A 3P+E	52031
400V 125A 3P+N+E	52032



Dimensions: page 60

▲▲ IP 67 CEE receptacle switched, interlocked, protected by 1 RCD 100mA

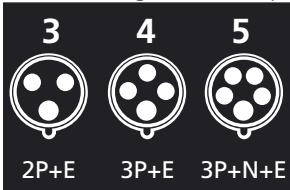
230V 125A 2P+E	52033
400V 125A 3P+E	52034
400V 125A 3P+N+E	52035

# MENNEKES CEE receptacles and combinations with high resistance to chemicals

to DIN VDE 0623, EN 60309-2. Colour: Grey RAL 7000 and code colour.

Enclosure made of **Amelan**, high heat resistant contact carriers and nickel plated contacts.

Other voltages and frequencies available on request.



AMPERE

POLES

3-pole 4-pole 5-pole  
4h 4h 4h

3-pole 4-pole 5-pole  
6h 9h 9h

3-pole 4-pole 5-pole  
9h 6h 6h

3-pole 4-pole 5-pole  
7h 7h 7h

STD. PACK. QTY.

WEIGHT G/EA.



## IP67 CEE wall mounted receptacle, top and bottom entry Dimensions: page 60

16	3	3767 (1192VA)		10	245
16	4		3768 (1196VA)	10	298
16	5		3769 (1200VA)	10	342
32	3	3770 (1202VA)		10	380
32	4		3771 (1206VA)	10	390
32	5		3772 (1201VA)	10	450



## IP67 CEE wall mounted receptacle, SoftCONTACT, top and bottom entry Dim.: page 60/61

63	4		3773 (132VA)	5	920
63	5		3774 (136VA)	5	970

Products with pilot contacts: article number + index P)



## IP67 CEE wall mounted receptacle switched, with mechanical DUO-interlock Dim.: page 59

16	3	7283 (7012VA)		1	1060
16	4		7284 (5600VA)	1	1110
16	5		7285 (5603VA)	1	1150
32	3	7286 (5793VA)		1	1165
32	4		7287 (5605VA)	1	1180
32	5		7288 (5608VA)	1	1230



## IP67 CEE wall mounted receptacle switched, with mechanical DUO-interlock with SoftCONTACT Dim.: page 60

63	4		7289 (5110VA)	3	2530
63	5		7290 (5113VA)	3	2660



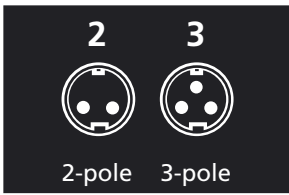
## IP67 CEE wall mounted receptacle Dimensions: page 61

16	3	52113VA		1	1060
16	4		52114VA	1	1110
16	5		52115VA	1	1150
32	3		52116VA	1	1165
32	4		52117VA	1	1180
32	5		52118VA	1	1230

# MENNEKES CEE wall and panel mounted receptacles for low voltage

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	Voltage and Frequency Options						STD. PACK. QTY.	WEIGHT G/EA.
		20-25 V 50 a. 60Hz	40-50 V 50 a. 60Hz	20-25 V 40-50 V 100-200 Hz	20-25 V 40-50 V 300 Hz	20-25 V 40-50 V 400 Hz	20-25 V 40-50 V 400-500 Hz		
		-	12h	4h	2h	3h	11h	10h	



⚠ IP 44 CEE wall mounted receptacle								Dimensions: page 60/61		
16	2	1825	1831					1829	10	189
16	3	1832	1837	1835					10	209
32	2	1838	1844					1842	10	189
32	3	1845	1850	1848					10	209



⚠ IP 44 CEE wall mounted receptacle								Dimensions: page 60/61		
16	2	577	578					583	10	260
16	3	584	585	586					10	275
32	2	590	591					596	10	260
32	3	597	598	599					10	275



⚠ IP 44 CEE panel mounted receptacle								Dimensions: page 60/61		
16	2	603	604					609	10	108
16	3	610	611	612					10	130
32	2	616	617					622	10	108
32	3	623	624	625					10	130



⚠ IP 44 CEE panel mounted receptacle								Dimensions: page 60/61		
16	2	1602	1603					2617A	10	126
16	3	1657	1661	1823					10	147
32	2	1693	3290					2488A	10	128
32	3	1694	1695	1579					10	138



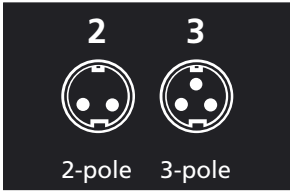
⚠ IP 44 CEE panel mounted receptacle								Dimensions: page 60/61		
16	2	1270	2855					2841	10	125
16	3	2845	1272	2860					10	143
32	2	1271	2864					2869	10	125
32	3	2870	1273	2852					10	143



# MENNEKES CEE plugs, connectors and inlets for low voltage

to DIN VDE 0623, EN 60309-2.

Other voltages and frequencies available on request.



AMPERE	POLES	20-25 V 50 a. 60Hz	40-50 V 50 a. 60Hz	20-25 V 40-50 V 100-200 Hz	20-25 V 40-50 V 300 Hz	20-25 V 40-50 V 400 Hz	20-25 V 40-50 V 400-500 Hz	40-50 V	STD. PACK. QTY.	WEIGHT G/EA.
		-	12h	4h	2h	3h	11h	10h		



⚠ IP 44 CEE plug with cable sleeve										
16	2	629A	630A					635A	10	140
16	3	636A	637A	638A					10	153
32	2	642A	643A					648A	10	141
32	3	649A	650A	651A					10	155



⚠ IP 44 CEE plug with cable gland										
16	2	655A	656A					661A	10	163
16	3	662A	663A	664A					10	175
32	2	668A	669A					674A	10	163
32	3	675A	676A	677A					10	177



⚠ IP 44 CEE connector with cable sleeve										
16	2	681A	682A					687A	10	186
16	3	688A	689A	690A					10	205
32	2	694A	695A					700A	10	184
32	3	701A	702A	703A					10	205



⚠ IP 44 CEE connector with cable gland										
16	2	707A	708A					713A	10	208
16	3	714A	715A	716A					10	227
32	2	720A	721A					726A	10	208
32	3	727A	728A	729A					10	227



⚠ IP 44 CEE wall mounted inlet										
16	2	1955	1961					1959	10	144
16	3	1962	1967	1965					10	159
32	2	1968	1974					1972	10	145
32	3	1975	1980	1978					10	166

Dimensions: page 61

## MENNEKES® receptacle combinations

MENNEKES® receptacle combinations are available tailor made in size and equipment to your individual specification.

Robust cases, fitted with CEE receptacles, capable of withstanding the stresses imposed during insertion and withdrawal of the plugs.

Wiring looms consisting of cables, of sufficient cross sectional area, either fitted

with end ferrules or cable lugs or the ends are ultrasonically welded.

Combination units incorporating isolators can be equipped with auxiliary contacts to order. Ask for a special leaflet.

The illustration to the right is only one of many possibilities. Please provide us with your specification for a quotation.



MENNEKES RCD combinations included in this catalogue, are fitted, as standard, with residual current devices having a rated tripping current of 30 mA, which will provide

a high degree of protection against electrocution, to a human being, in an accidental shock situation. Residual current devices having a rated tripping current of

100 mA or 300 mA are available to special order. It should be noted that a residual current device having a rated tripping current of 300 mA will not provide protection,

to a human being, against electrocution. Unless otherwise specified 110V 3P sockets will be protected by double pole MCB's and 230V 3P sockets by single pole MCB's.

# MENNEKES receptacle combinations, ready wired for installation

All enclosures used in the manufacture of MENNEKES receptacle combinations are moulded from high grade thermoplastic materials which combine excellent insulation properties with strength and durability. They are fire resistant, i.e. self extinguishing, and

dimensionally stable in extremes of temperature. CEE receptacles equipped with fully shrouded terminals, are fitted as stated. Where corrosion resistant metal screws are used to secure these receptacles to the enclosure an insulated metal nut is

utilised to ensure that the screw cannot be made live from within the enclosure. All cables used for the internal wiring are properly sized and ferruled or ultrasonically welded to ensure that the terminal screws do not damage the conductors.

Residual current devices and miniature circuit breakers used to provide earth leakage, short circuit and over-current protection are rated in accordance with the following specification.

Socket-outlet rated current	RCD rated current	Rated tripping current	MCB rating
16 amps	25 amps	30 m/ amps	16 amps
32 amps	40 amps	30 m/ amps	32 amps
63 amps	63 amps	30 m/ amps	63 amps



⚠ IP44 CEE receptacle protected by 1 RCD 30mA  
110V 16A 2P+E **50974**  
230V 16A 2P+E **50975**

Dimensions: page 59



⚠ IP44 CEE receptacle protected by 1 RCD 30mA  
110V 32A 2P+E **50984**  
230V 32A 2P+E **50985**

Dimensions: page 59



Dimensions: Page 61

⚠ IP44 CEE receptacle protected by 1 RCD 30mA  
110V 16A 2P+E **52060**  
230V 16A 2P+E **52061**  
230V 13A 2P+E **52062**  
400V 16A 3P+E **52072**  
400V 16A 3P+N+E **52073**



Dimensions: Page 61

⚠ IP44 CEE receptacle protected by 1 RCD 30mA and 1 MCB  
110V 16A 2P+E **52090**  
230V 16A 2P+E **52091**



Dimensions: Page 61

⚠ IP44 CEE receptacle protected by 1 RCD 30mA  
110V 16A 2P+E **52111**  
230V 16A 2P+E **24193**  
400V 16A 3P+E **24194**  
400V 16A 3P+N+E **24195**  
110V 32A 2P+E **52120**  
230V 32A 2P+E **24196**  
400V 32A 3P+E **24197**  
400V 32A 3P+N+E **24198**



Dimensions: Page 61

⚠ IP44 CEE receptacle protected by 1 RCD 30mA and 1 MCB  
110V 16A 2P+E **52131**  
230V 16A 2P+E **24233**  
400V 16A 3P+E **24234**  
400V 16A 3P+N+E **24235**  
110V 32A 2P+E **52140**  
230V 32A 2P+E **24236**  
400V 32A 3P+E **24237**  
400V 32A 3P+N+E **24238**



Dimensions: Page 61

⚠ IP44 CEE receptacle protected by 1 RCD 30mA  
110V 63A 2P+E **52151**  
230V 63A 2P+E **52152**  
400V 63A 3P+E **52153**  
400V 63A 3P+N+E **52154**

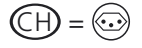
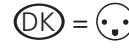
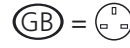
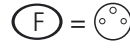


Dimensions: Page 61

⚠ IP44 CEE receptacle protected by 1 RCD 30mA and 1 MCB  
110V 63A 2P+E **52155**  
230V 63A 2P+E **52156**  
400V 63A 3P+E **52157**  
400V 63A 3P+N+E **52158**

# MENNEKES receptacle combinations, ready wired for installation

Combinations can also be supplied with SCHUKO® type receptacles 16A, 230V, 2P+E or French/Belgian, British, Danish and Swiss standards:



Dimensions: Page 61

<b>▲▲ IP67 CEE receptacle protected by 1 RCD 30mA</b>	
110V 16A 2P+E	<b>52112</b>
230V 16A 2P+E	<b>52113</b>
400V 16A 3P+E	<b>52114</b>
400V 16A 3P+N+E	<b>52115</b>
110V 32A 2P+E	<b>52121</b>
230V 32A 2P+E	<b>52116</b>
400V 32A 3P+E	<b>52117</b>
400V 32A 3P+N+E	<b>52118</b>



Dimensions: Page 61

<b>▲▲ IP67 CEE receptacle protected by 1 RCD 30mA and 1 MCB</b>	
110V 16A 2P+E	<b>52132</b>
230V 16A 2P+E	<b>52133</b>
400V 16A 3P+E	<b>52134</b>
400V 16A 3P+N+E	<b>52135</b>
110V 32A 2P+E	<b>52141</b>
230V 32A 2P+E	<b>52136</b>
400V 32A 3P+E	<b>52137</b>
400V 32A 3P+N+E	<b>52138</b>



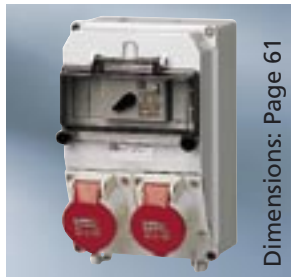
Dimensions: Page 61

<b>▲▲ IP67 CEE receptacle protected by 1 RCD 30mA</b>	
110V 63A 2P+E	<b>52119</b>
230V 63A 2P+E	<b>24199</b>
400V 63A 3P+E	<b>24200</b>
400V 63A 3P+N+E	<b>24201</b>



Dimensions: Page 61

<b>▲▲ IP67 CEE receptacle protected by 1 RCD 30mA and 1 MCB</b>	
110V 63A 2P+E	<b>52139</b>
230V 63A 2P+E	<b>24239</b>
400V 63A 3P+E	<b>24240</b>
400V 63A 3P+N+E	<b>24241</b>



Dimensions: Page 61

<b>▲ IP44 two CEE receptacles protected by 1 RCD 30mA</b>	
110V 16A 2P+E	<b>52063</b>
230V 16A 2P+E	<b>52064</b>
230V 13A 2P+E	<b>52065</b>
400V 16A 3P+E	<b>52076</b>
400V 16A 3P+N+E	<b>52077</b>
110V 32A 2P+E	<b>52078</b>
230V 32A 2P+E	<b>52079</b>
400V 32A 3P+E	<b>52080</b>
400V 32A 3P+N+E	<b>52081</b>



Dimensions: Page 61

<b>▲ IP44 two CEE receptacles protected by 1 RCD 30mA and 1 MCB</b>	
110V 16A 2P+E	<b>52093</b>
230V 16A 2P+E	<b>52094</b>
230V 13A 2P+E	<b>52095</b>
400V 16A 3P+E	<b>52096</b>
400V 16A 3P+N+E	<b>52097</b>
110V 32A 2P+E	<b>52098</b>
230V 32A 2P+E	<b>52099</b>
400V 32A 3P+E	<b>52100</b>
400V 32A 3P+N+E	<b>52101</b>



Dimensions: Page 61

<b>▲ IP44 two CEE receptacles protected by 2 RCD's 30mA</b>	
110V 16A 2P+E	<b>52067</b>
230V 16A 2P+E	<b>52068</b>
230V 13A 2P+E	<b>52069</b>
400V 16A 3P+E	<b>52082</b>
400V 16A 3P+N+E	<b>52083</b>
110V 32A 2P+E	<b>52084</b>
230V 32A 2P+E	<b>52085</b>
400V 32A 3P+E	<b>52086</b>
400V 32A 3P+N+E	<b>52087</b>



Dimensions: Page 61

<b>▲ IP44 two CEE receptacles protected by 1 RCD 30 mA and 2 MCB's</b>	
110V 16A 2P+E	<b>52102</b>
230V 16A 2P+E	<b>52103</b>
230V 13A 2P+E	<b>52104</b>
110V 32A 2P+E	<b>52105</b>
230V 32A 2P+E	<b>52106</b>



Dimensions: Page 61

<b>▲▲ IP67 two CEE receptacles protected by 1 RCD 30mA</b>	
110V 16A 2P+E	<b>52122</b>
230V 16A 2P+E	<b>52123</b>

<b>▲▲ IP67 two CEE receptacles protected by 2 RCD's 30mA</b>	
110V 16A 2P+E	<b>52124</b>
230V 16A 2P+E	<b>52125</b>



Dimensions: Page 61

<b>▲▲ IP67 two CEE receptacles protected by 1 RCD 30 mA and 1 MCB</b>	
110V 16A 2P+E	<b>52142</b>
230V 16A 2P+E	<b>52143</b>

<b>▲▲ IP67 two CEE receptacles protected by 2 RCD's 30 mA and 1 MCB</b>	
110V 16A 2P+E	<b>52144</b>
230V 16A 2P+E	<b>52145</b>



Dimensions: Page 61

<b>▲ IP44 CEE receptacle protected by 1 MCB</b>	
110V 16A 2P+E	<b>52170</b>
230V 16A 2P+E	<b>52171</b>
400V 16A 3P+E	<b>52172</b>
400V 16A 3P+N+E	<b>52173</b>
110V 32A 2P+E	<b>52174</b>
230V 32A 2P+E	<b>52175</b>
400V 32A 3P+E	<b>52176</b>
400V 32A 3P+N+E	<b>52177</b>



Dimensions: Page 61

<b>▲▲ IP67 CEE receptacle protected by 1 MCB</b>	
110V 16A 2P+E	<b>52190</b>
230V 16A 2P+E	<b>52191</b>
400V 16A 3P+E	<b>52192</b>
400V 16A 3P+N+E	<b>52193</b>
110V 32A 2P+E	<b>52194</b>
230V 32A 2P+E	<b>52195</b>
400V 32A 3P+E	<b>52196</b>
400V 32A 3P+N+E	<b>52197</b>



# MENNEKES receptacle combinations, ready wired for installation

## MENNEKES EverGUM receptacle combinations, wall mounted

## MENNEKES EverGUM receptacle combinations, portable

Solid rubber enclosure, **signal yellow**, ready wired for installation.

