

CATALOGUE

INDUSTRIAL PLUGS AND SOCKETS

INT





„Local service, availability, competence, excellent products and the desire to provide tailored solutions are MENNEKES’s factors for success in international markets. This is what we provide in over 80 countries worldwide.”

Karsten Hauck, Head of International Sales



„We gain the confidence of customers in international markets with close proximity, excellent service and flexibility coupled with solution based advice.”

Andrea Garte, Head of International Sales Europe/South America



„High quality combined with global presence and local competence are the pillars and foundation of the MENNEKES brand.“

Jörg Schneider, Head of Region Asia-Pacific, Middle East & Africa



„Our Global Account Management team consists of industry specialists for our international key customers. We always have the right products, know the industrial sectors, their requirements and challenges. This way we guarantee ideal service and co-ordinate your global actions.“

Michael Richard, Head of Global Accounts



„We always have to be convincing – through reliability and perfect service. That is how we manage to gain customers and keep them as partners.“

Kerstin Born, Head of Customer Services



„We accelerate our company’s internationalisation through close cooperation with our customers all over the world. Client-oriented operations and efficient processes lead to the best service and help us reach our goals with our partners.“

Anne Schnieder-Sievers, Team Leader Customer Services Europe



„Embedding new digital elements in our successful service portfolio is crucial for our growth. It allows us to offer our customers convenient and extensive service on the highest possible level.“

Stefan Grüneböhmer, Team Leader Customer Services Overseas



We like to communicate with you. Do you have special requests and requirements? Talk to us, we like to give you advice and will project individual solutions for you.

MENNEKES – The company.

When my grandfather, Aloys Mennekes, received his Master Electrician's certificate in 1935, he surely was not aware of what would develop from his commitment to electrical engineering. At that time, he knew only one thing: he wanted to put his ideas into practice and manufacture his own products.

As you leaf through the pages of this catalogue, you get a feeling of how strongly this initial entrepreneurial desire continues to design us today. The variety of the products on display clearly shows that we still have great pleasure in converting our ideas into new products. But marketable ideas are rarely generated behind closed doors. As specialists, we therefore develop individual solutions together with our customers. Hence our product portfolio today consists of more than 10,000 customised products, far more than we can show in this catalogue.

Since it was founded over 85 years ago, MENNEKES has been a wholly owned family business, responsibly managed by members of the owner family throughout. Responsibility for the Company also means responsibility for the people who are at the heart of our thinking and actions at MENNEKES. Through their awareness of the values of diligence, reliability and loyalty, they constitute an important cornerstone of the Company.

I am proud to be able to continue this tradition in the third generation.

These are fascinating times for the preservation of tradition because, due to the digital revolution, many things are going to change in the next decade. In this world flooded with information, MENNEKES wants to be a point of reference on which our customers can rely for quality, safety and functionality. We say with confidence: Our brand is a promise.

Thank you for believing this promise and thus supporting our business philosophy.

Christopher Mennekes
General Management Director



Aloys Mennekes (center) with apprentice and journeymen on their way to work



Plugs and sockets for toughest conditions




Family Mennekes (from left): Petra and Walter, Daniela and Christopher and Michael and Steffen

CEE receptacles – 16 A up to 125 A

Highly resistant to chemicals. Other voltages and frequencies available on request. For drawings and dimensions see page 20 - 25.


Wall mounted receptacle Drawing 1 MB 463



IP44

A	P	110 V	230 V	400 V
16	3		27001	
16	4			27002
16	5			27004
32	3		27005	
32	4			27006
32	5			27008

Wall mounted receptacle Drawing 1 MB 209



IP44

A	P	110 V	230 V	400 V
16	3	100	101	102
16	4	103	104	105
16	5		110	111

Wall mounted receptacle Drawing 1 MB 43




IP44

A	P	110 V	230 V	400 V
16	4	3030	3034	1418
16	5	3041	3045	1419
32	3	1420	1421	1422
32	4	1423	1424	1425
32	5		1556	1557

Wall mounted receptacle Drawing 1 MB 213


X-CONTACT



IP44

A	P	110 V	230 V	400 V
63	3	1136A	1137A	
63	4		1140A	1141A
63	5		1144A	1145A

Wall mounted receptacle Drawing 1 MB 622




IP67

A	P	110 V	230 V	400 V
16	3	9300	9301	9302
16	4		9321	9322
16	5		9341	9342
32	3	9350	9351	9352
32	4		9371	9372
32	5	9380	9381	9382

Wall mounted receptacle Drawing 1 MB 112

X-CONTACT




IP67

A	P	110 V	230 V	400 V
63	3	856	128A	129A
63	4		131A	132A
63	5	134A	135A	136A

Wall mounted receptacle Drawing 1 MB 162

X-CONTACT




IP67

A	P	110 V	230 V	400 V
125	4	137	138	139
125	5		142	143

Wall mounted receptacle Drawing 1 MB 163

X-CONTACT, with large space for accommodating wiring




IP67

A	P	110 V	230 V	400 V
125	5			2162A

Panel mounted receptacle Drawing 1 MB 247

straight




IP44

A	P	110 V	230 V	400 V
16	3	1365	1366	1367
16	4	1388	1389	1390
16	5	1384	1386	1385
32	3	1394	1395	1396
32	4	1397	1398	1399
32	5		3454	3451

Panel mounted receptacle Drawing 1 MB 141

straight




IP67

A	P	110 V	230 V	400 V
16	3	217A	218A	219A
16	4		221A	222A
16	5		227A	228A
32	3	229A	230A	231A
32	4	232A	233A	234A
32	5	238A	239A	240A

Panel mounted receptacle Drawing 1 MB 260

angled 20°



IP44

A	P	110 V	230 V	400 V
16	3	1462	1463	1464
16	4		1466	1467
16	5	1471	1472	1473
32	3	1491	1492	1493
32	4	1494	1495	1496
32	5		1499	1500

Panel mounted receptacle Drawing 1 MB 251

angled 20°




IP67

A	P	110 V	230 V	400 V
16	3	1474	1475	1476
16	4	1477	1478	1479
16	5		1484	1485
32	3	1501	1502	1503
32	4	1504	1505	1506
32	5		1490	1551

Panel mounted receptacle Drawing 1 MB 211

X-CONTACT, straight




IP44

A	P	110 V	230 V	400 V
63	3	1260A	1261A	
63	4		1247A	1248A
63	5		1251A	1252A

Panel mounted receptacle Drawing 1 MB 212/1 MB 258

X-CONTACT, straight




IP67

A	P	110 V	230 V	400 V
63	3	1263A	1264A	1265A
63	4		1123A	1124A
63	5		1127A	1128A
125	3		3380	
125	4	1455	1456	1457
125	5		1460	1461

Panel mounted receptacle Drawing 1 MB 297

X-CONTACT, angled 20°




IP44

A	P	110 V	230 V	400 V
63	3		1147A	
63	4		1150A	1151A
63	5		1154A	1155A

Panel mounted receptacle Drawing 1 MB 298/1 MB 601

X-CONTACT, angled 20°




IP67

A	P	110 V	230 V	400 V
63	3	2179A	2180A	2181A
63	4		204A	205A
63	5		208A	209A
125	3		3575	
125	4		211A	212A
125	5		215A	216A

Panel mounted receptacle Drawing 1 MB 453

angled 20°, standard flange: 85 x 85 mm, fixing hole spacing: 70 x 70 mm




IP44

A	P	110 V	230 V	400 V
16	3	3031	3036	
16	4			3072
16	5			3093
32	3	3110	3112	
32	4			3136
32	5			3153

Panel mounted receptacle Drawing 1 MB 452

angled 20°, standard flange: 85 x 85 mm, fixing hole spacing: 70 x 70 mm





IP67


A	P	110 V	230 V	400 V
16	3	903	905	
16	4			1081
16	5			1103
32	3	3197	3200	
32	4			3254
32	5			3524


CEE receptacles – screwless connection technique TwinCONTACT


Other voltages and frequencies available on request.  Highly resistant to chemicals. For drawings and dimensions see page 20 - 25.


Wall mounted receptacle		Drawing 1 MB 463				
screwless spring terminals		A	P	110 V	230 V	400 V
	IP44	16	3	1340	1341	1343
		16	4		1342	1343
		16	5			31
		32	3	1345	1346	
		32	4		1347	1348
		32	5			32


Wall mounted receptacle		Drawing 1 MB 209				
screwless spring terminals		A	P	110 V	230 V	400 V
	IP44	16	3	1719	1720	1721
		16	4		1723	1724
		16	5		1730	3331


Wall mounted receptacle		Drawing 1 MB 43				
screwless spring terminals		A	P	110 V	230 V	400 V
	IP44	16	4	1750	1751	418
		16	5	1755	1756	419
		32	3	1851	420	1852
		32	4		1856	421
		32	5	1860	1861	422

Wall mounted receptacle		Drawing 1 MB 622				
screwless spring terminals		A	P	110 V	230 V	400 V
	IP67	16	3	9104	9105	9106
		16	4	9120	9121	9122
		16	5	9140	9141	9142
		32	3	9150	9151	9152
		32	4	9170	9171	9172

Panel mounted receptacle		Drawing 1 MB 464				
screwless spring terminals, straight		A	P	110 V	230 V	400 V
	IP44	16	3	1667	1668	1669
		16	4	1672	1673	1674
		16	5	1678	1679	3385
		32	3	1786	1787	1788
		32	4		1790	1791
		32	5	1795	1796	1797

Panel mounted receptacle		Drawing 1 MB 467				
screwless spring terminals, straight		A	P	110 V	230 V	400 V
	IP67	16	3	1707	1708	1709
		16	4	1710	1711	1712
		16	5	1716	1717	1131
		32	3	1809	1810	
		32	4		1813	1814
		32	5			1820

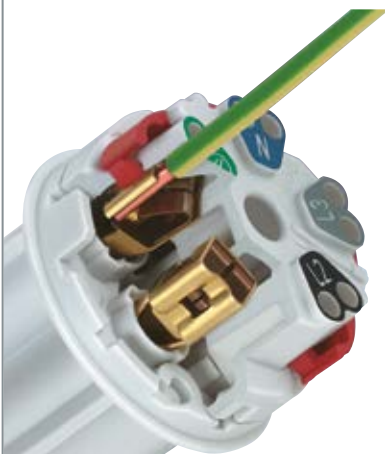
Panel mounted receptacle		Drawing 1 MB 465				
screwless spring terminals, angled 20°		A	P	110 V	230 V	400 V
	IP44	16	3	1631	1632	1633
		16	4		1637	1638
		16	5	1642	1643	3473
		32	3	1733	1734	1735
		32	4		1739	1740

Panel mounted receptacle		Drawing 1 MB 466				
screwless spring terminals, angled 20°		A	P	110 V	230 V	400 V
	IP67	16	3	1700	1701	1702
		16	4		1703	1704
		16	5			3485
		32	3		1802	1803
		32	4		1804	1805

TwinCONTACT Screwless connection technique.

Looking for quick and easy connection?

You can't miss the MENNEKES TwinCONTACT – a spring terminal in a newly designed receptacle. Remove the insulation, insert the conductors, and you're done. The contact is safely in place and it is even approved as a connection terminal – undo the conductor, that's all it takes. Press the red button and remove the conductor – this is our concept of convenient and time-saving handling.



X-CONTACT The future is now. New generation of contact sleeves.


With less effort


The special design of the X-CONTACT reduces the effort of insertion and withdrawal by up to 50 %. An advantage that simplifies work processes and improves safety especially with high electrical currents. With X-CONTACT, MENNEKES creates a safe contact closure and easy handling at a new, equally high level.





CEE plugs and inlets – 16 A up to 125 A


Other voltages and frequencies available on request. For drawings and dimensions see page 20 - 25.


Plug PowerTOP Xtra with ErgoCONTACT		A	P	110 V	230 V	400 V
	ergonomic enclosure design with nubbed grip zones, rubberised cable gland with sealing	16	3		13502	
		16	4			13506
		16	5			13510
		32	3		13513	
		32	4			13516
	IP54	32	5			13520


Plug PowerTOP Xtra S with SafeCONTACT		A	P	110 V	230 V	400 V
	screwless with insulation displacing technique	16	3		13521	
		16	5			13522
		32	5			13523
	IP54					


Plug AM-TOP		A	P	110 V	230 V	400 V
	single part body, screw terminals	16	3	247		249
		16	4	250	251	
		32	3	259		261
		32	4	262	263	
	IP44					


Plug ProTOP		A	P	110 V	230 V	400 V
	split body, screw terminals	16	3	147A		149A
		16	4		151A	
		32	3	159		
		32	4		163	
	IP44					


Plug AM-TOP		A	P	110 V	230 V	400 V
	single part body, screw terminals	16	3	277	278	279
		16	4	280	281	282
		16	5	286	287	288
		32	3	289	290	291
		32	4	292	293	294
	IP67	32	5	298	299	300


Plug PowerTOP Xtra R with ErgoCONTACT		A	P	110 V	230 V	400 V
	ergonomic enclosure design with nubbed grip zones, mickel plated contact	16	5	13561	13562	13563
		32	5	13582	13583	13584
	IP54					


Plug PowerTOP Xtra		A	P	110 V	230 V	400 V
	with rubberised grip area, for toughest conditions	63	3	13101	13102	
		63	4		13105	13106
		63	5		13111	13112
	IP44					


Plug PowerTOP		A	P	110 V	230 V	400 V
	with external strain relief	16	3	3794	3796	3799
		16	4		3811	3809
		16	5		3819	3823
		32	3		3829	3830
		32	4			3844
	IP67	32	5		3855	3853


Plug PowerTOP Xtra		A	P	110 V	230 V	400 V
	with rubberised grip area, for toughest conditions	63	3	13201	13202	13203
		63	4	13204	13205	13206
		63	5	13210	13211	13212
		125	3	13215	13216	
		125	4	13217	13218	13219
		IP67	125	5	13223	13224


Angled plug		A	P	110 V	230 V	400 V
	* 16 A, 5 p, 230 V and 400 V: VarioTOP	16	3	1410	1411	
		16	4		891	315
		16	5			3980*
		32	3		3306	
		32	4		3646	3987
	IP44	32	5		3424	3266


Wall mounted inlet		Drawing 2 MB 221				
		A	P	110 V	230 V	400 V
	different drawing dimensions for 16 A, 3 p and 4 p	16	3	843	844	
		16	4			800
		16	5			801
		32	3		802	
		32	4			803
		IP44	32	5		


Wall mounted inlet		Drawing 2 MB 32				
		A	P	110 V	230 V	400 V
		16	3	331	332	333
		16	4	334	335	336
		16	5	340	341	342
		32	3	343	344	345
		32	4		347	348
		IP44	32	5	352	353


Panel mounted inlet		Drawing 2 MB 43				
		A	P	110 V	230 V	400 V
	with hinged lid	16	4	392	393	394
		16	5	398	399	400
		32	3		402	403
		32	4		405	406
		IP44	32	5	410	411

Wall mounted inlet		Drawing 2 MB 36				
		A	P	110 V	230 V	400 V
		63	3		1107	1217
		63	4		356	357
		63	5		360	361
		125	4		363	364
		IP67	125	5		367

Panel mounted inlet		Drawing 2 MB 173/2				
		A	P	110 V	230 V	400 V
		16	3		812	
		16	4		837	813
		16	5			815
		32	3	816	817	
		32	4		838	819
		IP44	32	5		

Panel mounted inlet		Drawing 2 MB 155				
		A	P	110 V	230 V	400 V
		63	3		1981	
		63	4		1984	1982
		63	5			1688
	IP44					


Panel mounted inlet		Drawing 2 MB 187/2				
		A	P	110 V	230 V	400 V
		16	3	825	826	
		16	4		839	827
		16	5			829
		32	3	830	831	
		IP67	32	4		840
		32	5			834

Panel mounted inlet		Drawing 2 MB 166				
		A	P	110 V	230 V	400 V
		63	3	835	836	
		63	4		3704	3656
		63	5			3658
		125	3		3665	
		IP67	125	4		3413
		125	5			1983

CEE connectors – 16 A up to 125 A

Other voltages and frequencies available on request.


Connector PowerTOP Xtra with ErgoCONTACT



X-CONTACT, ergonomic enclosure design with nubbed grip zones
IP54

A	P	110 V	230 V	400 V
16	3		14502	
16	4			14506
16	5			14510
32	3		14513	
32	4			14516
32	5			14520


Connector PowerTOP® Xtra S SafeCONTACT



X-CONTACT, screwless with insulation, displacing technique
IP54

A	P	110 V	230 V	400 V
16	3		14521	
16	5			14522
32	5			14523


Connector AM-TOP



single part body, screw terminals
IP44

A	P	110 V	230 V	400 V
16	3	509		511
16	4	512	513	
32	3	521		523
32	4		525	


Connector ProTOP



split body, screw terminals
IP44

A	P	110 V	230 V	400 V
16	3	179A		181A
16	4		193A	
32	3	121		
32	4		125	


Connector AM-TOP



single part body, screw terminals
IP67

A	P	110 V	230 V	400 V
16	3	539	540	541
16	4		543	544
16	5		549	550
32	3	551	552	553
32	4	554	555	556
32	5	560	561	562


Connector PowerTOP Xtra R with ErgoCONTACT



X-CONTACT, ergonomic enclosure design with nubbed grip zones, nickel plates contacts
IP54

A	P	110 V	230 V	400 V
16	5	14561	14562	14563
32	5	14582		14584

Connector PowerTOP Xtra



X-CONTACT, with rubberised grip area, for toughest conditions
IP44

A	P	110 V	230 V	400 V
63	3	14101	14102	
63	4		14105	14106
63	5		14111	14112


Connector PowerTOP



with external strain relief
IP67

A	P	110 V	230 V	400 V
16	3	3859	3860	
16	4		3873	3871
16	5		3883	3881
32	3	3887	3888	
32	4		3899	3897
32	5		3909	3907


Connector PowerTOP Xtra



X-CONTACT, with rubberised grip area, for toughest conditions
IP67

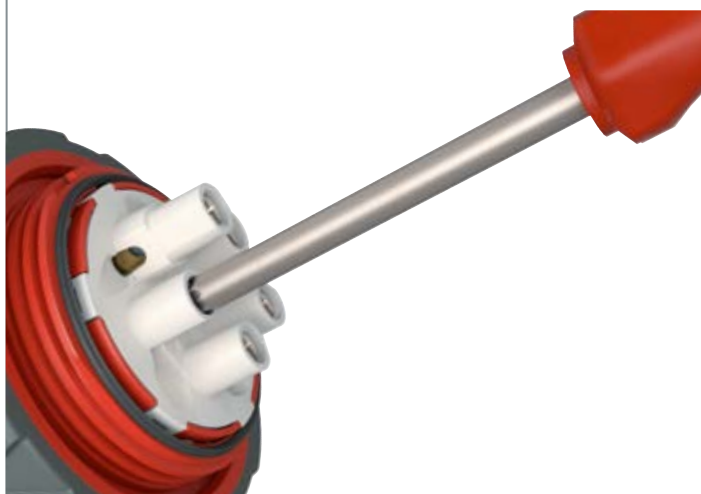
A	P	110 V	230 V	400 V
63	3	14201	14202	14203
63	4	14204	14205	14206
63	5	14210	14211	14212
125	3	14215	14216	
125	4	14217	14218	14219
125	5	14223	14224	14225