Combinations can also be supplied with SCHUKO® type receptacles 16A, 230V, 2P+E or French/Belgian, British, Danish and Swiss standards:



Dimensions: page 61

▲ IP44 two CEE receptacles protected by 2 MCB's	
110V 16A 2P+E	<b>52180</b>
230V 16A 2P+E	<b>52181</b>
400V 16A 3P+E	<b>52182</b>
400V 16A 3P+N+E	<b>52183</b>
110V 32A 2P+E	<b>52184</b>
230V 32A 2P+E	<b>52185</b>
400V 32A 3P+E	<b>52186</b>
400V 32A 3P+N+E	<b>52187</b>



Dimensions: page 61

▲ IP67 two CEE receptacles protected by 2 MCB's	
110V 16A 2P+E	<b>52200</b>
230V 16A 2P+E	<b>52201</b>



Dimensions: page 60

▲▲ IP67 CEE receptacle switched, interlocked, protected by 1 RCD 30 mA	
110V 16A 2P+E	<b>52210</b>
230V 16A 2P+E	<b>51392</b>
400V 16A 3P+E	<b>24202</b>
400V 16A 3P+N+E	<b>24203</b>
110V 32A 2P+E	<b>52211</b>
230V 32A 2P+E	<b>24204</b>
400V 32A 3P+E	<b>24205</b>
400V 32A 3P+N+E	<b>24206</b>



Dimensions: page 60

▲▲ IP67 CEE receptacle switched, interlocked, protected by 1 RCD 30 mA and 1 MCB	
110V 16A 2P+E	<b>52213</b>
230V 16A 2P+E	<b>51393</b>
400V 16A 3P+E	<b>24242</b>
400V 16A 3P+N+E	<b>24243</b>
110V 32A 2P+E	<b>52214</b>
230V 32A 2P+E	<b>24244</b>
400V 32A 3P+E	<b>24245</b>
400V 32A 3P+N+E	<b>24246</b>



Dimensions: page 60

▲▲ IP67 CEE receptacle switched, interlocked, protected by 1 RCD 30 mA	
110V 63A 2P+E	<b>52212</b>
230V 63A 2P+E	<b>24207</b>
400V 63A 3P+E	<b>24208</b>
400V 63A 3P+N+E	<b>24209</b>



Dimensions: page 60

▲▲ IP67 CEE receptacle switched, interlocked, protected by 1 RCD 30 mA and 1 MCB	
110V 63A 2P+E	<b>52215</b>
230V 63A 2P+E	<b>24247</b>
400V 63A 3P+E	<b>24248</b>
400V 63A 3P+N+E	<b>24249</b>



Dimensions: page 60

▲▲ IP67 CEE receptacle switched, interlocked, protected by 1 RCD 30 mA	
230V 125A 2P+E	<b>52030</b>
400V 125A 3P+E	<b>52031</b>
400V 125A 3P+N+E	<b>52032</b>



Dimensions: page 60

▲▲ IP67 CEE receptacle switched, interlocked, protected by 1 RCD 100 mA	
230V 125A 2P+E	<b>52033</b>
400V 125A 3P+E	<b>52034</b>
400V 125A 3P+N+E	<b>52035</b>



EverGUM combination, wall mounted	
▲ IP44 Enclosure: 380x320x200 mm	
2 CEE receptacles 16A, 400V, 5P	
2 CEE receptacles 32A, 400V, 5P	
Fuse/protection:	
2 MCBs 16A, 3P, "C"	
2 MCBs 32A, 3P, "C"	
1 RCD $I_{\Delta N} = 0.03A$	

**70013**



EverGUM combination, portable	
▲ IP44 Enclosure: 445x135x95 mm	
3 CEE receptacles 16A, 400V, 5P	
Supply cable 2m H07RN-F5G2,5 with CEE plug 16A, 400V, 5P	

**70029**



EverGUM combination, portable	
▲ IP44 Enclosure: 306x230x287 mm	
2 CEE receptacles 16A, 400V, 5P	
1 CEE receptacle 32A, 400V, 5P	
4 SCHUKO® receptacles 16A, 230V, 2P+E	
Fuse/protection: 2 Neozed D01, 3P	
2 Neozed D01, 1P	
Supply cable 2m H07RN-F5G4 with CEE plug 32A, 400V, 5P	

**70433**



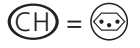
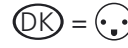
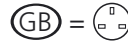
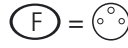
EverGUM combination, portable	
▲ IP44 Enclosure: 445x135x95 mm	
2 CEE receptacles 16A, 110V, 3P	
Fuse/protection:	
1 RCD $I_{\Delta N} = 0.03A$ , 2P	

**52650**

**Details of complete EverGUM range available on request.**

# MENNEKES receptacle strips, ready wired for installation

Combinations can also be supplied with SCHUKO® type receptacles 16A, 230V, 2P+E or French/Belgian, British, Danish and Swiss standards:



⚠ IP44 two CEE receptacles protected by 1 RCD 30mA  
 110V 16A 2P+E **52000**  
 230V 16A 2P+E **52002**  
 230V 13A 2P+E **52004**

Dimensions: Page 61



⚠ IP44 three CEE receptacles protected by 1 RCD 30mA  
 110V 16A 2P+E **52001**  
 230V 16A 2P+E **52003**  
 230V 13A 2P+E **52005**  
 400V 16A 3P+N+E **95472**

Dimensions: Page 61



⚠ IP44 two CEE receptacles protected by 2 RCD's 30mA  
 110V 16A 2P+E **52007**  
 230V 16A 2P+E **52008**  
 230V 13A 2P+E **52009**

Dimensions: Page 61



⚠ IP44 three CEE receptacles protected by 1 RCD 30mA fitted c/w 2m cable and 16A plug  
 110V 16A 2P+E **52018**  
 230V 16A 2P+E **52019**

Dimensions: Page 61



⚠ IP44 two CEE receptacles protected by 1 RCD 30mA and 1 MCB  
 110V 16A 2P+E **52011**  
 230V 16A 2P+E **52013**

Dimensions: Page 61



⚠ IP44 three CEE receptacles protected by 1 RCD 30mA and 1 MCB  
 110V 16A 2P+E **52012**  
 230V 16A 2P+E **52014**

Dimensions: Page 61



⚠ IP44 two CEE receptacles protected by 1 MCB  
 110V 16A 2P+E **52020**  
 230V 16A 2P+E **52021**

Dimensions: Page 61



⚠ IP44 three CEE receptacles protected by 1 MCB  
 110V 16A 2P+E **52024**  
 230V 16A 2P+E **52025**

Dimensions: Page 61



⚠ IP44 two CEE receptacles protected by 2 MCB's  
 110V 16A 2P+E **52022**  
 230V 16A 2P+E **52023**

Dimensions: Page 61

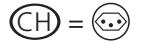
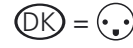
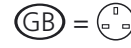
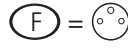


⚠ IP44 three CEE receptacles protected by 3 MCB's  
 230V 16A 2P+E **52026**

Dimensions: Page 61

# MENNEKES receptacle strips, ready wired for installation

Combinations can also be supplied with SCHUKO® type receptacles 16A, 230V, 2P+E or French/Belgian, British, Danish and Swiss standards:



⚠ IP44 three CEE receptacles with terminal strip 3 x 10mm<sup>2</sup>  
110V 16A 2P+E **96227**  
230V 16A 2P+E **96489**

Dimensions: Page 61



⚠ IP44 three CEE receptacles with terminal strip 3 x 10mm<sup>2</sup>  
24V 16A 2P **93286**  
24V 16A 3P **92890**

Dimensions: Page 61



⚠ IP44 three CEE receptacles with terminal strip 5 x 10mm<sup>2</sup>  
400V 16A 3P+E **92889**  
400V 16A 3P+N+E **96705**

Dimensions: Page 61



⚠ IP44 three SCHUKO® receptacles with terminal strip 3 x 10mm<sup>2</sup>  
230V 16A 2P+E **95996**

Dimensions: Page 61

# MENNEKES multiples, ready wired for installation



⚠ IP44 two angled receptacles wired to terminal block  
110V 16A 2P+E **52240**  
230V 16A 2P+E **52241**

Dimensions: page 60



⚠ IP44 two straight receptacles wired to terminal block  
110V 16A 2P+E **52242**  
230V 16A 2P+E **52243**  
400V 16A 3P+E **52244**  
400V 16A 3P+N+E **52245**

Dimensions: page 60

# MENNEKES multiples unwired

Supplied with PE terminal and provision for the fixing of a terminal block if required.



⚠ IP44 two angled CEE receptacles unwired  
110V 16A 2P+E **94867**  
230V 16A 2P+E **94866**

Dimensions: page 60







⚠ IP44 two straight receptacles unwired  
110V 16A 2P+E **94865**  
230V 16A 2P+E **94864**  
400V 16A 3P+E **92463**  
400V 16A 3P+N+E **96462**

Dimensions: page 60

# MENNEKES AMAPLAST enclosures

Colour: electric grey. On request with holes for cable entries

	EXTERNAL DIMENSIONS mm	INTERNAL DIMENSIONS mm		CAT. NO.	PROTECTION TYPE	PACKING	WEIGHT G/EA.	
	<b>AMAPLAST enclosure</b>							
	170x118x64	158x108x55	Box	<b>10176</b>	☹ IP67	as required	335	
			Baseplate	<b>10177</b>			50	
	170x118x96	158x108x85	Box	<b>10178</b>	☹ IP67		392	
			Baseplate	<b>10177</b>			50	
	245x161x101	230x145x85	Box	<b>10179</b>	☹ IP44		660	
		Baseplate	<b>10180</b>		80			
	<b>AMAPLAST enclosure</b>							
	245x161x151	230x145x137	Box without hinge	<b>10696</b>	☹ IP44	as required	839	
			Baseplate	<b>10180</b>			80	
	245x161x116	230x145x102	Box with hinge	<b>10757</b>	☹ IP44		725	
			Baseplate	<b>10180</b>			80	
	341x172x149	320x152x135	Box without hinge	<b>10679</b>	☹ IP44		1035	
		Base plate	<b>10182</b>		110			
	<b>AMAPLAST enclosure</b>							
	264x163x126	250x150x110	Box	<b>10183</b>	☹ IP67	as required	1138	
			Baseplate	<b>10184</b>			125	
	264x163x126	250x150x110	Box cover / base*	<b>10185</b>	☹ IP67		1138	
			Baseplate	<b>10184</b>			125	
		<b>AMAPLAST enclosure</b>						
460x180x148		406x126x131	Box	<b>10441</b>	☹ IP67		as required	2095
			Baseplate**	<b>10443</b>		410		
460x180x148		406x126x131	Box cover / base*	<b>10442</b>	☹ IP67	2095		
			Baseplate**	<b>10443</b>		410		
460x260x150		441x195x128	Box	<b>10186</b>	☹ IP67	2900		
			Baseplate	<b>10187</b>		550		
460x260x150		441x195x128	Box cover / base*	<b>10188</b>	☹ IP67	2900		
		Baseplate	<b>10187</b>		550			
460x260x228	437x194x208	Box	<b>10189</b>	☹ IP67	3450			
		Baseplate	<b>10187</b>		550			

\* Colour: Transparent / Electric grey

\*\* Metal zinced



# MENNEKES hinged windows AMAPLAST plus accessories

On demand padlockable hinged windows are available. Please contact us.

SIZE	FRAME COLOUR	WINDOW	CAT. NO.	PACKING	WEIGHT G/EA.
<b>Hinged windows with protective cover, with knurled screws ▲▲ IP67</b>					
 6 modules (17.5 mm)	Electric grey	Smoked	<b>40986</b>	as required	139
8 modules (17.5 mm)	Electric grey	Smoked	<b>40979</b>		169
12 modules (17.5 mm)	Electric grey	Smoked	<b>40981</b>		215
▲▲ IP67					
<b>Installation kit for hinged window with protective cover for fitting modules in doors and enclosure covers</b>					
 6 modules (for hinged window 40986)			<b>41431</b>	as required	99
8 modules (for hinged window 40979)			<b>41432</b>		113
12 modules (for hinged window 40981)			<b>41433</b>		141
<b>Hinged windows without protective cover, with knurled screws ▲▲ IP67</b>					
 6 modules	Electric grey	Smoked	<b>40985</b>	as required	108
8 modules	Electric grey	Smoked	<b>40978</b>		119
12 modules	Electric grey	Smoked	<b>40980</b>		158
▲▲ IP67					
<b>Hinged window with knurled screws</b>					
 2 modules without protective cover	Electric grey	Smoked	<b>40444</b>	as required	43
5 modules without protective cover <sup>1)</sup>	Electric grey	Smoked	<b>40871</b>		68
5 modules with protective cover ▲ IP44 <sup>1)</sup>	Electric grey	Smoked	<b>40243</b>		94
<sup>1)</sup> without springs to close window automatically					
▲ IP44					
<b>Locking device with padlock for padlocking of the hinged window on MENNEKES receptacle combination units with small and middle enclosure sizes.</b>					
	article number	<b>41501</b>			

# MENNEKES SCHUKO® receptacles, plugs, connectors and receptacle strips, AMAPLAST

to DIN 49440-1, 16A, 230V~, 2P+E

	COLOUR	CURRENT	VOLTAGE AC	ARTICLE. NO.	STD. PACK. QTY.	WEIGHT G/EA.
	SCHUKO® panel mounted receptacle with plug in terminals			Dimensions: page 61		
	Grey	16	230	11010	100	41
	Blue	16	230	11011	20	41
	Black	16	230	11012	100	41
	Red	16	230	11013	100	41
	Panel mounted receptacle, French/Belgian norm with plug in terminals			Dimensions: page 61		
	Grey	16	230	11110	100	41
	Panel mounted receptacle, Danish norm with plug in terminals			Dimensions: page 61		
	Grey	16	230	11200	100	41
	SCHUKO® receptacle wall mounted with plug in terminals			Dimensions: page 61		
	Grey	16	230	10081	10	86
	Blue	16	230	10082	10	86
	Black	16	230	10083	10	86
	SCHUKO® plug					
	Grey	16	230	10749	20	47
	Black	16	230	10754	20	47
	Orange	16	230	10837	20	47
	Blue	16	230	10838	20	47
	Red	16	230	10839	20	47
	Yellow	16	230	10840	20	47
	Green	16	230	10841	20	47
	SCHUKO® connector					
	Grey	16	230	10751	10	83
	Black	16	230	10755	10	83
	Orange	16	230	10842	10	83
	Blue	16	230	10843	10	83
	Red	16	230	10844	10	83
	Yellow	16	230	10845	10	83
	Green	16	230	10846	20	83
	SCHUKO® receptacle strip c/w terminal and strain relief, ready wired, supplied with hanging clip			length 331 mm, width 80 mm, height 68 mm		
	with 3 SCHUKO® receptacles	16	230V	96700	1	439
	with 4 SCHUKO® receptacles	16	230V	88678	1	503

# MENNEKES CEE plugs and receptacles for containers with high heat resistant contact carriers and nickel plated contacts

Ground contact at 3 o'clock position conforming to DIN VDE 0623, EN 60309-2. Other versions available on request.