Angled connector



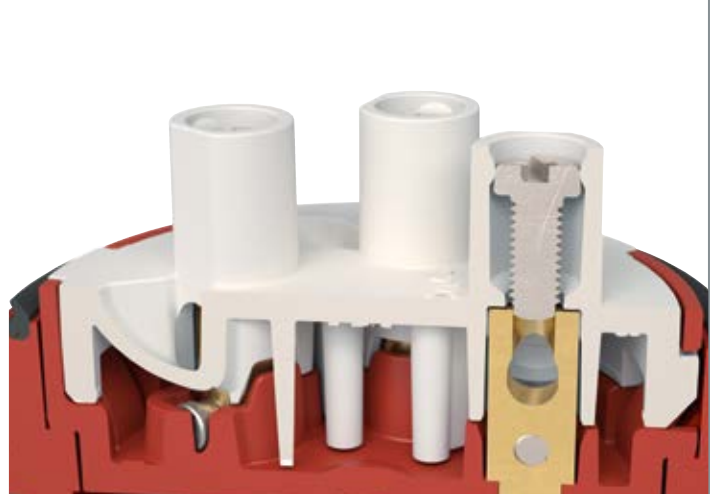
A	P	110 V	230 V	400 V
16	3		1438	

PowerTOP® Xtra 16 A and 32 A with ErgoCONTACT



Ergonomically effective installation

With ErgoCONTACT, you insert the screwdriver from the top instead of from the side. This makes it easier to achieve the required torque and the pressure is applied directly from the grip.




Guide collar

The screw trajectory is additionally supported by a guide collar which prevents slide-off and minimises the danger of injury.

CEE receptacles – 16 A up to 125 A

Receptacles can be padlocked. Other voltages and frequencies available on request. For drawings and dimensions see page 20 - 25.

Wall mounted receptacle Drawing 1 MB 713




X-CONTACT, switched, mechanical DUO-interlock, 3 pole switch

A	P	110 V	230 V	400 V
16	3	5601304G	5601306G	
16	4		5601409G	5601406G
16	5			5601506G
32	3	5603304G	5603306G	
32	4	5603404G	5603409G	5603406G
32	5		5603509G	5603506G

IP44

Wall mounted receptacle Drawing 1 MB 714




X-CONTACT, switched, mechanical DUO-interlock, 3 pole switch

A	P	110 V	230 V	400 V
16	3	5602304G	5602306G	
16	4		5602409G	5602406G
16	5		5602509G	5602506G
32	3	5604304G	5604306G	
32	4		5604409G	5604406G
32	5		5604509G	5604506G

IP67

Wall mounted receptacle Drawing 1 MB 234




X-CONTACT

A	P	110 V	230 V	400 V
63	3		6571	
63	4		5955A	5956A
63	5			5959A

IP44

Wall mounted receptacle Drawing 63 A: 1 MB 180 / 125 A: 1 MB 177




X-CONTACT

A	P	110 V	230 V	400 V
63	3	5925A	5911A	
63	4		5109A	5110A
63	5		5112A	5113A
125	3		7000	
125	4		5887A	5691A
125	5		5888A	5692A

IP67


Wall mounted receptacle Drawing 1 MB 550



A	P	110 V	230 V	400 V
16	3	7602	7603	
16	4			7605
16	5			7607
32	3		7612	
32	4		7613	7614
32	5			7616

IP44

Wall mounted receptacle Drawing 1 MB 551



A	P	110 V	230 V	400 V
16	3	7620	7621	
16	4		7623	7624
16	5			7626
32	3		7629	
32	4			7634
32	5			7636

IP67


Panel mounted receptacle Drawing 5 MB 59



A	P	110 V	230 V	400 V
16	3		7503	
16	4		7504	
16	5			7507
32	3		7512	
32	5			7516

IP44


Panel mounted receptacle Drawing 5 MB 57



A	P	110 V	230 V	400 V
16	3	7520	7521	
16	4			7524
16	5			7526
32	3	7530	7531	
32	4			7534
32	5			7536

IP67

Wall mounted receptacle Drawing 1 MB 208




X-CONTACT, fused, MCB

A	P	110 V	230 V	400 V
16	5			7218
32	4			7219
32	5			7220
63	4			7221
63	5			7222

IP44

Wall mounted receptacle Drawing 1 MB 181



X-CONTACT, fused, MCB

A	P	110 V	230 V	400 V
16	3		7238	
32	4			7241
32	5			7242
63	4			7243
63	5			7244

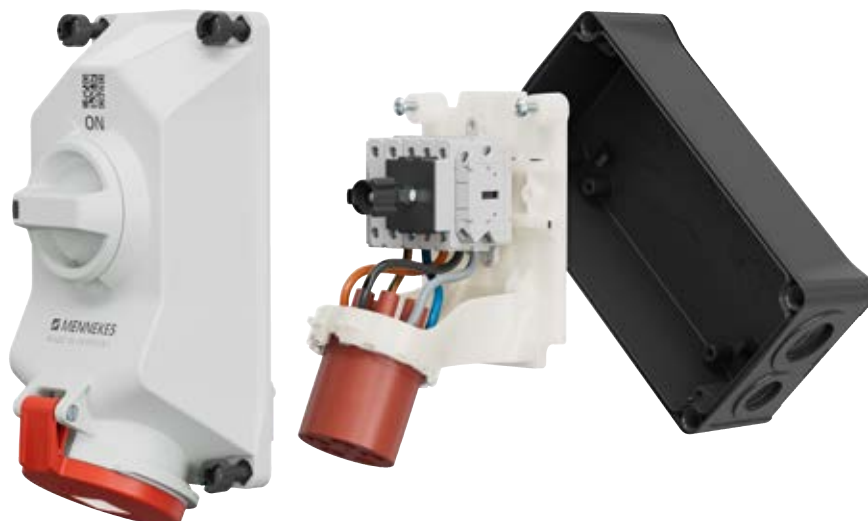
IP67

DUO Switched & Interlocked

We've completely redesigned and optimised this family of receptacles, which come in 16 A and 32 A versions with 3, 4, or 5 poles. The result is a new and improved product with fantastic new features.

Practical mounting plate

The mounting plate is removable for easy cable installation. The receptacle and switch disconnecter are on the mounting plate and come prewired. You can also easily remove the mounting plate with the receptacle and switch as a single unit at any time, for example to place them on a firm surface for maintenance work.



CEE connectors – 16 A up to 125 A

Other voltages and frequencies available on request. For drawings and dimensions see page 20 - 25.

Phase inverter plug AM-TOP
single part body, screw terminals

A	P	110 V	230 V	400 V
16	4		338	339
16	5		318	319
32	4		396	397
32	5			322

IP44

Phase inverter plug AM-TOP
single part body, screw terminals

A	P	110 V	230 V	400 V
16	4		3338	3339
16	5			325
32	4		3340	3341
32	5		327	328

IP67

Phase inverter plug ProTOP
split body, screw terminals

A	P	110 V	230 V	400 V
16	5			3319A
32	5			3322

IP44

Phase inverter VariotOP

A	P	110 V	230 V	400 V
16	5			859

IP44

Wall mounted phase inverter inlet
Drawing 2 MB 221

A	P	110 V	230 V	400 V
16	5			3517
32	5			3523

IP44

Wall mounted phase inverter inlet
Drawing 2 MB 32

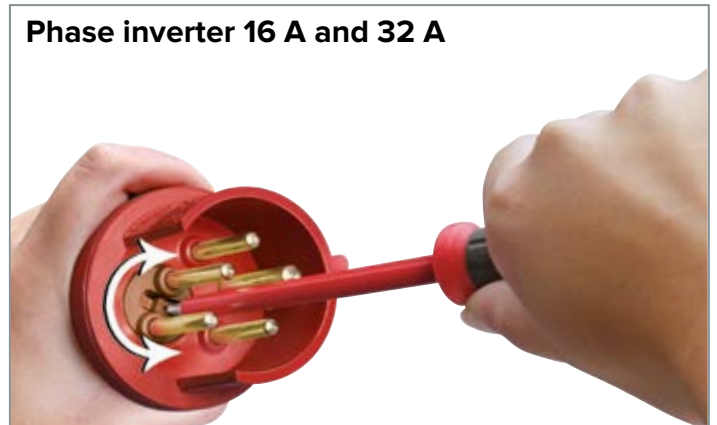
A	P	110 V	230 V	400 V
16	4			3343
16	5			2511
32	4		3345	3346
32	5			2478

IP44

Panel mounted phase inverter inlet
Drawing 2 MB 43

A	P	110 V	230 V	400 V
16	4		3348	3350
16	5			20970
32	4			3356
32	5		3717	21241

IP44



Panel mounted phase inverter inlet
Drawing 2 MB 68/853

A	P	110 V	230 V	400 V
16	5			854

IP44

Wall mounted receptacle
Drawing 1 MB 294

A	P	20 - 25 V 50 a. 60 Hz	40 - 50 V 50 a. 60 Hz	20 - 25 V 40 - 50 V 100-200 Hz
16	2	1825	1831	
16	3	1832	1837	1835
32	2	1838	1844	
32	3	1845	1850	1848