**CURRENT**  
**POLES**  
**STD. PACK. QTY.**  
**WEIGHT G/EA.**

**400 V**  
50 a. 60 Hz

3h



▲▲ IP67 CEE wall mounted receptacle  
32 4 2644 10 396

Dimensions page 60



▲▲ IP67 CEE wall mounted receptacle switched, mechanical **DUO**-interlock  
32 4 5792A 1 1180

Dimensions page 59



▲▲ IP67 CEE wall mounted receptacle switched, mechanical **DUO**-interlock with DIN rail  
32 4 5946A 2 2070

Dimensions page 60



▲▲ IP67 CEE panel mounted receptacle  
32 4 2123A 10 293

Dimensions page 54/55



▲▲ IP67 CEE plug **AM-TOP**<sup>®</sup>  
32 4 2175A 10 313



▲▲ IP67 CEE connector **AM-TOP**<sup>®</sup>  
32 4 2177A 10 302



On site planning and consultation means that container receptacle combinations can be tailored to individual applications with regard to size and fittings.

The pictures above present only two variations of the large number of combinations available. Please do not hesitate to call us for information and advice.



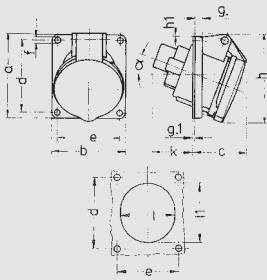
▲▲ IP67 CEE plug **PowerTOP** with cable gland and external cable grip and grommet. Contact pins sealed with gaskets.  
32 4 2600 10 324



No water ingress even after extended immersion.

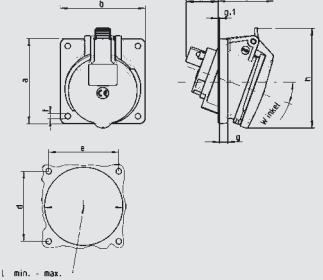
# Drawings and dimensions

Page 22 Fig. 1, Page 24 Fig. 1

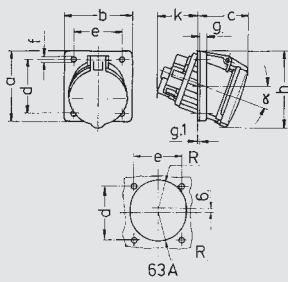


Drawing	Amp.	16			32		
		Pole			3	4	5
1 MB 260							
Dim. in mm							
a		73,5	100	100	100	100	100
b		64	92	92	92	92	92
c		52	58	58	62	62	62
d		60	85	85	85	85	85
e		52	77	77	77	77	77
f		5,3	5,3	5,3	5,3	5,3	5,3
g		7	8	8	8	8	8
g.1		2	2	2	2	2	2
h		79	105	105	107	107	112
h1		1	—	—	—	—	—
k		41	41	41	51	51	52
l		52	60	65	70	70	73
l1		60	65	72	82	82	85
α		20°	20°	20°	20°	20°	20°
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5	1,5	1,5	2,5	2,5	2,5
		-4	-4	-4	-10	-10	-10

Page 22 Fig. 6

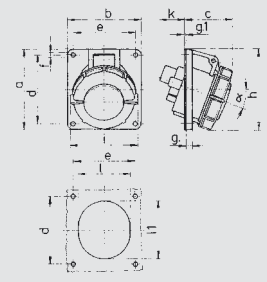


Page 22 Fig. 2

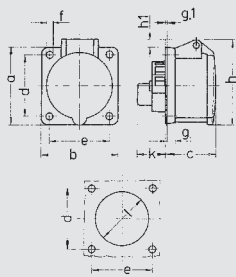


Drawing	Amp.	63		
		Pole		
1 MB 297				
Dim. in mm				
a		110	110	110
b		106	106	106
c		85	85	85
d		85	85	85
e		77	77	77
f		6,2	6,2	6,2
g		12	12	12
g.1		2	2	2
h		122	122	122
k		69	69	69
R		46	46	46
α		20°	20°	20°
Cond. cross section (mm <sup>2</sup> ) min. - max.		6	6	6
		-25	-25	-25

Page 23 Fig. 1, Page 24 Fig. 3

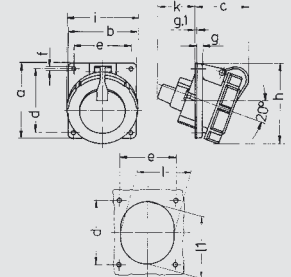


Page 22 Fig. 3, Page 24 Fig. 2

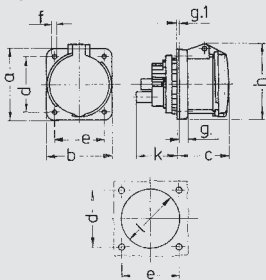


Drawing	Amp.	16			32		
		Pole			3	4	5
1 MB 247							
Dim. in mm							
a		75	75	75	75	75	75
b		75	75	75	75	75	75
c		54	54	54	64	64	64
d		60	60	60	60	60	60
e		60	60	60	60	60	60
f		5,5	5,5	5,5	5,5	5,5	5,5
g		8	8	8	8	8	8
g.1		2	2	2	2	2	2
h		68	77	85	89	89	95
h1		1	5	9	12	12	12
k		28	28	28	32	32	32
l		50	54	57	62	62	65
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5	1,5	1,5	2,5	2,5	2,5
		-4	-4	-4	-10	-10	-10

Page 23 Fig. 2

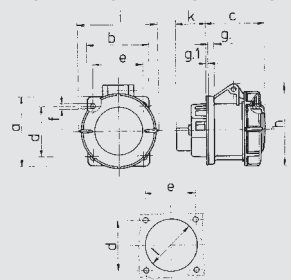


Page 22 Fig. 4

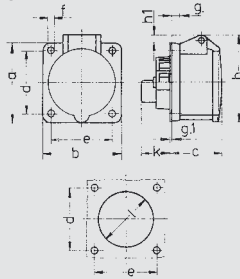


Drawing	Amp.	63		
		Pole		
1 MB 211				
Dim. in mm				
a		107	107	107
b		100	100	100
c		80	80	80
d		85	85	85
e		77	77	77
f		6	6	6
g		12	12	12
g.1		2	2	2
h		113	113	113
k		55	55	55
l		88	88	88
Cond. cross section (mm <sup>2</sup> ) min. - max.		6	6	6
		-25	-25	-25

Page 23 Fig. 3, Page 24 Fig. 4, Page 53 Fig. 4

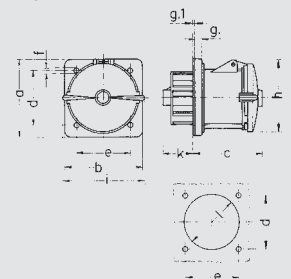


Page 22 Fig. 5a

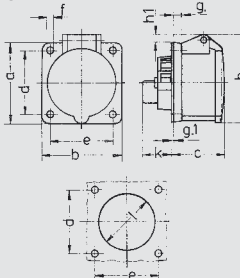


Drawing	Amp.	16			Mini flange socket
		Pole			
1 MB 426					
Dim. in mm					
a		55			
b		55			
c		54			
d		45			
e		45			
f		5,5			
g		8			
g.1		2			
h		70			
h1		12			
k		28			
l		47			
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5			
		-4			

Page 23 Fig. 4

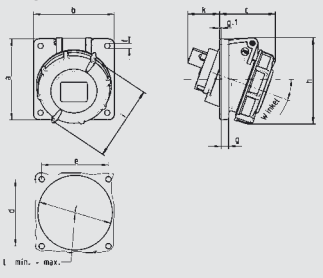


Page 22 Fig. 5b+c



Drawing	Amp.	16			different flange dimensions
		Pole			
1 MB 259					
Dim. in mm					
a		62	72	72	
b		62	65	65	
c		54	54	54	
d		47	52	52	
e		47	52	52	
f		5,5	5,5	5,5	
g		8	8	8	
g.1		2	2	2	
h		68	77	85	
h1		7	7	11	
k		28	28	28	
l		50	52	57	
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5	1,5	1,5	
		-4	-4	-4	

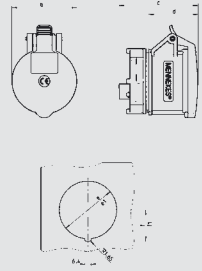
Page 23 Fig. 5





Drawing	Pole	Amp.			16		
		3	4	5	3	4	5
1 MB 453							
Dim.in mm	a	85	85	85	85	85	85
	b	85	85	85	85	85	85
	c	53	57	57	67	67	67
	d	70	70	70	70	70	70
	e	70	70	70	70	70	70
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	8	8	8	8	8	8
	g.1	1,5	1,5	1,5	2	2	2
	h	89	96	100	110	110	110
	k	39	34	33	39	39	39
	l min.	57	64	70	78	78	78
	l max.	76	76	76	78	78	78
Cond. cross section (mm²) min. - max.		1,5 1,5 1,5			2,5 2,5 2,5		

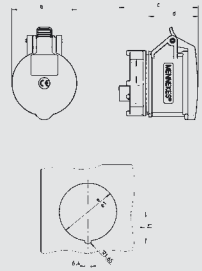
Page 24 Fig. 5, page 25 Fig. 5



Drawing	Pole	16			Amp.		
		3	4	5	3	4	5
1 MB 455							
Dim. in mm	a	84	92	98			
	b	57	66	69			
	c	84	86,5	84			
	d	55	57,5	55			
	e	Ø61	Ø61	Ø61			
	f	33,25	33,25	33,25			
	e1	—	—	—			
	f1	—	—	—			
Cond. cross section (mm²) min. - max.		1,5 1,5 1,5			—4 —4 —4		

Drawing	Pole	16			32		
		3	4	5	3	4	5
1 MB 251							
Dim. in mm	a	73,5	100	100	100	100	100
	b	64	92	92	92	92	92
	c	52	59	62	64	64	66
	d	60	85	85	85	85	85
	e	52	77	77	77	77	77
	f	5,3	5,3	5,3	5,3	5,3	5,3
	g	7	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	84	103	105	109	109	113
	i	78	85	96	103	103	110
	k	41	41	41	51	51	52
	l	52	60	65	70	70	73
	l1	60	65	72	82	82	85
	α	20°	20°	20°	20°	20°	20°
Cond. cross section (mm²) min. - max.		1,5 1,5 1,5			2,5 2,5 2,5		

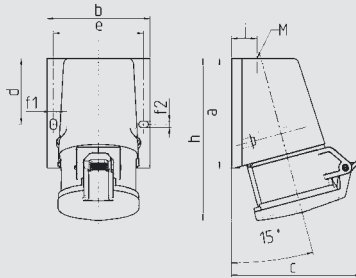
Page 24 Fig. 6, page 25 Fig. 6



Drawing	Pole	32			Amp.			16		
		4	5	3	4	5	3	4	5	
1 MB 455										
Dim. in mm	a	92	98	94	94	108				
	b	66	69	75	75	80				
	c	86,5	84	105	105	105				
	d	57,5	55	65	65	65				
	e	—	—	—	—	—				
	f	—	—	—	—	—				
	e1	Ø70	Ø70	Ø70	Ø70	Ø70				
	f1	37,75	37,75	37,75	37,75	37,75				
Cond. cross section (mm²) min. - max.		1,5 1,5			2,5 2,5					

Drawing	Pole	63			125		
		3	4	5	3	4	5
1 MB 298							
1 MB 339							
Dim. in mm	a	110	110	110	114	114	114
	b	106	106	106	110	110	110
	c	85	85	85	85	85	85
	d	85	85	85	90	90	90
	e	77	77	77	90	90	90
	f	6,2	6,2	6,2	6,2	6,2	6,2
	g	12	12	12	13	13	13
	g.1	2	2	2	2	2	2
	h	125	125	125	135	135	135
	i	117	117	117	135	135	135
	k	69	69	69	103	103	103
	R	46	46	46	47	47	47
	α	20°	20°	20°	15°	15°	15°
Cond. cross section (mm²) min. - max.		6 6 6			25 25 25		

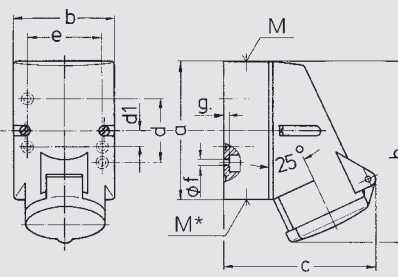
Page 25 Fig. 1



Drawing	Pole	16		
		3	4	5
1 MB 463				
Dim. in mm	a	92,5		
	b	87		
	c	110		
	d	55,5		
	e	76		
	f1	5,3		
	f2	5,3		
	h	136,5		
	i	21,5		
	M	M25		
Max. cable dia. (mm)		18		
Cond. cross section (mm²) min. - max.		1,5		

Drawing	Pole	16			32		
		3	4	5	3	4	5
1 MB 141							
Dim. in mm	a	75	75	75	85	85	85
	b	75	75	75	75	75	75
	c	60	61	61	70	70	72
	d	60	60	60	60	60	60
	e	60	60	60	60	60	60
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	8	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	83	88	95	99	99	105
	i	78	85	96	103	103	110
	k	26	27	27	34	34	34
	l	50	54	57	62	62	65
Cond. cross section (mm²) min. - max.		1,5 1,5 1,5			2,5 2,5 2,5		

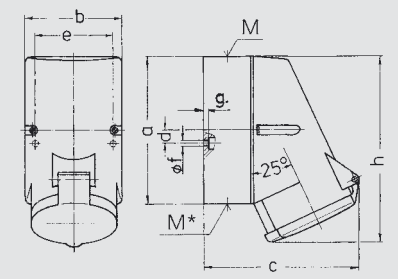
Page 25 Fig. 2, Page 26 Fig. 2



Drawing	Pole	16		
		3	4	5
1 MB 209				
Dim. in mm	a	87	100	100
	b	64	75	75
	c	99	110	113
	d	—	—	—
	d1	—	11	11
	e	50	59	59
	f	4,5	5	5
	g	4	4	4
	h	115	125	128
	M	20	20	20
	M*	for M20 (blind) to be cut out		
Max. cable dia. (mm)		13	13	13
Cond. cross section (mm²) min. - max.		1,5 1,5 1,5		

Drawing	Pole	63			125		
		3	4	5	3	4	5
1 MB 212							
1 MB 258							
Dim. in mm	a	107	107	107	130	130	130
	b	100	100	100	130	130	130
	c	84	84	84	124	124	124
	d	85	85	85	104	104	104
	e	77	77	77	104	104	104
	f	6,5	6,5	6,5	6,5	6,5	6,5
	g	12	12	12	18	18	18
	g.1	2	2	2	2	2	2
	h	113	113	113	122	122	122
	i	118	118	118	135	135	135
	k	55	55	55	43	43	43
	l	88	88	88	95	95	95
Cond. cross section (mm²) min. - max.		6 6 6			25 25 25		