IP44

Wall mounted receptacle
Drawing 1 MB 137

A	P	20 - 25 V 50 a. 60 Hz	40 - 50 V 50 a. 60 Hz	20 - 25 V 40 - 50 V 100-200 Hz
16	2	577	578	
16	3	584	585	
32	2		591	
32	3	597	598	599

IP44

Panel mounted receptacle
Drawing 1 MB 136

A	P	20 - 25 V 50 a. 60 Hz	40 - 50 V 50 a. 60 Hz	20 - 25 V 40 - 50 V 100-200 Hz
16	2	603	604	
16	3	610	611	612
32	2	616	617	
32	3	623	624	625

IP44

Panel mounted receptacle
Drawing 1 MB 231

A	P	20 - 25 V 50 a. 60 Hz	40 - 50 V 50 a. 60 Hz	20 - 25 V 40 - 50 V 100-200 Hz
16	2	1270	2855	
16	3	2845	1272	
32	2	1271	2864	
32	3	2870	1273	2852

IP44

Plug

A	P	20 - 25 V 50 a. 60 Hz	40 - 50 V 50 a. 60 Hz	20 - 25 V 40 - 50 V 100-200 Hz
16	2	629A	630A	
16	3	636A	637A	638A
32	2	642A	643A	
32	3	649A	650A	651A

IP44

Wall mounted inlet
Drawing 2 MB 160

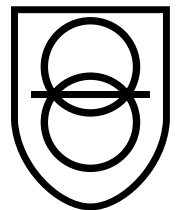
A	P	20 - 25 V 50 a. 60 Hz	40 - 50 V 50 a. 60 Hz	20 - 25 V 40 - 50 V 100-200 Hz
16	2	1955	1961	
16	3	1962	1967	
32	2	1968		
32	3	1975	1980	1978

IP44

Connector

A	P	20 - 25 V 50 a. 60 Hz	40 - 50 V 50 a. 60 Hz	20 - 25 V 40 - 50 V 100-200 Hz
16	2	681A	682A	
16	3	688A	689A	
32	2	694A	695A	
32	3	701A	702A	703A


IP44



CEE plugs and sockets – 7 pole

Highly resistant to chemicals. Other voltages and frequencies available on request. For drawings and dimensions see page 20 - 25.


Wall mounted receptacle Drawing 1 MB 257



A	P	230 V	400 V	500 V
16	7	733	734	1035
32	7	735	736	1040

IP44

Wall mounted receptacle Drawing 1 MB 622




A	P	230 V	400 V	500 V
16	7	9530	9531	9532
32	7	9590	9591	

IP67

Panel mounted receptacle Drawing 1 MB 260

angled 20°




A	P	230 V	400 V	500 V
16	7	737	738	1045
32	7		740	1050

IP44

Panel mounted receptacle Drawing 1 MB 251

angled 20°




A	P	230 V	400 V	500 V
16	7	2883	2459	2296
32	7		2317	2212

IP67

Plug AM-TOP

single part body, screw terminals




A	P	230 V	400 V	500 V
16	7	741	742	1055
32	7	743	744	1060

IP44

Plug AM-TOP


single part body, screw terminals



A	P	230 V	400 V	500 V
16	7	3776	3777	3913
32	7	2405	2324	2213

IP67


Wall mounted inlet Drawing 2 MB 147



A	P	230 V	400 V	500 V
16	7		2166	
32	7		2167	

IP44

Panel mounted inlet Drawing 2 MB 71




A	P	230 V	400 V	500 V
16	7	749	750	1075
32	7		752	1080

IP44

Connector AM-TOP

single part body, screw terminals




A	P	230 V	400 V	500 V
16	7	745	746	1065
32	7	747	748	1070

IP44

Connector AM-TOP

single part body, screw terminals




A	P	230 V	400 V	500 V
16	7	3783	3916	3784
32	7		2255	2460

IP67

Wall mounted receptacle Drawing 1 MB 383

with mechanical DUO-interlock, 3 pole switch, can be padlocked




A	P	230 V	400 V	500 V
16	7		5536	

IP44

Wall mounted receptacle Drawing 1 MB 382

with mechanical DUO-interlock, 3 pole switch, can be padlocked



A	P	230 V	400 V	500 V
16	7		5785	
32	7		6106	

IP67

Plugs and sockets 7 pole for multifunctional applications

These plugs and sockets provide solutions where there are multifunctional requirements in industry, farming and commerce.

This number of poles provides solutions in the following fields:

- Star-delta start-up
- Closed loop control
- Open loop control
- Monitoring
- Detection and alarms
- Clearing alarms
- Electrical interlocking



CEE receptacles – Cepex

Other voltages and frequencies available on request. For drawings and dimensions see page 20 - 25.

Cepex wall mounted receptacle		Drawing 1 MB 312			
A	P	110 V	230 V	400 V	
16	3	4101	4102		
16	4		4254	4103	
16	5			4105	
32	3		4107		
32	4			4108	
32	5			4110	
IP44		SCHUKO®		4970	

Cepex panel mounted receptacle		Drawing 1 MB 315			
A	P	110 V	230 V	400 V	
16	3		4112		
16	4		4233	4113	
16	5			4115	
32	3		4117		
32	4			4118	
32	5			4120	
IP44		SCHUKO®		4971	

Cepex wall mounted receptacle		Drawing 1 MB 317			
A	P	110 V	230 V	400 V	
16	3		4132		
16	4			4133	
16	5			4135	
32	3		4137		
32	5			4140	
IP44		SCHUKO®		4973	

Cepex panel mounted receptacle		Drawing 1 MB 318			
A	P	110 V	230 V	400 V	
16	3		4142		
16	4			4143	
16	5			4145	
32	3		4147		
32	5			4150	
IP44		SCHUKO®		4974	

Cepex wall mounted receptacle		Drawing 1 MB 313			
A	P	110 V	230 V	400 V	
16	3		4162		
16	4			4163	
16	5			4165	
32	3		4167		
32	4			4168	
32	5			4170	
IP44		SCHUKO®		4976	

Cepex panel mounted receptacle		Drawing 1 MB 320			
A	P	110 V	230 V	400 V	
16	3		4172		
16	5			4175	
32	5			4180	
IP44		SCHUKO®		4977	

Cepex panel mounted receptacle		Drawing 1 MB 315			
A	P	110 V	230 V	400 V	
16	5			4262	
32	5			4263	
IP44		SCHUKO®		4979	



Cepex panel mounted receptacle		Drawing 1 MB 318			
A	P	110 V	230 V	400 V	
16	3		4247		
16	4			4273	
16	5			4237	
32	3		4274		
32	4			4275	
32	5			4238	
IP44		SCHUKO®		4980	

Cepex flush mounted receptacle		Drawing 1 MB 336			
A	P	110 V	230 V	400 V	
16	3		4122		
16	5			4125	
32	3		4127		
32	5			4130	
IP44		SCHUKO®		4972	

Flush mounted installation box		Part no.
for Cepex CEE receptacles 16 A and 32 A and Cepex SCHUKO® receptacles		41404

Cepex modular system

Some versions of Cepex panel mounted receptacles are shown on the left. Further versions you can create using Cepex panel mounted receptacles, shown above, in combination with the installation box 41404.


	Cepex SCHUKO® panel mounted receptacle with labelling field	4145
	+	
	flush mounted installation box	41404
	=	
	flush mounted receptacle	

Perfect in every detail - one fits another

Anything goes.

Covers, current rating and colours may be optionally combined: neutral cover, with labelling field, with labelling field and lock, 3 pole, 5 pole and SCHUKO®.





 = Resistant to ball rebound.


All Cepex receptacles with neutral covers meet DIN 18032 standards for ball rebound and are suitable for use in sports facilities and comparable environments.


Plugs and sockets – 200 A - 400 A


Plugs and sockets are available in seawater resistant design on request. Other voltages and frequencies available on request.
For drawings and dimensions see page 20 - 25.