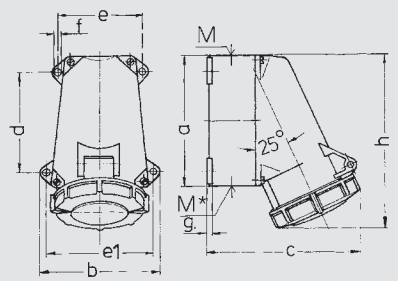
Page 25 Fig. 3, Page 26 Fig. 3



Drawing	Pole	16			32		
		4	5	3	4	5	
1 MB 43							
Dim. in mm	a	128	128	128	128	128	
	b	84	84	84	84	84	
	c	122	124	136	136	138	
	d	11	11	11	11	11	
	e	68	68	68	68	68	
	f	5,3	5,3	5,3	5,3	5,3	
	g	4	4	4	4	4	
	h	145	145	158	158	160	
	M	25	25	32	32	32	
	M*	for 2x M 25 (blind) to be cut out			for 2x M 25 (blind) to be cut out		
Max. cable dia. (mm)		18	18	18/25	18/25	18/25	
Cond. cross section (mm²) min. - max.		1,5 1,5		2,5 2,5			

Drawing	Pole	16			32		
		3	4	5	3	4	5
1 MB 452							
Dim. in mm	a	85	85	85	85	85	85
	b	85	85	85	85	85	85
	c	57	59	60	72	72	72
	d	70	70	70	70	70	70
	e	70	70	70	70	70	70
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	8	8	8	8	8	8
	g.1	1,5	1,5	1,5	2	2	2
	h	87	91	99	107	107	107
	i	75	81	86,5	102	102	102
	k	39	34	33	40	40	40
	l min.	57	64	70	78	78	78
	l max.	76	76	76	78	78	78
Cond. cross section (mm²) min. - max.		1,5 1,5 1,5			2,5 2,5 2,5		

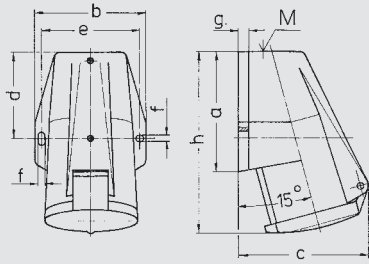
Page 25 Fig. 4, Page 26 Fig. 5



Drawing	Pole	16			32		
		3	4	5	3	4	5
1 MB 219							
Dim. in mm	a	95	95	95	120	120	
	b	102	102	102	112	112	
	c	—	—	—	—	—	
	d	64,2	64,2	64,2	90,2	90,2	
	e	77,5	77,5	77,5	—	—	
	e1						

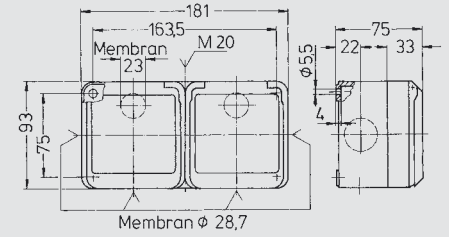
# Drawings and dimensions

Page 26 Fig. 1

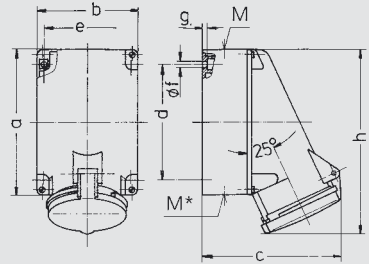


Drawing	Amp.	16			32		
		Pole			3	4	5
1 MB 205							
Dim. in mm	a	91	91	91	102	102	102
	b	73	79	87	89	89	94
	c	86	93	99	108	108	114
	d	55	55	56,4	62	62	62
	e	62	68	76	77,5	77,5	84
	f	5,3	5,3	5,3	5,3	5,3	5,3
	g	8	8	9	10	10	10
	h	132	132	132	153	153	153
	M	20	25	25	25	25	32
Max. cable dia. (mm)		13	18	18	18	18	25
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 - 4	1,5 - 4	1,5 - 4	2,5 - 10	2,5 - 10	2,5 - 10

Page 27 Fig. 3

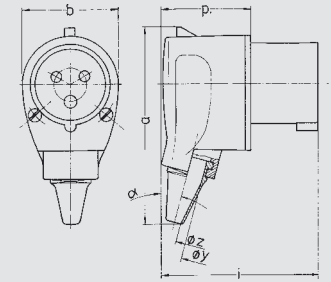


Page 26 Fig. 4

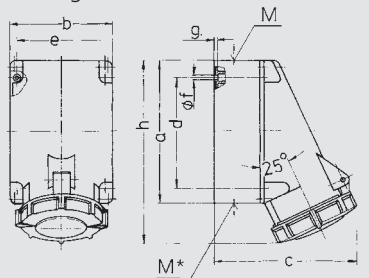


Drawing	Amp.	63		
		Pole		
1 MB 213				
Dim. in mm	a	170	170	170
	b	118	118	118
	c	164	164	164
	d	134,5	134,5	134,5
	e	103	103	103
	f	6,1	6,1	6,1
	g	6	6	6
	h	216	216	216
	M	40	40	40
	M*	for 2x M 40 (blind) to be cut out		
Max. cable dia. (mm)		32	32	32
Cond. cross section (mm <sup>2</sup> ) min. - max.		6 - 25	6 - 25	6 - 25

Page 27 Fig. 6a

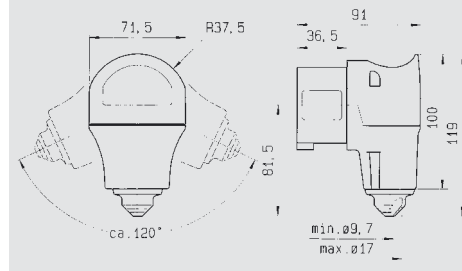


Page 26 Fig. 6a

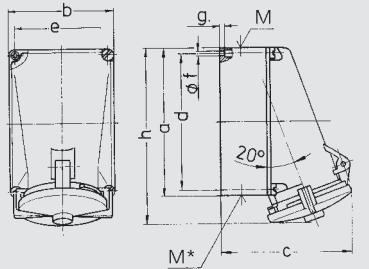


Drawing	Amp.	63		
		Pole		
1 MB 112				
Dim. in mm	a	170	170	170
	b	118	118	118
	c	171	171	171
	d	134,5	134,5	134,5
	e	103	103	103
	f	6,1	6,1	6,1
	g	6	6	6
	h	216	216	216
	M	40	40	40
	M*	for 2x M40 (blind) to be cut out		
Max. cable dia. (mm)		32	32	32
Cond. cross section (mm <sup>2</sup> ) min. - max.		6 - 25	6 - 25	6 - 25

Page 27 Fig. 6b

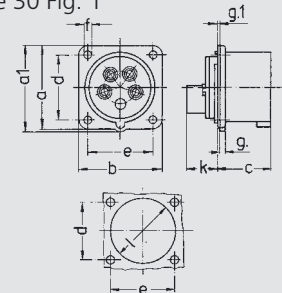


Page 26 Fig. 6b

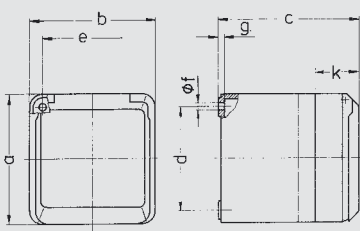


Drawing	Amp.	125	
		Pole	
1 MB 162 1 MB 163			
Dim. in mm	a	264	264
	b	163	163
	c	203	203
	d	240	240
	e	140	140
	f	8,1	8,1
	g	8	8
	h	313	313
	M	50	50
	M*	for 2x M50 (blind) to be cut out	
Max. cable dia. (mm)		38	38
Cond. cross section (mm <sup>2</sup> ) min. - max.		25 - 35	25 - 35

Page 30 Fig. 1

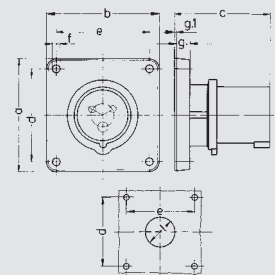


Page 27 Fig. 1

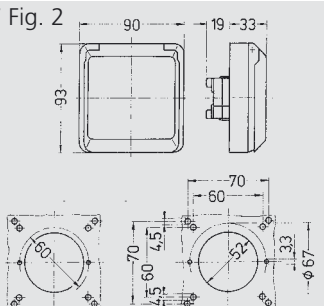


Drawing	Amp.	16			32		
		Pole			3	4	5
1 MB 312							
Dim. in mm	a	93	93	93	93	93	93
	b	90	90	90	90	90	90
	c	87	87	87	99	99	99
	d	75	75	75	75	75	75
	e	73	73	73	73	73	73
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	4,2	4,2	4,2	4,2	4,2	4,2
	k	33	33	33	33	33	33
Max. cable dia. (mm)		18	18	18	18	18	18
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 - 4	1,5 - 4	1,5 - 4	2,5 - 6	2,5 - 6	2,5 - 6

Page 30 Fig. 3

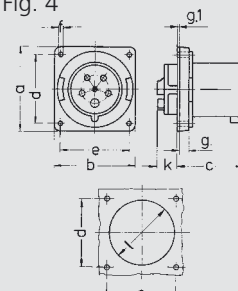


Page 27 Fig. 2



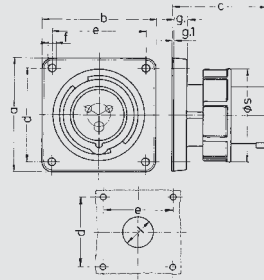
Drawing	Amp.	16			32		
1 MB 304							
Dim. in mm							
Fixing possibilities							

Page 30 Fig. 4



Drawing	Amp.	16		
		Pole		
1 MB 350		3	4	5
Dim. in mm				
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 -4	1,5 -4	1,5 -4

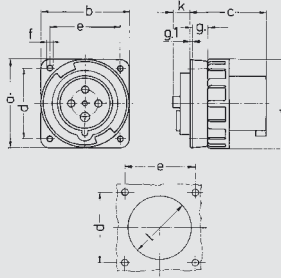
Page 30 Fig. 5



Drawing	Amp.	16			32		
		Pole			Pole		
2 MB 187/2		3	4	5	3	4	5
Dim. in mm							
a		85,7	85,7	85,7	85,7	85,7	85,7
b		85,7	85,7	85,7	85,7	85,7	85,7
c		72	72	72	90	90	90
d		69,5	69,5	69,5	69,5	69,5	69,5
e		69,5	69,5	69,5	69,5	69,5	69,5
f		5,5	5,5	5,5	5,5	5,5	5,5
g		11	11	11	11	11	11
g.1		2	2	2	2	2	2
l		32	36	47	47	47	47
s		71	79	89	94	94	102
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 -4	1,5 -4	1,5 -4	2,5 -10	2,5 -10	2,5 -10

Drawing	Amp.	16			32		
		Pole			Pole		
2 MB 69		3	4	5	3	4	5
2 MB 45							
Dim. in mm							
a		107	129		96	96	101
b		53	58		72	72	72
h		—	—		—	—	115
i		85	71		115	115	—
o		—	—		—	—	70
p		49	35		70	70	—
y		17,5	17,5		22	22	22
α		15°	—		8°	8°	—
Cond. cross section (mm <sup>2</sup> ) min. - max.		1 -2,5	1 -2,5		2,5 -6	2,5 -6	2,5 -6

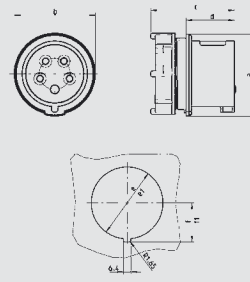
Page 30 Fig. 6



Drawing	Amp.	63			125		
		Pole			Pole		
2 MB 166		3	4	5	3	4	5
Dim. in mm							
a		110	110	110	130	130	130
b		106	106	106	130	130	130
c		86	86	86	112	112	112
d		90	90	90	104	104	104
e		90	90	90	104	104	104
f		5,5	5,5	5,5	6,5	6,5	6,5
g		11	11	11	18	18	18
g.1		2	2	2	2	2	2
k		28	28	28	28	28	28
l		73	73	73	95	95	95
s		113	113	113	132	132	132
Cond. cross section (mm <sup>2</sup> ) min. - max.		6 -16	6 -16	6 -16	25 -70	25 -70	25 -70

Drawing 2 MB 208		16			32		
Dim. in mm		Pole			Pole		
		3	4	5	3	4	5
a		66			72		
a1		69			78		
b		66			72		
c		43			52		
d		52			60		
e		52			60		
f		4,5			4,5		
g		4,5			4,5		
g.1		2			2		
k		27			32		
l		59			63		
Cond. cross section (mm <sup>2</sup> ) min. - max.		1 -2,5			2,5 -6		

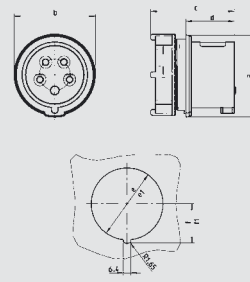
Page 31 Fig. 1



Drawing	Amp.	16		
		Pole		
2 MB 216		3	4	5
Dim. in mm				
a		70	70	70
b		69	69	69
c		max. 72	max. 72	max. 72
d		44	44	44
e		Ø61	Ø61	Ø61
f		33,25	33,25	33,25
e1		—	—	—
f1		—	—	—
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 -4	1,5 -4	1,5 -4

Drawing	Amp.	16			32		
		Pole			Pole		
2 MB 68		5			5		
Dim. in mm							
a		66			72		
a1		69			78		
b		66			72		
c		43			52		
d		52			60		
e		52			60		
f		4,5			4,5		
g		4,5			4,5		
g.1		2			2		
k		27			32		
l		59			63		
Cond. cross section (mm <sup>2</sup> ) min. - max.		1 -2,5			2,5 -6		

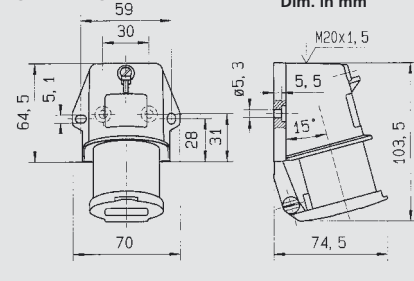
Page 31 Fig. 2, Page 33 Fig. 6



Drawing	Amp.	32			16		
		Pole			Pole		
2 MB 216		4	5		3	4	5
Dim. in mm							
a		70	70		82	82	82
b		69	69		82	82	82
c		max. 72	max. 72		84	84	84
d		44	44		50	50	50
e		—	—		—	—	—
f		—	—		—	—	—
e1		Ø70	Ø70		Ø70	Ø70	Ø70
f1		37,75	37,75		37,75	37,75	37,75
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 -4	1,5 -4		2,5 -10	2,5 -10	2,5 -10

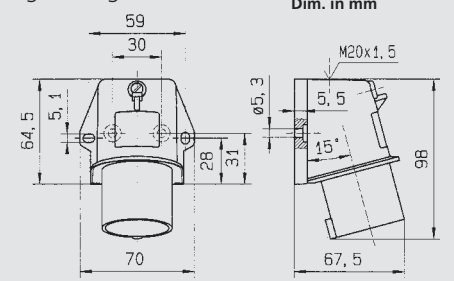
Drawing	Amp.	16			32		
		Pole			Pole		
2 MB 173/2		3	4	5	3	4	5
Dim. in mm							
a		85,7	85,7	85,7	85,7	85,7	85,7
b		85,7	85,7	85,7	85,7	85,7	85,7
c		72	72	72	90	90	90
d		69,5	69,5	69,5	69,5	69,5	69,5
e		69,5	69,5	69,5	69,5	69,5	69,5
f		5,5	5,5	5,5	5,5	5,5	5,5
g		11	11	11	11	11	11
g.1		2	2	2	2	2	2
l		32	36	36	47	47	47
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 -4	1,5 -4	1,5 -4	2,5 -10	2,5 -10	2,5 -10