Wall mounted receptacle		A	P	400 V
	with cable gland	200	5	75226
IP67				


Wall mounted receptacle		A	P	400 V
	with cable gland	250	5	75111
		400	4	75026
		400	5	75116
IP67				


Wall mounted receptacle		A	P	400 V
	switched and interlocked	Drawing 1 MB 386		
		200	4	75231
		200	5	75236
IP 55				


Wall mounted receptacle		A	P	400 V
	switched and interlocked	Drawing 1 MB 403/2		
		250	4	75031
		250	5	75121
		400	4	75036
	400	5	75126	
IP 55				


Wall mounted receptacle		A	P	400 V
	switched and electrically interlocked	Drawing 1 MB 387		
		200	5	75276
IP 55				


Wall mounted receptacle		A	P	400 V
	switched and electrically interlocked	Drawing 1 MB 404/2		
		250	5	75441
	400	5	75448	
IP 55				


Panel mounted receptacle		A	P	400 V
		200	4	75241
		200	5	75246
IP67				


Panel mounted receptacle		A	P	400 V
		250	5	75131
		400	4	75046
		400	5	75136
IP67				


Panel mounted receptacle		A	P	400 V
	angled 15°	200	4	75053
		200	5	75058
IP67				


Panel mounted receptacle		A	P	400 V
	angled 15°	250	4	75063
		400	4	75073
		400	5	75078
IP67				


Plug		A	P	400 V
	with cable gland	200	4	75201
		200	5	75206
IP67				


Plug		A	P	400 V
	with cable gland	250	4	75001
		250	5	75091
		400	4	75006
		400	5	75096
IP67				


Inlet		A	P	400 V
	with cable gland	200	5	75256
IP67				

Inlet		A	P	400 V
	with cable gland	400	4	75389
		400	5	75398
IP67				

Panel mounted inlet		A	P	400 V
	angled 15°	200	5	75316
IP67				

Panel mounted inlet		A	P	400 V
	angled 15°	250	4	75321
		250	5	75326
		400	4	75331
		400	5	75336
IP67				

Connector		A	P	400 V
	with cable gland	200	4	75211
		200	5	75216
IP67				


Connector		A	P	400 V
	with cable gland	250	4	75011
		250	5	75101
		400	4	75016
		400	5	75106
IP67				

Plugs and sockets – for reefer containers, SCHUKO® and grounding-type receptacles

For reefer containers: to VDE 0623-2, EN 60309-2. SCHUKO® and French/Belgian standard 16 A, 230 V, 2 p+E. British standard 13 A, 230 V, 2 p+E.

⚡ Highly resistant to chemicals. Other voltages and frequencies available on request. For drawings and dimensions see page 20 - 25.


Wall mounted receptacle Drawing 1 MB 622



IP67

A	P	h	380 - 440 V
32	4	3	9562


Wall mounted receptacle Drawing 1 MB 714



X-CONTACT, switched, with mechanical DUO-interlock, can be padlocked
IP67

A	P	h	380 - 440 V
32	4	3	5704403G


Wall mounted receptacle Drawing 1 MB 181



switched, with mechanical DUO-interlock, DIN rail, can be padlocked
IP67

A	P	h	380 - 440 V
32	4	3	5946A


Panel mounted receptacle Drawing 1 MB 141



straight
IP67

A	P	h	380 - 440 V
32	4	3	2123A


Plug AM-TOP®



single part body, screw terminals
IP67

A	P	h	380 - 440 V
32	4	3	2175B


Phase sequence test plug



earthing contact in the 3 o'clock position, conforming to VDE 0413 part 7
IP44

A	P	h	380 - 440 V
32	4	3	3718


Panel mounted inlet



with hinged lid
IP67

A	P	h	380 - 440 V
32	4	3	2692


Connector AM-TOP®



single part body, screw terminals
IP67

A	P	h	380 - 440 V
32	4	3	2177A


AMAXX® Receptacle combination



switched, with mechanical DUO-interlock, protected by 3 MCB's 32 A, 3 p, C
IP67

A	P	h	380 - 440 V
32	4	3	940027

Panel mounted receptacle SCHUKO® Drawing 1 MB 410



with plug-in terminals or screw terminals, without shutter
IP54

Colour	plug-in terminals	screw terminals
grey	11010	11030
blue	11011	11031
black	11012	11032
red	11013	11033


Panel mounted receptacle SCHUKO® Drawing 1 MB 410



with plug-in terminals or screw terminals, with shutter
IP54

Colour	plug-in terminals	screw terminals
grey	11060	
blue	11061	11081

Panel mounted receptacle SCHUKO® Drawing 1 MB 5861



for portable use, with front gasket, with plug-in terminals or screw terminals, without shutter
IP54

Colour	plug-in terminals	screw terminals
grey	11310	11330
blue	11311	11331
black	11312	11332
red	11313	11333


Wall mounted receptacle SCHUKO® Drawing 1 MB 27/30



with plug-in terminals, without shutter
IP44

Colour	plug-in terminals	screw terminals
grey	10081	
blue	10082	
black	10083	


Panel mounted receptacle SCHUKO® Drawing 1 MB 450



with plug-in terminals or screw terminals, without shutter
IP 20

Colour	plug-in terminals	screw terminals
blue	11511	11531
black	11512	11532


Grounding-type panel mounted receptacle Drawing 1 MB 584



British standard, with screw terminals, with shutter and seal
IP44

Colour	plug-in terminals	screw terminals
blue		10718


Plug SCHUKO®



combined PE-conductor acc. to German and French/Belgian standards, with grommet
IP44

Colour	
grey	10749
black	10754
orange	10837
blue	10838
red	10839
yellow	10840
green	10841

Connector SCHUKO®



with grommet
IP44

Colour	
grey	10751
black	10755
orange	10842
blue	10843
red	10844
yellow	10845
green	10846

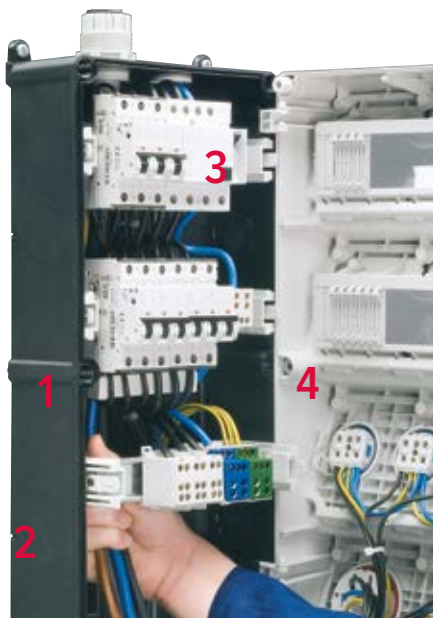
AMAXX® receptacle combinations

Variety of versions

- Protection type: IP44 and IP67
- Enclosure made of high-quality plastic or AMELAN in aggressive atmospheres with high resistance to chemicals as well as highly heat resistant contact carrier and nickel plated contacts
- Equipped with: CEE receptacles from 16 A, 3 p up to 63 A, 5 p, grounding-type receptacles in acc. with many national standards, DUO receptacles switched and interlocked from 16 A, 3 p up to 32 A, 5 p as well as fuse elements



Features and benefits



- Liftable DIN rails**
 Liftable DIN rails and a large, smooth wiring space significantly ease the insertion as well as connection of large cables
- One-man installation**
 Shorter installation times with the new, user-friendly external fixing
- Hinged cover**
 The hinged cover, which opens to one side, eases connection work
- Ready for application**
 All combinations are pre-wired for installation and tested for electric safety and quality



Generally angled insertion direction.



Especially fast opening and closing of the enclosure due to captive doublethreaded cover screws.



Both hands free because inspection windows fold downwards.



Window can be locked with a padlock, enclosure can be sealed.

Standard for low voltage switchgear and control gear assemblies - IEC 61439

The standard IEC 61439 replaces IEC 60439 and describes the design and test specifications for low-voltage switchgear and control gear assemblies. The standard has implications for the distribution of electrical energy in industry, domestic electrical installations and on construction sites.

In the future two main standards will be required for each design of a low-voltage switchgear and control gear assembly:

- the basic standard that is referenced as „Part 1“ in the specific standards.
- the applicable parts 2 to 7 of the switchgear and control gear assembly standard that deals with the particularities of the application.

The demands imposed on receptacle combinations that must be classified as a switchgear and control gear assembly have changed. Structure and manner of verification have been redefined.

What has changed with the switchgear standard - IEC 61439 and what are the benefits for the MENNEKES customer?

• Product safety

In the future, all low-voltage switchgear and control gear assemblies must be tested in accordance with IEC 61439. The requirement of design verification is new. Design verification replaces the type test. MENNEKES receptacle combinations are subjected to additional standard-compliant routine tests. The outgoing circuits are individually loaded with the respective rated current.

Your advantage: This guarantees an even higher standard of safety.

• Clear documentation

Significant rating plate – clearly defined mandatory information, such as rated diversity factor RDF (previously: simultaneity factor).

Your advantage: The main technical product information is visible on the rating plate at a glance.

• Clear specifications

Requests for a custom solution require clearly defined specifications by the user (such as installation site, ambient temperatures, etc.).

Your advantage: You get a need-based solution by MENNEKES tailored to the specific application.

• Distinction

Original manufacturer - manufacturer
If a product is modified on site, the company in question is considered to be the manufacturer. In this case a new verification and documentation are required from this company.

Your advantage: For receptacle combinations that are ready for connection, MENNEKES is the original manufacturer and manufacturer and therefore bears the complete product responsibility.

Example – rating plate

<p>I_{nA} Rated current of the switchgear and control gear assembly</p>		<p>RDF Rated diversity factor</p>
<p>U_n Rated voltage</p>		<p>I_{cc} Conditional rated short-circuit current</p>
<p>f_n Rated frequency</p>		<p>Protection class</p>
		<p>IP Ingress protection</p>

For further information please visit our website: www.MENNEKES.org



AMAXX® receptacle combinations

Pre-wired for installation, IP44. Enclosure front cover electric grey RAL 7035 (standard), yellow (GE) RAL 1021 or silver (SI) RAL 9006, hinged to the side, fusing behind a transparent cover.



Receptacles

2 CEE 16 A, 5 p, 400 V switched, with mechanical DUO-interlock

Fusing

2 MCB's 16 A, 3 p, C

Connection/feeder cable

for 2 cables up to 5 x 25 mm²

Connection and load values

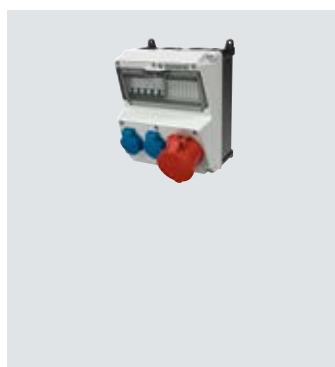
Pre-fuse max. 100 A
InA 32 A
RDF 1

Enclosure size

390 x 225 mm (H x W)

Part no.