Page 31 Fig. 3a



Drawing 2 MB 212  
Dim. in mm

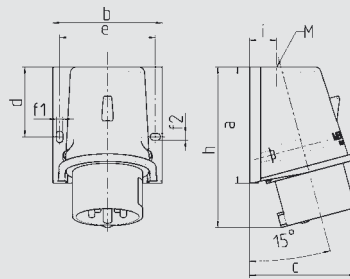
Page 31 Fig. 3b



Drawing 2 MB 213  
Dim. in mm

Drawing	Amp.	63		
		Pole		
2 MB 155		3	4	5
Dim. in mm				
a		110	110	110
b		106	106	106
c		85	85	85
d		90	90	90
e		90	90	90
f		5,5	5,5	5,5
g		12	12	12
g.1		2	2	2
k		28	28	28
l		86	86	86
Cond. cross section (mm <sup>2</sup> ) min. - max.		6 -16	6 -16	6 -16

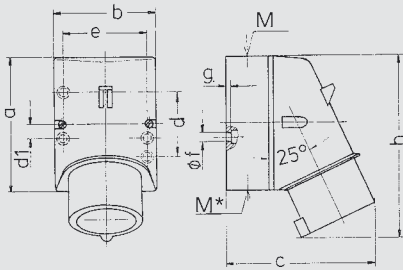
Page 31 Fig. 4, Page 34 Fig. 1



Drawing	Amp.	16	
		Pole	
2 MB 221		4	5
Dim. in mm			
a		92,5	92,5
b		87	87
c		84,5	84,5
d		55,5	55,5
e		76	76
f1		5,3	5,3
f2		5,3	5,3
h		128	128
i		21,5	21,5
M		25	25

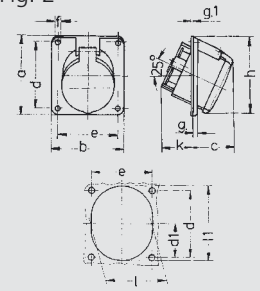
# Drawings and dimensions

Page 32 Fig. 1, Page 34 Fig. 2

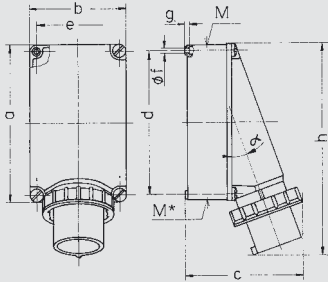


Drawing	Amp.	16			32		
		Pole			3	4	5
2 MB 32							
Dim. in mm	a	87	100	100	128	128	128
	b	64	75	75	84	84	84
	c	93	106	110	128	128	130
	d	40	—	—	—	—	—
	d1	—	10,5	10,5	11	11	11
	e	50,5	59	59	68	68	68
	f	4,5	5	5	5,3	5,3	5,3
	g	4	4	4	4	4	4
	h	122	133	135	169	169	170
	M	20	25	25	32	32	32
	M*	(blind)			for M 32 (blind)		
		to be cut out			to be cut out		
Max. cable dia. (mm)		13	18	18	25	25	25
Cond. cross section (mm <sup>2</sup> ) min. - max.		1	1	1	2,5	2,5	2,5
		-2,5	-2,5	-2,5	-6	-6	-6

Page 37 Fig. 2

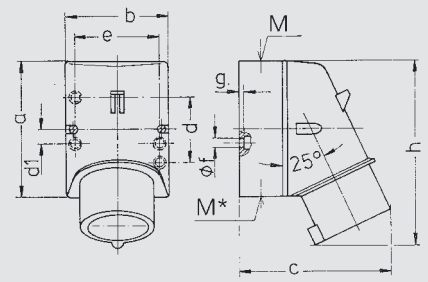


Page 32 Fig. 2

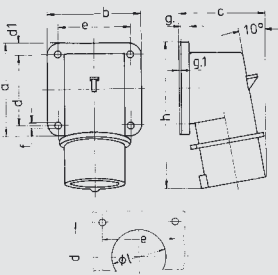


Drawing	Amp.	63			125	
		Pole			4	5
2 MB 36						
Dim. in mm	a	170	170	170	264	264
	b	118	118	118	163	163
	c	171	171	171	205	205
	d	136	136	136	240	240
	e	104	104	104	140	140
	f	6,1	6,1	6,1	8,1	8,1
	g	6	6	6	8	8
	h	250	250	250	355	355
	M	40	40	40	50	50
	M*	2x40	2x40	2x40	50	50
	α	25°	25°	25°	20°	20°
Max. cable dia. (mm)		32	32	32	38	38
Cond. cross section (mm <sup>2</sup> ) min. - max.		4	4	4	16	16
		-10	-10	-10	-35	-35

Page 37 Fig. 4

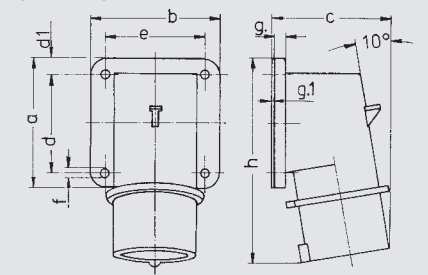


Page 32 Fig. 3, Page 34 Fig. 3

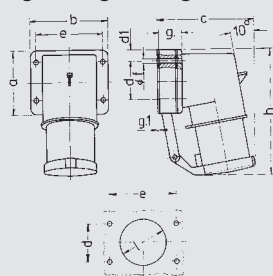


Drawing	Amp.	16		32		
		Pole		3	4	5
2 MB 73						
Dim. in mm	a	85	85	75	75	75
	b	85	85	90	90	90
	c	75	79	87	87	90
	d	64	64	45	45	45
	d1	10	10	13	13	13
	e	64	64	78	78	78
	f	5,5	5,5	5,5	5,5	5,5
	g	6	6	6	6	6
	g.1	2	2	2	2	2
	h	129	129	137	137	138
	l	50	50	55	55	55
Cond. cross section (mm <sup>2</sup> ) min. - max.		1	1	2,5	2,5	2,5
		-2,5	-2,5	-6	-6	-6

Page 37 Fig. 5

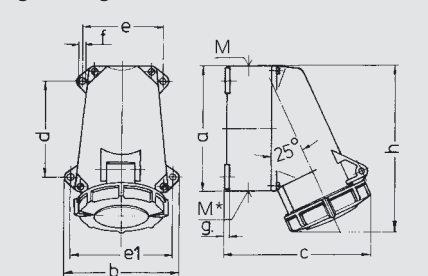


Page 32 Fig. 4, Page 34 Fig. 4

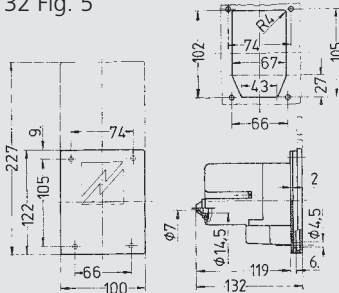


Drawing	Amp.	16		32		
		Pole		3	4	5
2 MB 43						
Dim. in mm	a	85	85	75	75	75
	b	85	85	90	90	90
	c	104	106	115	115	117
	d	64	64	45	45	45
	d1	10	10	13	13	13
	e	64	64	78	78	78
	f	5,5	5,5	5,5	5,5	5,5
	g	27	27	27	27	27
	g.1	2	2	2	2	2
	h	140	140	150	150	150
	l	50	50	55	55	55
Cond. cross section (mm <sup>2</sup> ) min. - max.		1	1	2,5	2,5	2,5
		-2,5	-2,5	-6	-6	-6

Page 38 Fig. 1

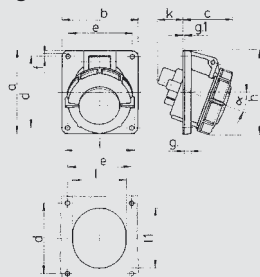


Page 32 Fig. 5

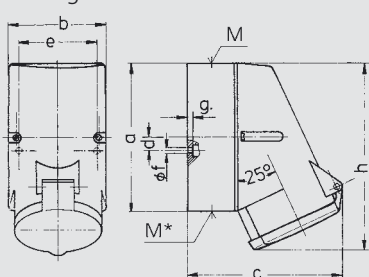


Drawing	Amp.	16		32	
212-Z					
Dim. in mm					
	a	102	105	105	105
	b	74	67	67	67
	c	66	66	66	66
	d	27	27	27	27
	e	97	97	97	97
	f	119	119	119	119
	g	14,5	14,5	14,5	14,5
	h	132	132	132	132
	M	2	2	2	2
	M*	1	1	1	1
Max. cable dia. (mm)		1,5	1,5	1,5	1,5
Cond. cross section (mm <sup>2</sup> ) min. - max.		-4	-4	-4	-4

Page 38 Fig. 2

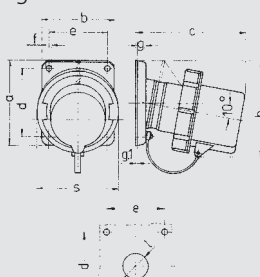


Page 37 Fig. 1



Drawing	Amp.	16		32	
		Pole		7	7
1 MB 257					
Dim. in mm	a	128	128	128	128
	b	84	84	84	84
	c	119	119	133	133
	d	11	11	11	11
	e	68	68	68	68
	f	5,3	5,3	5,3	5,3
	g	4	4	4	4
	h	145	145	160	160
	M	32	32	32	32
	M*	for 2x32 (blind)		for 2x32 (blind)	
		to be cut out		to be cut out	
Max. cable dia. (mm)		25		25	
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5		2,5	
		-4		-10	

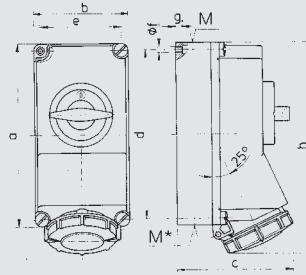
Page 38 Fig. 4





Drawing	Amp.	16	32
1 MB 256	Pole	7	7
Dim. in mm	a	100	100
	b	92	92
	c	48	51
	d	85	85
	d1	42,5	45,5
	e	77	77
	f	5,1	5,1
	g	6	6
	g.1	2	2
	h	100	102
	k	39	58
	l	78	78
	l1	78	87
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 - 4	2,5 - 10

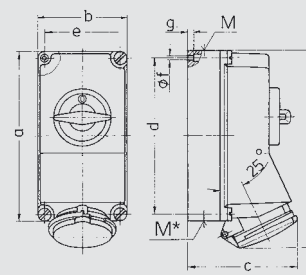
Page 38 Fig. 6



Drawing	Amp.	16	32
1 MB 382	Pole	7	7
Dim. in mm	a	225	225
	b	118	118
	c	147	153
	d	208	208
	e	101	101
	f	6,3	6,3
	g	8	8
	h	259	274
	M	2x32	2x32
	M*	2x25	2x25
Max. cable dia. (mm)		25	25
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 - 4	2,5 - 10

Drawing	Amp.	16	32
2 MB 147	Pole	7	7
Dim. in mm	a	100	128
	b	75	84
	c	110	130
	d	—	—
	d1	10,5	11
	e	59	68
	f	5	5,3
	g	4	4
	h	135	170
	M	25	32
	M*	for M 25 (blind) to be cut out	for M 32 (blind) to be cut out
Max. cable dia. (mm)		18	25
Cond. cross section (mm <sup>2</sup> ) min. - max.		1 - 2,5	2,5 - 4

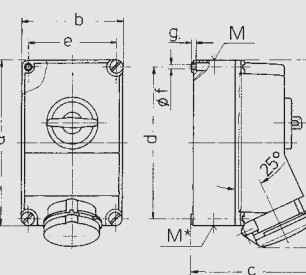
Page 39 Fig. 1



Drawing	Amp.	16	32
1 MB 174	Pole	3 4 5	3 4 5
Dim. in mm	a	225 225 225	225 225 225
	b	118 118 118	118 118 118
	c	141 141 141	146 146 146
	d	208 208 208	208 208 208
	e	101 101 101	101 101 101
	f	6,3 6,3 6,3	6,3 6,3 6,3
	g	8 8 8	8 8 8
	h	250 252 254	264 264 264
	M	2x32 2x32 2x32	2x32 2x32 2x32
	M*	2x25 2x25 2x25	2x25 2x25 2x25
Max. cable dia. (mm)		25 25 25	25 25 25
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 1,5 1,5	2,5 2,5 2,5
		-4 -4 -4	-10 -10 -10

Drawing	Amp.	16	32
2 MB 71	Pole	7	7
Dim. in mm	a	85	75
	b	85	90
	c	79	90
	d	64	45
	d1	10	13
	e	64	78
	f	5,5	5,5
	g	6	6
	g.1	2	2
	h	129	138
Cond. cross section (mm <sup>2</sup> ) min. - max.		1 - 2,5	2,5 - 6

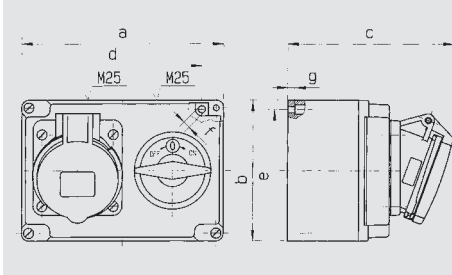
Page 39 Fig. 2



Drawing	Amp.	63
1 MB 234	Pole	3 4 5
Dim. in mm	a	264 264 264
	b	163 163 163
	c	192 192 192
	d	240 240 240
	e	140 140 140
	f	8,1 8,1 8,1
	g	8 8 8
	h	300 300 300
	M	40 40 40
	M*	2x40 2x40 2x40
Max. cable dia. (mm)		32 32 32
Cond. cross section (mm <sup>2</sup> ) min. - max.		6 6 6
		-25 -25 -25

Drawing	Amp.	16	32
1 MB 406	Pole	7	7
Dim. in mm	a	95	120
	b	102	112
	c	129	150
	d	64,2	90,2
	e	77,5	79
	e1	88	98,5
	f	5,5	5,5
	g	5	5
	h	132	160
	M	25	32
	M*	for M 25 (blind) to be cut out	for M 32 (blind) to be cut out
Max. cable dia. (mm)		18	25
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 - 4	2,5 - 10

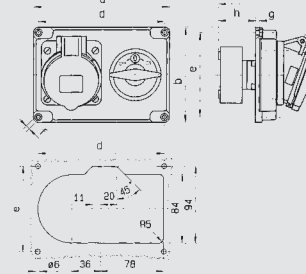
Page 39 Fig. 3, page 45 Fig. 1 + 1a



Drawing	Amp.	16
1 MB 398	Pole	3 4 5
Dim. in mm	a	170 170 170
	b	118 118 118
	c	134 141 137
	d	136 136 136
	e	104 104 104
	f	6,1 6,1 6,1
	g	6 6 6
	M	25 25 25
Max. cable dia. (mm)		18 18 18
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 1,5 1,5
		-4 -4 -4

Drawing	Amp.	16	32
1 MB 405	Pole	7	7
Dim. in mm	a	100	100
	b	92	92
	c	62	66
	d	85	85
	e	77	77
	f	5,3	5,3
	g	8	8
	g.1	2	2
	h	105	113
	i	96	110
	k	41	52
	l	65	73
	l1	72	85
	α	20°	20°
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 - 4	2,5 - 10

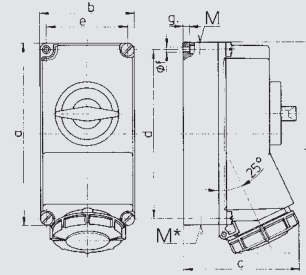
Page 39 Fig. 4



Drawing	Amp.	16
1 MB 397	Pole	3 4 5
Dim. in mm	a	170 170 170
	b	118 118 118
	c	120 125 127
	d	158 158 158
	e	105 105 105
	f	9 9 9
	g	9 9 9
	h	5 5 5
	h	47 47 47
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 1,5 1,5
		-4 -4 -4

Drawing	Amp.	16	32
2 MB 203	Pole	7	7
Dim. in mm	a	85	85
	b	85	85
	c	132	137
	d	70	70
	e	70	70
	f	6,3	6,3
	g	11	11
	g.1	2	2
	h	107	111
	s	86	102
	t	30	30
Cond. cross section (mm <sup>2</sup> ) min. - max.		1 - 2,5	2,5 - 6

Page 39 Fig. 5, Page 41 Fig. 3, Page 53 Fig. 2

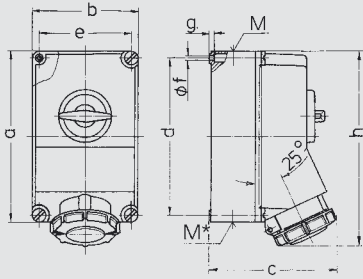


Drawing	Amp.	16	32
1 MB 207	Pole	3 4 5	3 4 5
Dim. in mm	a	225 225 225	225 225 225
	b	118 118 118	118 118 118
	c	144 146 147	152 152 153
	d	208 208 208	208 208 208
	e	101 101 101	101 101 101
	f	6,3 6,3 6,3	6,3 6,3 6,3
	g	8 8 8	8 8 8
	h	252 255 259	268 268 274
	M	2x32 2x32 2x32	2x32 2x32 2x32
	M*	2x25 2x25 2x25	2x25 2x25 2x25
Max. cable dia. (mm)		25 25 25	25 25 25
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 1,5 1,5	2,5 2,5 2,5
		-4 -4 -4	-10 -10 -10

The sizes for the entries on the drawings can be different to the real existing entry sizes. Deviations are described on the relevant product pages. Subject to modification and amendments without prior notice. Errors and omissions excepted.

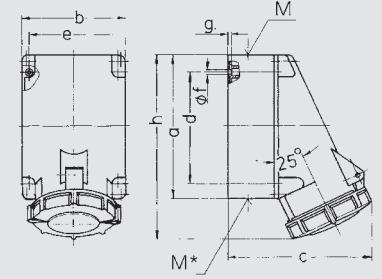
# Drawings and dimensions

Page 39 Fig. 6, Page 41 Fig. 4

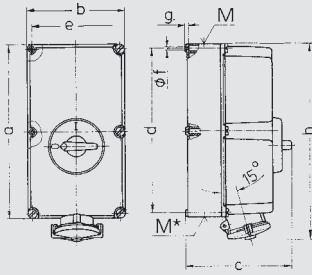


Drawing	Amp.	63		
1 MB 180	Pole	3	4	5
Dim. in mm	a	264	264	264
	b	163	163	163
	c	196	196	196
	d	240	240	240
	e	140	140	140
	f	8,1	8,1	8,1
	g	8	8	8
	h	300	300	300
	M	40	40	40
	M*	2x40	2x40	2x40
Max. cable dia. (mm)		32	32	32
Cond. cross section (mm <sup>2</sup> ) min. - max.		6 - 25	6 - 25	6 - 25

Page 41 Fig. 2

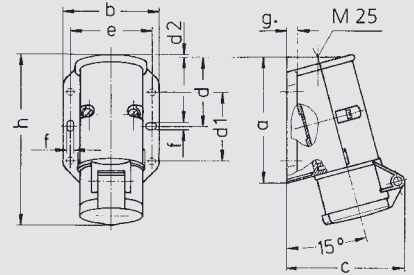


Page 40 Fig. 1 + 6 + 6a, Page 47 Fig. 4 + 4a

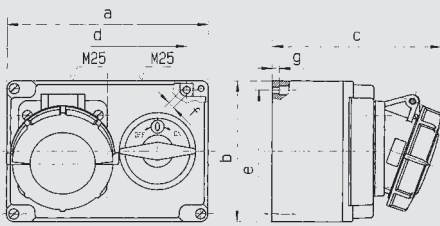


Drawing	Amp.	125	
1 MB 177	Pole	4	5
Dim. in mm	a	460	460
	b	260	260
	c	283	283
	d	434	434
	e	234	234
	f	11	11
	g	9	9
	h	525	525
	M	63	63
	M*	2x63	2x63
Max. cable dia. (mm)		44	44
Cond. cross section (mm <sup>2</sup> ) min. - max.		25 - 70	25 - 70

Page 42 Fig. 1

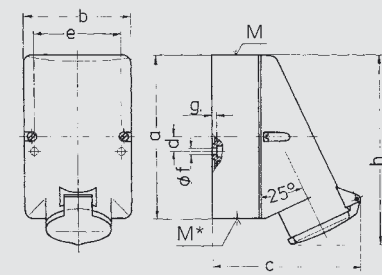


Page 40 Fig. 2  
Page 49 Fig. 3 + 3a + 4 + 4a

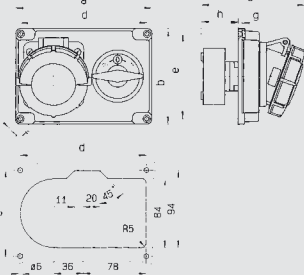


Drawing	Amp.	16		
1 MB 396	Pole	3	4	5
Dim. in mm	a	170	170	170
	b	118	118	118
	c	136	139	143
	d	136	136	136
	e	104	104	104
	f	6,1	6,1	6,1
	g	6	6	6
	M	25	25	25
Max. cable dia. (mm)		18	18	18
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 - 4	1,5 - 4	1,5 - 4

Page 42 Fig. 2

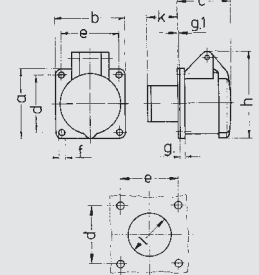


Page 40 Fig. 3

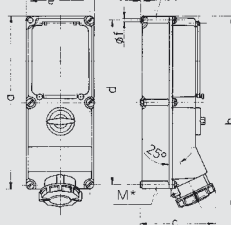


Drawing	Amp.	16		
1 MB 395	Pole	3	4	5
Dim. in mm	a	170	170	170
	b	118	118	118
	c	136	139	143
	d	136	136	136
	e	104	104	104
	f	6,1	6,1	6,1
	g	6	6	6
	M	25	25	25
Max. cable dia. (mm)		18	18	18
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 - 4	1,5 - 4	1,5 - 4

Page 42 Fig. 3

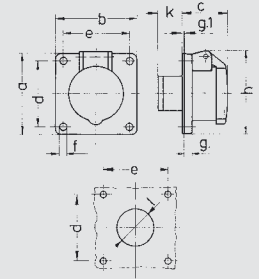


Page 40 Fig. 4 - 5a  
Page 47 Fig. 2 - 3a  
Page 53 Fig. 3

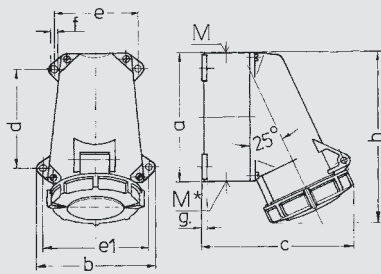


Drawing	Amp.	16			32		63	
1 MB 181	Pole	3	4	5	4	5	4	5
Dim. in mm	a	364	364	364	364	364	460	460
	b	134	134	134	134	134	180	180
	c	160	162	163	168	168	209	209
	d	347	347	347	347	347	440	440
	e	117	117	117	117	117	160	160
	f	6,3	6,3	6,3	6,3	6,3	8,1	8,1
	g	8	8	8	8	8	8	8
	h	391	395	398	408	411	525	525
	M	32/40	32/40	32/40	32/40	32/40	40	40
	M*	2x32	2x32	2x32	2x32	2x32	2x40	2x40
Max. cable dia. (mm)		27	27	27	27	27	27	27
Cond. cross section (mm <sup>2</sup> ) min. - max.		1,5 - 4	1,5 - 4	1,5 - 4	2,5 - 10	2,5 - 10	6 - 25	6 - 25

Page 42 Fig. 4

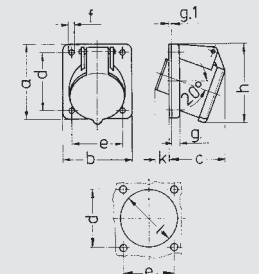


Page 41 Fig. 1, Page 53 Fig. 1



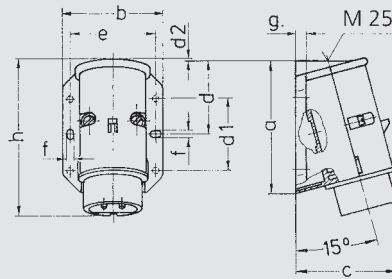
Drawing	Amp.	16	
1 MB 219	Pole		5
Dim. in mm	a		95
	b		102
	c		129
	d		64,2
	e		77,5
	e1		88
	f		5,5
	g		5
	h		132
	M		25
	M*		for M 25 (blind) to be cut out
Max. cable dia. (mm)			18
Cond. cross section (mm <sup>2</sup> ) min. - max.			1,5 - 4

Page 42 Fig. 5



Drawing	Amp.	63	
1 MB 112	Pole	4	5
Dim. in mm	a	170	170
	b	118	118
	c	171	171
	d	134,5	134,5
	e	103	103
	f	6,1	6,1
	g	6	6
	h	216	216
	M	40	40
	M*	for 2 x M40 (blind) to be cut out	
Max. cable dia. (mm)		27	27
Cond. cross section (mm <sup>2</sup> ) min. - max.		6 - 25	6 - 25

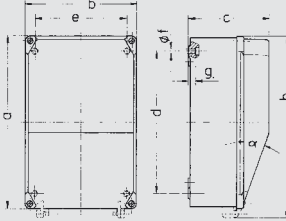
Page 43 Fig. 5



Drawing	Amp.	16		32	
2 MB 160	Pole	2	3	2	3
Dim. in mm	a	96	96	96	96
	b	73	73	73	73
	c	74	74	74	74
	d	53	53	53	53
	d1	52	52	52	52
	d2	2	2	2	2
	e	62	62	62	62
	f	5,3	5,3	5,3	5,3
	g	8	8	8	8
	h	116	116	116	116
Cond. cross section (mm <sup>2</sup> ) min. - max.		4 - 10	4 - 10	4 - 10	4 - 10

Drawing	Amp.	16		32	
1 MB 294	Pole	2	3	2	3
Dim. in mm	a	96	96	96	96
	b	73	73	73	73
	c	90	90	90	90
	d	53	53	53	53
	d1	52	52	52	52
	d2	2	2	2	2
	e	62	62	62	62
	f	5,3	5,3	5,3	5,3
	g	8	8	8	8
	h	129	129	129	129
Cond. cross section (mm <sup>2</sup> ) min. - max.		4 - 10	4 - 10	4 - 10	4 - 10

Page 41 Fig. 5, Page 45 Fig. 2 - 3a  
Page 46 Fig. 1 + 1a + 3 - 6a  
Page 47 Fig. 1 + 1a

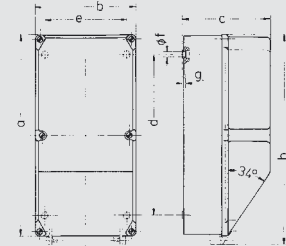


Dim. in mm		
a		245
b		160
c		116
d		201
e		133
f		5,5
g		10
h		259

Cable inlet:  
Top: 1 x M 32 open,  
1 x M 32 with sealing plug  
Bottom: 2 x M 32 with sealing plug

Drawing	Amp.	16		32	
1 MB 137	Pole	2	3	2	3
Dim. in mm	a	128	128	128	128
	b	84	84	84	84
	c	115	115	115	115
	d	11	11	11	11
	e	68	68	68	68
	f	5,3	5,3	5,3	5,3
	g	4	4	4	4
	h	146	146	146	146
	M	25	25	32	32
	M*	2x25 (blind) to be cut out		2x25 (blind) to be cut out	
Max. cable dia. (mm)		18	18	25	25
Cond. cross section (mm <sup>2</sup> ) min. - max.		4 - 2x6	4 - 10	4 - 2x6	4 - 10

Page 45 Fig. 4 + 4a  
Page 46 Fig. 2 + 2a

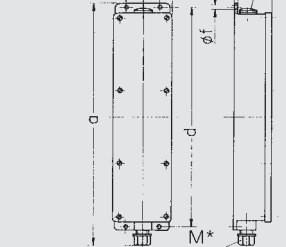


Dim. in mm		
a		341
b		172
c		149
d		272
e		140
f		8,5
g		6,5
h		355

Cable inlet:  
Top: 1 x M 40 open,  
1 x M 40 with sealing plug  
Bottom: 2 x M 40 with sealing plug

Drawing	Amp.	16		32	
1 MB 136	Pole	2	3	2	3
Dim. in mm	a	55	55	55	55
	b	55	55	55	55
	c	44	44	44	44
	d	45	45	45	45
	e	45	45	45	45
	f	4,2	4,2	4,2	4,2
	g	8	8	8	8
	g.1	2	2	2	2
	h	67	67	67	67
	k	22	22	22	22
	l	34	34	34	34
Cond. cross section (mm <sup>2</sup> ) min. - max.		4 - 10	4 - 10	4 - 10	4 - 10

Page 48 Fig. 1 - 5a  
Page 49 Fig. 1 - 2a

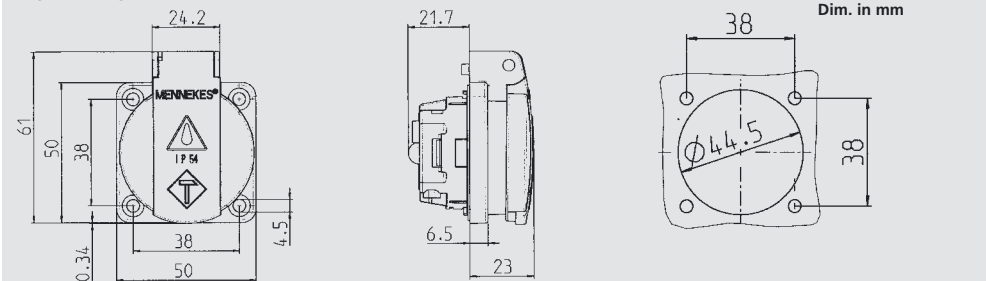


Dim. in mm		
a		401
b		97
c		63
d		364
e		56
f		5,5
g		4
h		259
M		20
M*		20

Cable inlet:  
Top: 1 x M 20 with sealing plug  
Bottom: 1 x M 20 with cable gland

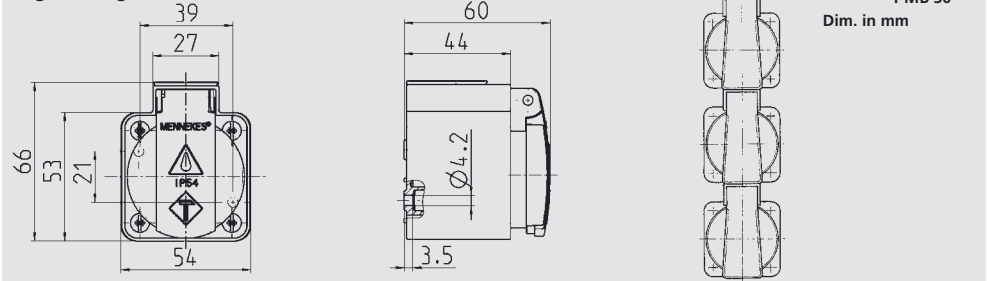
Drawing	Amp.	16		32	
1 MB 292	Pole	2	3	2	3
Dim. in mm	a	75	75	75	75
	b	75	75	75	75
	c	44	44	44	44
	d	60	60	60	60
	e	60	60	60	60
	f	5,5	5,5	5,5	5,5
	g	8	8	8	8
	g.1	2	2	2	2
	h	77	77	77	77
	k	22	22	22	22
	l	34	34	34	34
Cond. cross section (mm <sup>2</sup> ) min. - max.		4 - 10	4 - 10	4 - 10	4 - 10