930031 IP44



Receptacles

1 CEE 32 A, 5 p, 400 V
2 SCHUKO® 16 A, 230 V

Fusing

1 MCB 32 A, 3 p, C
2 MCB's 16 A, 1 p, C

Connection/feeder cable

for 1 cable up to 5 x 10 mm²

Connection and load values

Pre-fuse max. 63 A
InA 48 A
RDF 1

Enclosure size

260 x 225 mm (H x W)

Part no.

920011 IP44



Receptacles

1 CEE 32 A, 5 p, 400 V
1 CEE 16 A, 5 p, 400 V
3 SCHUKO® 16 A, 230 V

Fusing

1 MCB 32 A, 3 p, C
1 MCB 16 A, 3 p, C
3 MCB's 16 A, 1 p, C

Connection/feeder cable

for 2 cables up to 5 x 25 mm²

Connection and load values

Pre-fuse max. 63 A
InA 54 A
RDF 0.85

Enclosure size

390 x 225 mm (H x W)

Part no.

930011 IP44



Receptacles

1 CEE 32 A, 5 p, 400 V
1 CEE 16 A, 5 p, 400 V
6 SCHUKO® 16 A, 230 V

Fusing

1 RCD 63 A, 4 p, 0.03 A
1 MCB 32 A, 3 p, C
1 MCB 16 A, 3 p, C
6 MCB's 16 A, 1 p, C

Connection/feeder cable

for 2 cables up to 5 x 25 mm²

Connection and load values

Pre-fuse max. 63 A
InA 52 A
RDF 0.65

Enclosure size

650 x 225 mm (H x W)

Part no.

950004 IP44



Receptacles

1 CEE 63 A, 5 p, 400 V
1 CEE 32 A, 5 p, 400 V
1 CEE 16 A, 5 p, 400 V
4 x French / Belgian standard 16 A, 2 p+E, 230 V

Fusing

1 RCD 63 A, 4 p, 0.03 A
1 MCB 32 A, 3 p+N, C
1 MCB 16 A, 3 p+N, C
4 MCB's 16 A, 1 p+N, C

Connection/feeder cable

for 2 cables up to 5 x 25 mm²

Connection and load values

Pre-fuse max. 63 A
InA 63 A
RDF 0.5

Enclosure size

650 x 225 mm (H x W)

Part no.

950022 IP44



Receptacles

1 CEE 16 A, 5 p, 400 V
3 SCHUKO® 16 A, 230 V

Fusing

1 RCD 40 A, 4 p, 0.03 A
1 MCB 16 A, 3 p, C
3 MCB's 16 A, 1 p, C

Connection/feeder cable

for 2 cables up to 5 x 25 mm²

Connection and load values

Pre-fuse max. 100 A
InA 32 A
RDF 1

Enclosure size

390 x 225 mm (H x W)

Part no.

930022 IP67



Receptacles

2 CEE 32 A, 5 p, 400 V
2 CEE 16 A, 4 p, 400 V
3 CEE 16 A, 3 p, 230 V

Fusing

1 MCB 32 A, 3 p+N, C
1 MCB 16 A, 3 p, C
1 MCB 16 A, 1 p+N, C

Connection/feeder cable

for 2 cables up to 5 x 25 mm²

Connection and load values

Pre-fuse max. 100 A
InA 45 A
RDF 0.45

Enclosure size

520 x 225 mm (H x W)

Part no.

940028 IP67



Receptacles

2 CEE 32 A, 5 p, 400 V switched with mechanical DUO-interlock
2 CEE 16 A, 5 p, 400 V

Fusing

1 RCD 63 A, 4 p, 0.03 A
2 MCB's 32 A, 3 p, C
2 MCB's 16 A, 3 p, C

Connection/feeder cable

for 1 cable up to 5 x 16 mm²

Connection and load values

Pre-fuse max. 63 A
InA 58 A
RDF 0.6


Enclosure size





650 x 225 mm (H x W)

Part no.

900946 IP67

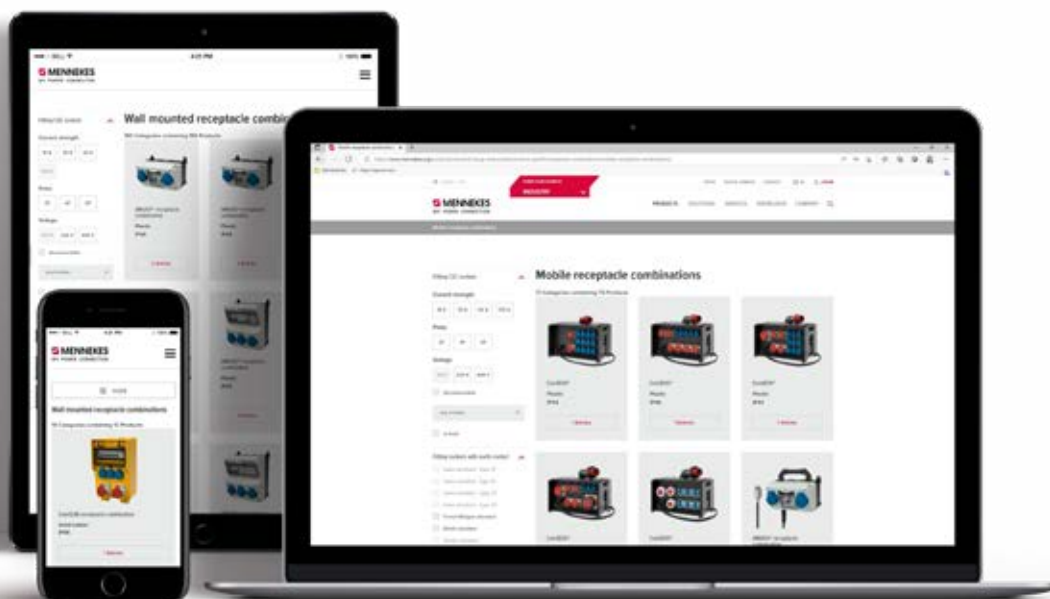
AMAXX® receptacle combinations

Pre-wired for installation, IP44 or IP67. Enclosure front cover electric grey RAL 7035 (standard), yellow (GE) RAL 1021 or silver (SI) RAL 9006 or AMELAN  grey RAL 7000, hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm), fusing behind a transparent cover.

			
Receptacles 2 CEE 16 A, 3 p, 230 V	Receptacles 1 CEE 32 A, 5 p, 400 V 1 CEE 16 A, 5 p, 400 V 3 SCHUKO® 16 A, 230 V 1 Cepex RJ45, 2 fold Cat.6	Receptacles 3 SCHUKO® 16 A, 230 V	Receptacles 1 CEE 32 A, 5 p, 400 V 1 CEE 16 A, 5 p, 400 V 3 x British standard 13 A, 2 p+E, 230 V
Fusing 1 RCD 25 A, 2 p, 0.03 A	Fusing 1 RCD 40 A, 4 p, 0.03 A 1 MCB 16 A, 3 p, C 3 MCB's 16 A, 1 p, C	Fusing	Fusing 1 RCD 40 A, 4 p, 0.03 A 1 MCB 16 A, 3 p, C 3 MCB's 13 A, 1 p, C
Connection/feeder cable for 1 cable up to 3 x 10 mm ²	Connection/feeder cable for 1 cable up to 5 x 10 mm ²	Connection/feeder cable 1.5 m H07RN-F3G1.5 with plug SCHUKO® 16 A, 230 V	Connection/feeder cable 2 m supply H07RN-F5G4 with CEE plug 32 A, 5 p, 400 V
Connection and load values Pre-fuse max. 16 A InA 25 A RDF 1	Connection and load values Pre-fuse max. 32 A InA 32 A RDF 1	Connection and load values	Connection and load values InA 32 A RDF 1
Enclosure size 260 x 225 mm (H x W)	Enclosure size 260 x 225 mm (H x W)	Enclosure size 130 x 225 mm (H x W)	Enclosure size 390 x 225 mm (H x W)
Part no. 920821	Part no. 970005GE	Part no. 910031	Part no. 931237
IP67	IP44	IP44	IP44

Receptacle combinations for every requirement

MENNEKES offers more than 190 different receptacle combinations including our best-selling AMAXX® range, the EverGUM range with solid rubber enclosures, and stainless steel combinations. All combinations can be individually fitted with receptacles in 16 to 63 A, always custom made for your business or industry. We only use high-grade materials for our receptacle combinations, making them especially robust and enduring even in rough working environments. Scan the QR code below to search through our entire range of combinations.



Receptacle combinations for versatile use

EverGUM receptacle combinations with solid rubber enclosures

With the EverGUM range MENNEKES provide a solid rubber alternative to enclosures in plastic and sheet steel. This is 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. These products can also be supplied to conform to the standards of other European countries.

Wall mounted, enclosure

380 x 230 mm (H x W) or
380 x 320 mm (H x W)
(size without receptacles)



Receptacle strip, enclosure

445 x 135 mm (H x W)
(size without receptacles)



Portable, enclosure

306 x 230 x 288 mm (H x W x D)
(size without receptacles)



Portable, with feeder cable, enclosure

360 x 340 x 330 mm (H x W x D)
(size without receptacles)



EverBOX mobile distributor

The new mobile receptacle combinations are available in a variety of assembly fittings. The robust, stackable insulating enclosure are ideally suited for indoor and outdoor use. Available in IP44 and IP67.

Enclosure

560 x 350 x 340 mm (H x W x D)
(size without receptacles)



AirKRAFT and 3KRAFT for ceilings and floors



AirKRAFT enclosure

400 x 229 x 220 mm
(H x W x D)
(size without receptacles)



3KRAFT enclosure

240-264 x 152 mm
(diam. x H)
(size without receptacles)

Three colours: Signal yellow, red or silver.

AirKRAFT. Up to four receptacles, or data, or light, plus compressed air, plus fusing. Ready for connection or with supply cable and plug.

3KRAFT. Equipped to suit your requirements: Up to three receptacles, or data, plus compressed air. Ready for connection or with supply cable and plug.

DELTA-BOX the classic unit


With cable grip. Each DELTA-BOX comes with a suspension bracket. Available in IP44, IP67 and IP68.

Enclosure

114 x 160 x 97 mm (H x W x D)
(size without receptacles)



Receptacle combinations for versatile use




The image shows two stainless steel electrical receptacle combinations. The one on the left is a surface-mounted unit with its door open, revealing internal components and a red plug. The one on the right is a flush-mounted unit, also with its door open, showing a red plug and a blue plug inserted into the receptacles. Both units have a cable guard aperture at the bottom.

Stainless steel surface mounted and flush mounted receptacle combinations

Safe. Practical. Timelessly elegant.

- Protection type IP 43 or IP44 with closed door, even when plugs are inserted
- The cable guard aperture is sufficiently dimensioned for leading through cables
- Safety lock protects against unauthorised access



The image displays two rugged steel power posts. The one on the left is red and has a red cap. The one on the right is grey and has a grey cap. Both posts have a door that is open, revealing internal electrical components and a red plug. The posts are designed for outdoor use and are protected against vandalism.

Power posts rugged. Vandalism-proof

Steel power posts provide a safe means of energy supply, protection against car-crossing. Hot-dip galvanised and powder coated. Available in various sizes.



The image shows two CombiTOWER receptacle combinations. The one on the left is silver and the one on the right is yellow. Both units are tall and narrow, with a door that is open, revealing internal components and a red plug. The units are designed for outdoor and indoor use and provide a short route to the energy source.

CombiTOWER outdoors and indoors

Short routes to your energy source for industry, workshops, assembly shops, loading platforms, etc.

Drawings and dimensions

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

1 MB 27/30

Drawing 1 MB 27/30
Dim. in mm

1 MB 43

Drawing 1 MB 43

Dim. in mm	Amp. Poles	16			32		
		4	5	3	4	5	
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		144	145	158	158	160	
M		25	25	32	32	32	
M*		2x25 (blind) to be cut out			2x25 (blind) to be cut out		
Max. cable diam. (mm)		18	18	18/25	18/25	18/25	
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	2.5	2.5	2.5	
		-4	-4	-10	-10	-10	

1 MB 112

Drawing 1 MB 112

Dim. in mm	Amp. Poles	63		
		3	4	5
a		170	170	170
b		118	118	118
c		175	175	175
d		134.5	134.5	134.5
e		103	103	103
f		6.1	6.1	6.1
g		6	6	6
h		219	219	219
M		40	40	40
M*		2x40 (blind) to be cut out		
Max. cable diam. (mm)		27	27	27
Terminal for cond. cross section (mm²) min.-max.		-25	-25	-25

1 MB 136

Drawing 1 MB 136

Dim. in mm	Amp. Poles	16			32		
		2	3	2	3		
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		
Terminal for cond. cross section (mm²) min.-max.		-10	-10	-10	-10		

1 MB 137

Drawing 1 MB 137

Dim. in mm	Amp. Poles	16		32	
		2	3	2	3
a		128	128	128	128
b		84	84	84	84
c		120	120	120	120
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 diam. (mm)		18	18	25	25
Terminal for cond. cross section (mm²) min.-max.		4	4	4	4
		-2x6	-10	-2x6	-10

1 MB 141

Drawing 1 MB 141

Dim. in mm	Amp. Poles	16			32		
		3	4	5	3	4	5
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		31	32	32	39	39	39
l		43	52	54	58	58	65
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-10	-10	-10

1 MB 162

Drawing 1 MB 162

Dim. in mm	Amp. Poles	125	
		4	5
a		264	264
b		163	163
c		200	200
d		240	240
e		140	140
f		8.1	8.1
g		8	8
h		306	306
M		50	50
M*		50	50
Max. cable diam. (mm)		38	38
Terminal for cond. cross section (mm²) min.-max.		25	25
		-35	-35

1 MB 163

Drawing 1 MB 163

Dim. in mm	Amp. Poles	125	
		4	5
a		460	460
b		260	260
c		234	234
d		434	434
e		234	234
f		11	11
g		9	9
h		519	519
M		63	63
M*		2x63	2x63
Max. cable diam. (mm)		44	44
Terminal for cond. cross section (mm²) min.-max.		25	25
		-70	-70

1 MB 177

Drawing 1 MB 177

Dim. in mm	Amp. Poles	125		
		3	4	5
a		460	460	460
b		260	260	260
c		270	270	270
d		434	434	434
e		234	234	234
f		11	11	11
g		9	9	9
h		519	519	519
M		63	63	63
M*		2x63	2x63	2x63
Max. cable diam. (mm)		44	44	44
Terminal for cond. cross section (mm²) min.-max.		25	25	25
		-70	-70	-70

1 MB 180

Drawing 1 MB 180

Dim. in mm	Amp. Poles	63		
		3	4	5
a		260	260	260
b		160	160	160
c		198	198	198
d		240	240	240
e		140	140	140
f		8.1	8.1	8.1
g		8	8	8
h		303	303	303
M		40	40	40
M*		2 x 40 2 x 40 2 x 40		
Max. cable diam. (mm)		27	27	27
Terminal for cond. cross section (mm²) min.-max.		6	6	6
		-25	-25	-25

1 MB 181

Drawing 1 MB 181

Dim. in mm	Amp. Poles	16					32				
		3	4	5	4	5	3	4	5	4	5
a		364	364	364	364	364	364	364	364	364	364
b		134	134	134	134	134	134	134	134	134	134
c		160	162	163	168	168	168	168	168	168	168
d		347	347	347	347	347	347	347	347	347	347
e		117	117	117	117	117	117	117	117	117	117
f		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
g		8	8	8	8	8	8	8	8	8	8
h		391	395	398	408	411	408	411	408	411	411
M		32/40	32/40	32/40	32/40	32/40	32/40	32/40	32/40	32/40	32/40
M*		2x32	2x32	2x32	2x32	2x32	2x32	2x32	2x32	2x32	2x32
Max. cable diam. (mm)		27	27	27	27	27	27	27	27	27	27
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
		-4	-4	-4	-10	-10	-10	-10	-10	-10	-10

1 MB 207

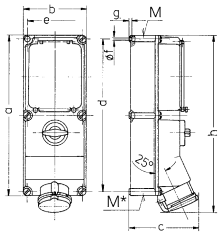
Drawing 1 MB 207

Dim. in mm	Amp. Poles	16					32				
		3	4	5	3	4	5	3	4	5	
a		225	225	225	225	225	225	225	225	225	225
b		118	118	118	118	118	118	118	118	118	118
c		144	146	147	152	152	152	152	152	152	152
d		208	208	208	208	208	208	208	208	208	208
e		101	101	101	101	101	101	101	101	101	101
f		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
g		8	8	8	8	8	8	8	8	8	8
h		252	255	259	268	268	268	268	268	274	274
M		1xM25 and 1xM32					1xM25 and 1xM32				
M*		2x25 2x25 2x25					2x25 2x25 2x25				
Max. cable diam. (mm)		25	25	25	25	25	25	25	25	25	25
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
		-4	-4	-4	-10	-10	-10	-10	-10	-10	-10

Drawings and dimensions

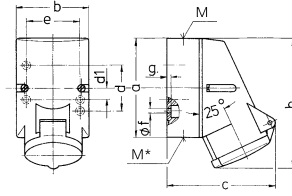
The sizes for the entries on the drawings can be different to the real existing entry sizes. Subject to modification and amendments without prior notice. Errors and omissions excepted.