Page 52 Fig. 1 + 2



Drawing	Amp.	16		32	
1 MB 231	Pole	2	3	2	3
Dim. in mm	a	68	68	68	68
	b	62	62	62	62
	c	42	42	42	42
	d	53	53	53	53
	e	47	47	47	47
	f	4,5	4,5	4,5	4,5
	g	8	8	8	8
	g.1	2	2	2	2
	h	72	72	72	72
	k	32	32	32	32
	l	55	55	55	55
Cond. cross section (mm <sup>2</sup> ) min. - max.		4 - 10	4 - 10	4 - 10	4 - 10

Page 52 Fig. 3



## Conversion factors

To convert	Multiply by	To convert	Multiply by
Mils to millimetres (mm) (1000 mils = 1 inch) . . .	0.0254	Kilograms to pounds (lb) . . . . .	2.205
Inches to centimetres (cm) . . . . .	2.54	Tons (2240 lb) to kilograms (kg) . . . . .	1016
Centimetres to inches . . . . .	0.3937	Kilograms to tons (2240 lb) . . . . .	0.00098
Feet to metres (m) . . . . .	0.3048	Ounces (avoirdupois) to grammes . . . . .	28.35
Metres to feet (ft) . . . . .	3.2808	Grammes to ounces (avoirdupois) . . . . .	0.0353
Yards to metres (m) . . . . .	0.9144	Grains (troy) to grammes . . . . .	0.0648
Metres to yards (yd) . . . . .	1.0936	Grammes to grains (troy) . . . . .	15.432
Miles to kilometres (km) . . . . .	1.6093	Gallons to litres . . . . .	4.546
Kilometres to miles . . . . .	0.6214	Litres to gallons . . . . .	0.220
Square inches to circular mils (circ mils) . . . . .	1.273	Horsepower to foot-pounds per minute (ft lb/min) . . .	33.000
Square inches to square millimetres (mm <sup>2</sup> ) . . . . .	645.16	Watts to foot-pounds per minute (ft lb/min) . . .	44.24
Square millimetres to square inches (inch <sup>2</sup> ) . . . . .	0.00155	Horsepower to kilowatts (kW) . . . . .	0.746
Square yards to square metres (m <sup>2</sup> ) . . . . .	0.8361	Kilowatts to horsepower (hp) . . . . .	1.34
Square metres to square yards (yd <sup>2</sup> ) . . . . .	1.196	Atmospheres to lb per square inch (lb/inch <sup>2</sup> ) . . . . .	14.68
Hectares to acres . . . . .	2.471	Miles per hour to feet per minute (ft/min) . . . . .	88.0
Acres to hectares . . . . .	0.4047	Land miles to nautical miles . . . . .	0.868
Cubic inches to cubic centimeters (cm <sup>3</sup> ) . . . . .	16.387	Nautical miles to land miles . . . . .	1.152
Cubic centimeters to cubic inches (inch <sup>3</sup> ) . . . . .	0.061		
Cubic yards to cubic meters (m <sup>3</sup> ) . . . . .	0.7646	Temperature:	
Cubic metres to cubic yards (yd <sup>3</sup> ) . . . . .	1.308	F to C Subtract 32 and multiply by 0.555r	
Pounds to kilograms (kg) . . . . .	0.4536	C to F Multiply by 1.8 and add 32	

## Comparison of Celsius and Fahrenheit

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
Zero	32.0	13	55.4	26	78.8	39	102.2	52	125.6	65	149.0	78	172.4	91	195.8
1	33.8	14	57.2	27	80.6	40	104.0	53	127.4	66	150.8	79	174.2	92	197.6
2	35.6	15	59.0	28	82.4	41	105.8	54	129.2	67	152.6	80	176.0	93	199.4
3	37.4	16	60.8	29	84.2	42	107.6	55	131.0	68	154.4	81	177.8	94	201.2
4	39.2	17	62.6	30	86.0	43	109.4	56	132.8	69	156.2	82	179.6	95	203.0
5	41.0	18	64.4	31	87.8	44	111.2	57	134.6	70	158.0	83	181.4	96	204.8
6	42.8	19	66.2	32	89.6	45	113.0	58	136.4	71	159.8	84	183.2	97	206.6
7	44.6	20	68.0	33	91.4	46	114.8	59	138.2	72	161.6	85	185.0	98	208.4
8	46.4	21	69.8	34	93.2	47	116.6	60	140.0	73	163.4	86	186.8	99	210.2
9	48.2	22	71.6	35	95.0	48	118.4	61	141.8	74	165.2	87	188.6	100	212.0
10	50.0	23	73.4	36	96.8	49	120.2	62	143.6	75	167.0	88	190.4	–	–
11	51.8	24	75.2	37	98.6	50	122.0	63	145.4	76	168.8	89	192.2	–	–
12	53.6	25	77.0	38	100.4	51	123.8	64	147.2	77	170.6	90	194.0	–	–

## kW/hp Conversion

When using this table to assist in the selection of capacitors for direct connection to induction motors, the horsepower value obtained should be rounded down to the next lower

figure given in the foregoing motor / capacitor tables e.g. 10kW corresponds to 13.4 hp, therefore the rating for a 12.5 hp motor should be selected.

kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp
1	1.34	15	20.1	29	38.9	43	57.6	57	76.4	71	95.2	85	114.0	99	133.0
2	2.68	16	21.5	30	40.2	44	59.0	58	77.8	72	96.5	86	115.0	100	134.0
3	4.02	17	22.8	31	41.6	45	60.3	59	79.1	73	97.9	87	117.0	101	136.0
4	5.36	18	24.1	32	42.9	46	61.7	60	80.4	74	99.2	88	118.0	102	137.0
5	6.70	19	25.5	33	44.2	47	63.0	61	81.8	75	100.6	89	119.0	103	138.0
6	8.04	20	26.8	34	45.6	48	64.3	62	83.1	76	102.0	90	121.0	104	139.0
7	9.38	21	28.2	35	46.9	49	65.7	63	84.5	77	103.0	91	122.0	105	141.0
8	10.70	22	29.5	36	48.3	50	67.0	64	85.8	78	105.0	92	123.0	106	142.0
9	12.06	23	30.8	37	49.6	51	68.4	65	87.1	79	106.0	93	125.0	107	143.0
10	13.40	24	32.2	38	50.9	52	69.7	66	88.5	80	107.0	94	126.0	108	145.0
11	14.80	25	33.5	39	52.3	53	71.0	67	89.8	81	109.0	95	127.0	109	146.0
12	16.10	26	34.9	40	53.6	54	72.4	68	91.2	82	110.0	96	129.0	110	147.0
13	17.40	27	36.2	41	55.0	55	73.4	69	92.5	83	111.0	97	130.0	–	–
14	18.80	28	37.5	42	56.3	56	75.0	70	93.8	84	113.0	98	131.0	–	–



## Index of article numbers

Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page
1	26	1109A	29	1206VA	41	1341	25	1429	22	1495	22
10081	52	1110A	29	1206ZA	26	1342	25	143	26	1496	22
10082	52	11110	52	1207	26	1343	25	1430	22	1497	22
10083	52	11111	52	1208	26	1344	25	1431	22	1498	22
10176	50	1111A	29	1209	26	134A	26	1432	22	1499	22
10177	50	1112A	29	121	35	135A	26	1433	22	14A	28
10178	50	1113A	29	1210ZA	26	1362	22	1434	22	1500	22
10179	50	1114A	29	1211	26	1363	22	1435	22	1501	23
10180	50	1115A	36	1212	26	1364	22	1436	34	1502	23
10181	50	1116A	36	1213	26	1365	22	1437	34	1503	23
10182	50	1117A	36	1214	26	1366	22	1438	32, 35	1504	23
10183	50	1118A	36	1215	26	1367	22	1441A	29	1505	23
10184	50	1119A	36	1216	32	1368	26	1442A	29	1506	23
10185	50	11200	52	1217	32	1369	26	1443A	29	1507	23
10186	50	1120A	36	122	35	136A	26	1444A	29	151A	28
10187	50	1121A	36	1226A	28	136VA	41	1445A	29	152A	28
10188	50	1122A	23	1227A	28	137	26	1446A	29	153A	28
10189	50	1123A	23	1228A	28	1370	26	1447A	29	1551	23
102	26	1124A	23	1229A	28	1371	26	1448A	36	1555	26
103	26	1125A	23	1230A	28	1372	26	1449A	36	1556	26
1035	37	1126A	23	1231A	28	1373	26	1450A	36	1557ZA	26
104	26	1127A	23	1232A	28	1374	26	1451A	36	1567	23
1040	37	1128A	23	1233A	28	138	26	1452A	36	1568	23
10441	50	1131	24	1234A	28	1383	22	1453A	36	1570A	29
10442	50	1132	24	1235A	28	1384	22	1454A	36	1571A	29
10443	50	1133	24	1236A	35	1385	22	1455	23	1572A	29
1045	37	1134	24	1237A	35	1386	22	1456	23	1573A	36
1050	37	1136A	26	1238	35	1387	22	1457	23	1574A	36
1055	37	1137A	26	1239	35	1388	22	1458	23	1575A	36
106	26	1138A	26	1240A	35	1389	22	1459	23	1579	42
1060	37	1139A	26	1241A	35	139	26	1460	23	159	28
1065	37	1140A	26	1242A	35	1390	22	1461	23	15A	35
10679	50	1141A	26	1243A	35	1391	22	1462	22	160	28
10696	50	1142A	26	1244A	35	1392	22	1463	22	1602	42
107	26	1143A	26	1245A	35	1393	22	1464	22	1603	42
1070	37	1144A	26	1246A	22	1394	22	1465	22	1628	22
10749	52	1145A	26	1247A	22	1395	22	1466	22	1629	22
1075	37	1146A	22	1248A	22	1396	22	1467	22	163	28
10751	52	1147A	22	1249A	22	1397	22	1468	22	1631	24
10754	52	1148A	22	125	35	1398	22	1469	22	1632	24
10755	52	1149A	22	1250A	22	1399	22	1470	22	1633	24
10757	50	1150A	22	1251A	22	13A	28	1471	22	1634	24
10758	50	1151A	22	1252A	22	140	26	1472	22	1635	24
108	26	1152A	22	126	35	1400	22	1473	22	1636	24
1080	37	1153A	22	1260A	22	1401	22	1474	23	1637	24
1081	23	1154A	22	1261A	22	1402	22	1475	23	1638	24
1082	23	1155A	22	1262A	22	1408	30	1476	23	1639	24
10837	52	1192VA	41	1263A	23	1409	30	1477	23	164	28
10838	52	1192ZA	26	1264A	23	141	26	1478	23	1640	24
10839	52	1193ZA	26	1265A	23	1410	27	1479	23	1641	24
10840	52	1194	26	1267	26	1411	27	147A	28	1642	24
10841	52	1195	26	1268	26	1412	27	1480	23	1643	24
10842	52	1196VA	41	1269	26	1414	34	1481	23	1644	24
10843	52	1196ZA	26	127	35	1415	34	1482	23	1645	24
10844	52	1197	26	1270	42	1418	26	1483	23	1646	24
10845	52	1198	26	1271	42	1419	26	1484	23	165	28
10846	52	1199	26	1272	42	142	26	1485	23	1657	42
109	26	1200VA	41	1273	42	1420ZA	26	1486	22	1661	42
110	26	1200ZA	26	128A	26	1421ZA	26	1487	22	1667	24
11010	52	1201VA	41	129A	26	1422	26	1489	23	1668	24
11011	52	1201ZA	26	130A	26	1423	26	148A	28	1669	24
11012	52	1202VA	41	131A	26	1424	26	1490	23	1670	24
11013	52	1202ZA	26	132A	26	1425ZA	26	1491	22	1671	24
1103	23	1203	26	132VA	41	1426	26	1492	22	1672	24
1107	32	1204	26	133A	26	1427	26	1493	22	1673	24
1108A	29	1205	26	1340	25	1428	26	1494	22	1674	24

## Index of article numbers

Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page
1675	24	1875	25	2199	26	24236	45	2855	42	3191	22
1676	24	1876	25	219A	23	24237	45	286	29	3192	22
1677	24	193A	35	220A	23	24238	45	2860	42	3193	22
1678	24	194A	35	2212	38	24239	46	2864	42	3197	23
1679	24	1955	43	2213	38	24240	46	2869	42	3200	23
1680	24	1959	43	221A	23	24241	46	287	29	3201	22
1681	24	195A	35	222A	23	24242	40, 47	2870	42	3202	22
1682	24	1961	43	223A	23	24243	40, 47	288	29	321	33
1688	30	1962	43	2241	26	24244	40, 47	2883	38	322	33
1693	42	1965	43	2243	28	24245	40, 47	289	29	3231	34
1694	42	1967	43	2244	28	24246	40, 47	290	29	3232	34
1695	42	1968	43	2245	35	24247	40, 47	291	29	3240	38
16A	35	1972	43	224A	23	24248	40, 47	292	29	325	33
1700	24	1974	43	2255	38	24249	40, 47	293	29	3254	23
1701	24	1975	43	225A	23	2441	35	294	29	3256	23
1702	24	1978	43	226A	23	2459	38	295	29	3262	38
1703	24	1980	43	2271	28	2460	38	2958A	29	3266	27
1704	24	1981	30	227A	23	247	28	296	29	327	33
1705	24	1982	30	228A	23	2478	34	297	29	328	33
1706	24	1983	30	2296	38	248	28	298	29	3283	23
1707	24	1984	30	229A	23	2488A	42	299	29	329	34
1708	24	2	26	230A	23	249	28	3	28	3290	42
1709	24	200	25	2317	38	2493	35	300	29	33	28
1710	24	2000	26	231A	23	2495	35	3028	26	330	34
1711	24	2007A	26	232A	38	250	28	303	29	3306	27
1712	24	2014	28	232A	23	251	28	3030	26	331	32
1713	24	2015	28	233A	23	2511	34	3031	22	3312	27
1714	24	2026	35	2341	28	2517	35	3032	26	3319A	33
1715	24	2027	35	234A	23	252	28	3034	26	332	32
1716	24	203A	23	2359	32	253	28	3035	26	333	32
1717	24	204A	23	235A	23	254	28	3036	22	3331	25
1719	25	205A	23	236A	23	255	28	3039	26	3338	33
1720	25	206A	23	237A	23	256	28	3041	26	3339	33
1721	25	207A	23	2386	32	257	28	3043	26	334	32
1723	25	208A	23	238A	23	259	28	3045	26	3340	33
1724	25	20970	34	239A	23	260	28	3046	26	3341	33
1725	25	209A	23	2400	32	2600	53	3054	22	3342	34
1730	25	21077	26	2405	38	261	28	3055	22	3343	34
1750	25	210A	23	2406	38	2617A	42	3057	22	3345	34
1751	25	211A	23	240A	23	262	28	3059	22	3346	34
1752	25	21229	26	241	25	263	28	3060	22	3347	34
1755	25	2123A	53	24113	26	264	28	307	29	3348	34
1756	25	21241	34	24114	26	2644	53	3072	22	335	32
1757	25	212A	23	24115	26	2648	38	3074	22	3350	34
179A	35	2139	26	24116	26	265	28	3093	22	3352A	36
180A	35	213A	23	24193	45	266	28	31	25	3355	34
180AC	32	214A	23	24194	45	2668	32	3110	22	3356	34
181A	35	215A	23	24195	45	267	28	3112	22	3357	34
1823	42	2166	37	24196	45	2674	35	3134	26	336	32
1825	42	2167	37	24197	45	268	28	3136	22	3367	34
1829	42	2168	28	24198	45	269	28	3137	22	3368	34
1831	42	2169	26	24199	46	2746	38	3139	26	337	32
1832	42	216A	23	242	25	277	29	3149	26	338	33
1835	42	2175A	53	24200	46	278	29	315	27	3380	23
1837	42	2177A	53	24201	46	2782	38	3152	26	3385	24
1838	42	2178	28	24202	40, 47	279	29	3153	22	3389A	36
1842	42	2179A	23	24203	40, 47	280	29	3154	26	339	33
1844	42	217A	23	24204	40, 47	281	29	3173A	29	3390A	36
1845	42	2180A	23	24205	40, 47	2818	38	3174A	36	3399A	29
1848	42	2181A	23	24206	40, 47	282	29	318	33	34	28
1850	42	2188	26	24207	40, 47	283	29	3186	22	340	32
1867	25	2189	28	24208	40, 47	284	29	3187	22	3400A	29
1868	25	218A	23	24209	40, 47	2841	42	3188	22	341	32
1870	25	2193	35	24233	45	2845	42	3189	22	3413	30
1871	25	2195	28	24234	45	285	29	319	33	342	32
1872	25	2196	35	24235	45	2852	42	3190	22	3420	34

## Index of article numbers

Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page
3424	27	3772	41	390	32	3980	27	4226YA	27	52034	40, 47
343	32	3773	41	3900	36	3981	27	4227ZA	27	52035	40, 47
344	32	3774	41	3905	36	3982	27	4228ZA	27	52060	45
3447	22	3775	38	3907	36	3983	27	4230	27	52061	45
3449	22	3776	38	3909	36	3987	27	4254YA	27	52062	45
345	32	3777	38	391	32	399	32	5	35	52063	46
3451	22	3779	38	3913	38	4	28	509	35	52064	46
3452	22	378	32	3914	38	400	32	50974	45	52065	46
3454	22	3780	38	3915	38	401	32	50975	45	52067	46
3455	22	3781	38	3916	38	402	32	50984	45	52068	46
3458	34	3782	38	3917	34	40243	51	50985	45	52069	46
3459	34	3783	38	3918	28	403	32	5099A	39	52072	45
346	32	3784	38	3919	28	404	32	510	35	52073	45
3460	34	379	32	392	32	40444	51	5100AA	39	52076	46
3461	34	3794	29	3920	28	405	32	5101A	39	52077	46
347	32	3796	29	3925	28	406	32	5102A	39	52078	46
3473	24	3799	29	3926	28	407	32	5103AA	39	52079	46
348	32	380	32	3927	28	40778	29	5104A	39	52080	46
3485	24	3804	29	3928	28	40784	29	5105AA	39	52081	46
349	32	3807	29	3929	28	40785	29	5106A	39	52082	46
35	35	3809	29	393	32	40786	29	5107A	39	52083	46
3507	23	381	32	3930	28	40787	29	5108AA	39	52084	46
3517	34	3810	29	3934	28	40788	29	5109A	39	52085	46
352	32	3811	29	3935	28	40841	29	511	35	52086	46
3524	23	3812	29	3936	28	40871	51	5110A	39	52087	46
3527	34	3819	29	394	32	40978	51	5110VA	41	52090	45
3528	34	382	32	3942	28	40979	51	5111A	39	52091	45
353	32	3821	29	3943	28	40980	51	5112A	39	52093	46
354	32	3823	29	3944	28	40981	51	5113A	39	52094	46
355	32	3829	29	3945	28	40985	51	5113VA	41	52095	46
356	32	383	32	3946	28	40986	51	512	35	52096	46
357	32	3830	29	3947	28	410	32	513	35	52097	46
3575	23	3832	29	3948	28	41000	23	51392	40, 47	52098	46
3575A	23	3837	29	3949	28	4101YA	27	51393	40, 47	52099	46
358	32	3839	29	395	32	4102YA	27	514	35	521	35
3583	30	384	32	3950	28	4103YA	27	515	35	52100	46
359	32	3841	29	3951	28	4104YA	27	516	35	52101	46
36	35	3842	29	3952	28	4105YA	27	517	35	52102	46
360	32	3844	29	3953	35	4106YA	27	518	35	52103	46
3600	30	3845	29	3954	35	4107YA	27	519	35	52104	46
361	32	385	32	3955	35	4108YA	27	52000	48	52105	46
362	32	3851	29	3956	35	4109YA	27	52001	48	52106	46
363	32	3853	29	3957	35	411	32	52002	48	52111	45
364	32	3855	29	3958	35	4110YA	27	52003	48	52112	46
3646	27	3859	36	3959	35	412	32	52004	48	52113	46
365	32	386	32	396	33	41416	29	52005	48	52113VA	41
3656	30	3860	36	3960	35	41431	51	52007	48	52114	46
3657	30	3862	36	3961	35	41432	51	52008	48	52114VA	41
3658	30	3866	36	3962	35	41433	51	52009	48	52115	46
366	32	3869	36	3963	35	41482	31	52011	48	52115VA	41
3665	30	3871	36	3964	35	41489	31	52012	48	52116	46
367	32	3872	36	3965	35	41501	51	52013	48	52116VA	41
368	32	3873	36	3966	35	418	25	52014	48	52117	46
3704	30	3874	36	3967	35	419	25	52018	48	52117VA	41
371	32	3879	36	3968	35	4191	27	52019	48	52118	46
3717	34	3881	36	3969	35	4204YA	27	52020	48	52118VA	41
3718	34	3883	36	397	33	4210	27	52021	48	52119	46
372	32	3887	36	3970	35	4211	27	52022	48	52120	45
373	32	3888	36	3971	35	4212	27	52023	48	52121	46
374	32	389	32	3972	35	4213	27	52024	48	52122	46
3767	41	3891	36	3973	35	4218YA	27	52025	48	52123	46
3768	41	3894	36	3974	35	4219YA	27	52026	48	52124	46
3769	41	3896	36	3975	35	4220YA	27	52030	40, 47	52125	46
377	32	3897	36	3976	35	4223YA	27	52031	40, 47	52131	45
3770	41	3898	36	3977	28	4224YA	27	52032	40, 47	52132	46
3771	41	3899	36	398	32	4225YA	27	52033	40, 47	52133	46

## Index of article numbers

Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page	Art.-no.	page
52134	46	529	35	591	42	7010AA	39	748	37	93286	49
52135	46	530	35	5911A	39	7011AA	39	749	37	933	31
52136	46	531	35	5924AA	39	7012AA	39	750	37	934	31
52137	46	539	36	5925A	39	7012VA	41	751	37	935	31
52138	46	540	36	5946A	53	701A	43	752	37	937	33
52139	46	541	36	5955A	39	702A	43	800	31	938	31
52140	45	542	36	5956A	39	703A	43	8001	32	939	31
52141	46	543	36	5957A	39	70433	47	801	31	942	31
52142	46	544	36	5959A	39	7060	40	810	30	944	31
52143	46	545	36	596	42	707A	43	812	30	947	28
52144	46	5457A	39	597	42	708A	43	813	30	948	28
52145	46	5459A	39	598	42	713A	43	814	30	94864	49
52151	45	546	36	599	42	714A	43	815	30	94865	49
52152	45	5460A	39	6	35	715A	43	816	30	94866	49
52153	45	5462A	39	603	42	716A	43	817	30	94867	49
52154	45	547	36	604	42	720A	43	819	30	949	31
52155	45	548	36	609	42	721A	43	820	30	951	28
52156	45	549	36	610	42	7265	39	821	30	952	28
52157	45	550	36	6106ZB	38	7266	39	822	30	953	28
52158	45	551	36	611	42	7267	39	824	30	954	28
52170	46	552	36	612	42	7268	39	825	30	95472	48
52171	46	553	36	616	42	7269	40	826	30	95996	49
52172	46	554	36	617	42	726A	43	827	30	96227	49
52173	46	555	36	622	42	727	43	828	30	964	25
52174	46	556	36	623	42	7270	40	829	30	96462	49
52175	46	557	36	624	42	7271	40	830	30	96489	49
52176	46	558	36	625	42	7272	40	831	30	965	35
52177	46	559	36	629A	43	7273	39	832	30	966	25
52180	47	5599A	39	630A	43	7274	39	833	30	96700	52
52181	47	560	36	635A	43	7275	39	834	30	96705	49
52182	47	5600AA	39	636A	43	7276	39	835	30	968	25
52183	47	5600VA	41	637A	43	7277	40	836	30	969	25
52184	47	5601A	39	638A	43	7278	40	837	30	972	31
52185	47	5602A	39	642A	43	7279	40	838	30	974	31
52186	47	5603AA	39	643A	43	7280	40	839	30	976	25
52187	47	5603VA	41	648A	43	7283	41	840	30	977	24
52190	46	5604A	39	649A	43	7284	41	843	31	979	35
52191	46	5605AA	39	650A	43	7285	41	844	31	980	35
52192	46	5605VA	41	651A	43	7286	41	846	31	985	25
52193	46	5606A	39	655A	43	7287	41	847	31	990	25
52194	46	5607A	39	6569	39	7288	41	853	30	993	35
52195	46	5608AA	39	656A	43	7289	41	854	33	994	35
52196	46	5608VA	41	6571	39	728A	43	855	34	995	25
52197	46	561	36	661A	43	7290	41	856	26	996	35
522	35	562	36	662A	43	729A	43	859	33	998	24
52200	47	565	36	663A	43	7306	38	88678	52	999	25
52201	47	569	36	664A	43	7307	38	890	27		
52210	40, 47	5690A	40	668A	43	733	37	891	27		
52211	40, 47	5691A	40	669A	43	734	37	903	23		
52212	40, 47	5692A	40	674A	43	735	37	905	23		
52213	40, 47	5696AA	39	675A	43	736	37	907	24		
52214	40, 47	5743AA	39	676A	43	737	37	908	25		
52215	40, 47	5759A	39	677A	43	738	37	913	34		
52240	49	577	42	681A	43	7380	39	917	25		
52241	49	578	42	682A	43	7381	40	918	25		
52242	49	5785ZA	38	687A	43	7382	39	919	31		
52243	49	5792A	53	688A	43	7383	40	921	32		
52244	49	5793AA	39	689A	43	739	37	922	32		
52245	49	5793VA	41	690A	43	740	37	924	31		
523	35	583	42	694A	43	741	37	92463	49		
524	35	584	42	695A	43	742	37	92889	49		
525	35	585	42	7000	40	743	37	92890	49		
526	35	586	42	70013	47	744	37	929	25		
52650	47	5887A	40	70029	47	745	37	930	25		
527	35	5888A	40	7002AA	39	746	37	931	31		
528	35	590	42	700A	43	747	37	932	31		



 **Notes**

---

A large rectangular area with a light gray background and horizontal white lines, intended for taking notes.



# MENNEKES®

## Plugs for the world

### International branches / representations



#### Brazil

MENNEKES Electric do Brasil Ltda.  
 Rua Dr. Paulo Breda Filho, 357  
 CEP 18103-297 – Sorocaba – SP  
 Brazil  
 Phone + 55 (15) 225 1306  
 Fax + 55 (15) 225 1306  
 E-Mail [MENNEKES@MENNEKES.com.br](mailto:MENNEKES@MENNEKES.com.br)  
 Internet: [www.MENNEKES.de](http://www.MENNEKES.de)



#### China

NANJING MENNEKES Electric  
 Appliances Co., Ltd.  
 58 Qinhuai Road  
 Jiangning Development Zone  
 PRC-211100 Nanjing  
 PR China  
 Phone + 86 (25) 5212 55 66  
 Fax + 86 (25) 5212 55 77  
 E-Mail [info@MENNEKES.com.cn](mailto:info@MENNEKES.com.cn)  
 Internet: [www.MENNEKES.com.cn](http://www.MENNEKES.com.cn)



#### France

MENNEKES  
 Electrotechnique France SARL  
 Z.I. de Leveau – Porte F  
 P.C.E 1607  
 F-38216 – VIENNE Cédex  
 Phone + 33 437 02 24 10  
 Fax + 33 474 53 41 39  
 E-Mail [mef@MENNEKES.fr](mailto:mef@MENNEKES.fr)  
 Internet: [www.MENNEKES.de](http://www.MENNEKES.de)



#### Italy

MENNEKES Electric Italia s.r.l.  
 Via Ferrero 10  
 I-10090 Rivoli-Cascine Vica (TO)  
 Phone + 39 (0 11) 959 0295  
 Fax + 39 (0 11) 959 0200  
 E-Mail [info@MENNEKES.it](mailto:info@MENNEKES.it)  
 Internet: [www.MENNEKES.it](http://www.MENNEKES.it)



#### Malaysia

MENNEKES  
 Elektrotechnik GmbH & Co. KG  
 (Malaysia Representative Office)  
 Bosch Building  
 NO. 8A, Jalan 13/6  
 46200 Petaling Jaya,  
 Selangor Darul Ehsan  
 Phone + 60-3-79 54 27 31  
 Fax + 60-3-79 54 27 21  
 E-Mail [MENNEKES@tm.net.my](mailto:MENNEKES@tm.net.my)



#### Singapore

MENNEKES  
 Electric Singapore Pte. Ltd.  
 38C Jalan Pemimpin  
 # 06-02B Bosch Building  
 SGP-Singapore 577180  
 Phone + 65 62 52 58 02  
 Fax + 65 62 52 58 06  
 E-Mail [info@MENNEKES.com.sg](mailto:info@MENNEKES.com.sg)



#### Thailand

MENNEKES  
 Elektrotechnik GmbH & Co. KG  
 (Thailand Representative Office)  
 5/16 SOI AREE 1, Phaholyothin Road  
 Phayathai, Bangkok 10400, Thailand  
 Phone + 66-(0)2 3 57 20 01  
 Fax + 66-(0)2 2 79 61 13  
 E-Mail [MENNEKES@inet.co.th](mailto:MENNEKES@inet.co.th)



#### USA

MENNEKES Electrical Products  
 277, Fairfield Road  
 USA-Fairfield, N.J. 07004  
 Phone + 1-973-882-83 33  
 Fax + 1-973-882-55 85  
 E-Mail [info@MENNEKES.com](mailto:info@MENNEKES.com)  
 Internet: [www.MENNEKES.com](http://www.MENNEKES.com)

MENNEKES Electric Ltd.  
 Unit 4, Crayfields Industrial Park  
 Main Road, St. Pauls Cray  
 Orpington  
 Kent BR5 3HP, UK  
 Phone + 44 (16 89) 83 35 22  
 Fax + 44 (16 89) 83 33 78  
 E-Mail [sales@MENNEKES.co.uk](mailto:sales@MENNEKES.co.uk)  
 Internet: [www.MENNEKES.co.uk](http://www.MENNEKES.co.uk)



#### Parent company

MENNEKES  
 Elektrotechnik GmbH & Co. KG  
 Spezialfabrik für Steckvorrichtungen  
 P. O. Box 1364  
 D-57343 Lennestadt  
 Phone +49 (27 23) 41-1  
 Fax +49 (27 23) 41-2 14  
 E-Mail [info@MENNEKES.de](mailto:info@MENNEKES.de)  
 Internet [www.MENNEKES.de](http://www.MENNEKES.de)  
 Visitor address:  
 Aloys-Mennekes-Straße 1  
 D-57399 Kirchhundem



#### Plant Neudorf

Technoplast GmbH  
 Karlsbader Straße 50a  
 D-09465 Neudorf/Erzgebirge  
 Phone +49 (3 73 42) 8 62-0  
 Fax +49 (3 73 42) 8 62-38  
 E-Mail [info@tp-neudorf.de](mailto:info@tp-neudorf.de)

# UK / IRL

Further representatives in more than 80 countries around the world.