1 MB 208



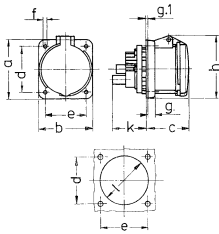
Drawing 1 MB 208	Amp. Poles	16			32		63	
		3	4	5	4	5	4	5
Dim. in mm	a	364	364	364	364	364	460	460
	b	134	134	134	134	134	180	180
	c	160	162	163	168	168	195	195
	d	347	347	347	347	347	440	440
	e	117	117	117	117	117	160	160
	f	6.3	6.3	6.3	6.3	6.3	8.1	8.1
	g	8	8	8	8	8	8	8
	h	391	395	398	408	411	502	502
	M	32/40	32/40	32/40	32/40	32/40	40	40
	M*	2x32	2x32	2x32	2x32	2x32	2x40	2x40
Max. cable diam. (mm)		27	27	27	27	27	27	27
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	6	6
		-4	-4	-4	-10	-10	-25	-25

1 MB 209



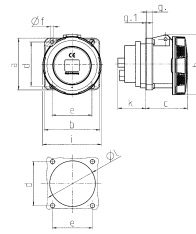
Drawing 1 MB 209	Amp. Poles	16		
		3	4	5
Dim. in mm	a	87	100	100
	b	64	75	75
	c	99	110	113
	d	40	-	-
	d1	-	11	11
	e	50	59	59
	f	4.5	5	5
	g	4	4	4
	h	115	125	128
	M	20	20	20
	M*	M20 (blind) to be cut out		
Max. cable diam. (mm)		15	15	15
Terminal for cond. cross section (mm²) min.-max.		-4	-4	-4

1 MB 211



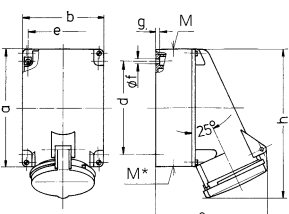
Drawing 1 MB 211	Amp. Poles	63		
		3	4	5
Dim. in mm	a	107	107	107
	b	100	100	100
	c	80	80	80
	d	85	85	85
	e	77	77	77
	f	6	6	6
	g	12	12	12
	g.1	2	2	2
	h	113	113	113
	k	55	55	55
	l	88	88	88
Terminal for cond. cross section (mm²) min.-max.		-25	-25	-25

1 MB 212/1 MB 258



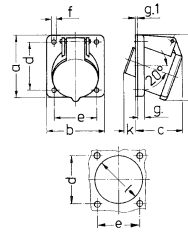
Drawing 1 MB 212/258	Amp. Poles	63			125	
		3	4	5	4	5
Dim. in mm	a	107	107	107	130	130
	b	100	100	100	130	130
	c	81	81	81	119	119
	d	85	85	85	104	104
	e	77	77	77	104	104
	f	6	6	6	6.5	6.5
	g	12	12	12	18	18
	g.1	2	2	2	2	2
	h	117	117	117	129	129
	i	113	113	113	126	126
	k	55	55	55	43	43
	l	88	88	88	95	95
Terminal for cond. cross section (mm²) min.-max.		-25	-25	-25	-25	-25
		-70	-70	-70	-70	-70

1 MB 213



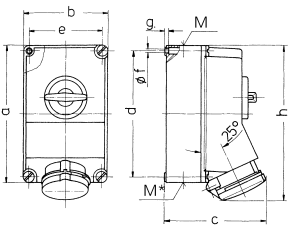
Drawing 1 MB 213	Amp. Poles	63		
		3	4	5
Dim. in mm	a	170	170	170
	b	118	118	118
	c	164	164	164
	d	134.5	134.5	134.5
	e	103	103	103
	f	6.1	6.1	6.1
	g	6	6	6
	h	216	216	216
	M	40	40	40
	M*	2xM40 (blind) to be cut out		
Max. cable diam. (mm)		32	32	32
Terminal for cond. cross section (mm²) min.-max.		6	6	6
		-25	-25	-25

1 MB 231



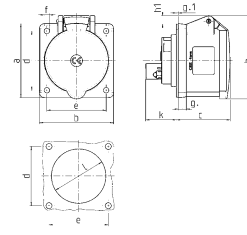
Drawing 1 MB 231	Amp. Poles	16		32	
		2	3	2	3
Dim. in mm	a	68	68	68	68
	b	62	62	62	62
	c	42	42	42	42
	d	53	53	53	53
	e	47	47	47	47
	f	4.5	4.5	4.5	4.5
	g	8	8	8	8
	g.1	2	2	2	2
	h	72	72	72	72
	k	32	32	32	32
	l	55	55	55	55
Terminal for cond. cross section (mm²) min.-max.		4	4	4	4
		-10	-10	-10	-10

1 MB 234



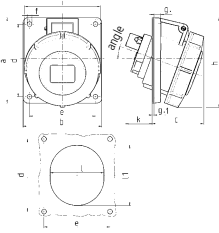
Drawing 1 MB 234	Amp. Poles	63		
		3	4	5
Dim. in mm	a	264	264	264
	b	163	163	163
	c	192	192	192
	d	240	240	240
	e	140	140	140
	f	8.1	8.1	8.1
	g	8	8	8
	h	300	300	300
	M	40	40	40
	M*	2x40		
Max. cable diam. (mm)		27	27	27
Terminal for cond. cross section (mm²) min.-max.		6	6	6
		-25	-25	-25

1 MB 247



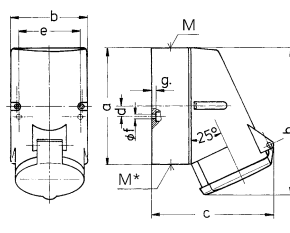
Drawing 1 MB 247	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	75	75	75	75	75	75
	b	75	75	75	75	75	75
	c	53	53	55	64	64	65
	d	60	60	60	60	60	60
	e	60	60	60	60	60	60
	f	5.5	5.5	5.5	5.5	5.5	5.5
	g	8	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	75	80	83	89	89	100
	h.1	6	6	6	11	11	12
	k	31	32	39	39	39	39
	l	43	52	54	58	58	62
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-10	-10	-10

1 MB 251



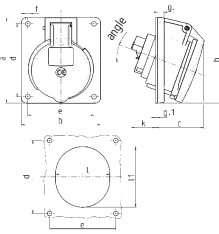
Drawing 1 MB 251	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	73.5	100	100	100	100	100
	b	64	92	92	92	92	92
	c	52	60	62	62	64	66
	d	60	85	85	85	85	85
	e	52	77	77	77	77	77
	f	5.5	5.5	5.5	5.5	5.5	5.5
	g	8	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	84	100	105	105	109	109
	i	78	85	96	96	103	103
	k	43	32	32	39	53	53
	l	52	55	65	65	67	72
	l1	60	63	72	72	82	85
	o	20°	20°	20°	20°	20°	20°
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-10	-10	-10

1 MB 257



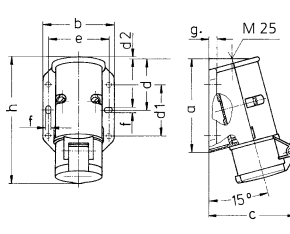
Drawing 1 MB 257	Amp. Poles	16		32	
		7		7	
Dim. in mm	a	128		128	
	b	84		84	
	c	124		138	
	d	11		11	
	e	68		68	
	f	5.3		5.3	
	g	4		4	
	h	145		160	
	M	25		32	
	M*	(blind) to be cut out 2x25		(blind) to be cut out 2x25	
Max. cable diam. (mm)		18		25	
Terminal for cond. cross section (mm²) min.-max.		1.5		2.5	
		-4		-10	

1 MB 260



Drawing 1 MB 260	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	73.5	100	100	100	100	100
	b	64	92	92	92	92	92
	c	50	59	58	58	62	61
	d	60	85	85	85	85	85
	e	52	77	77	77	77	77
	f	5.5	5.5	5.5	5.5	5.5	5.5
	g	7	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	79	100	100	103	103	106
	k	44	34	34	40	54	49
	l	52	55	65	65	67	72
	l1	60	63	72	72	82	85
	o	20°	20°	20°	20°	20°	20°
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-10	-10	-10

1 MB 294



Drawing 1 MB 294	Amp. Poles	16		32	
		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		

Drawings and dimensions

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

1 MB 297

Drawing 1 MB 297	Amp. Poles	63		
		3	4	5
Dim. in mm	a	110	110	110
	b	106	106	106
	c	82	82	82
	d	85	85	85
	e	77	77	77
	f	6.5	6.5	6.5
	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°
Terminal for cond. cross section (mm²) min.-max.		6	6	6
		-25	-25	-25

1 MB 298/1 MB 601

Drawing 1 MB 298 1 MB 601	Amp. Poles	63			125		
		3	4	5	3	4	5
Dim. in mm	a	110	110	110	114	114	114
	b	106	106	106	110	110	110
	c	85	85	85	75	75	75
	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	128	128	128	133	133	133
	i	113	113	113	126	126	126
	k	67	67	67	103	103	103
	l	92	92	92	94	94	94
	lt	98	98	98	107	107	107
	<	20°	20°	20°	15°	15°	15°
Terminal for cond. cross section (mm²) min.-max.		6	6	6	25	25	25
		-25	-25	-25	70	70	70

1 MB 312

Drawing 1 MB 312	Amp. Poles	16			32		
		3	4	5	3	4	5
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
	y	25.5	25.5	25.5	25.5	25.5	25.5
	M	25x1.5	25x1.5	25x1.5	25x1.5	25x1.5	25x1.5
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-6	-6	-6

1 MB 313

Drawing 1 MB 313	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	93	93	93	93	93	93
	b	90	90	90	90	90	90
	c	90	90	90	102	102	102
	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	36	36	36	36	36	36
	y	25.5	25.5	25.5	25.5	25.5	25.5
	M	25x1.5	25x1.5	25x1.5	25x1.5	25x1.5	25x1.5
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-6	-6	-6

1 MB 315

Drawing 1 MB 315	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	k	32	32	32	48	48	48
	l	50	60	67	65	65	73
	m	-	-	-	70	70	76
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-6	-6	-6

1 MB 317

Drawing 1 MB 317	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	93	93	93	93	93	93
	b	90	90	90	90	90	90
	c	88	88	88	100	100	100
	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	34	34	34	34	34	34
	y	25.5	25.5	25.5	25.5	25.5	25.5
	M	25x1.5	25x1.5	25x1.5	25x1.5	25x1.5	25x1.5
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-6	-6	-6

1 MB 318

Drawing 1 MB 318	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	k	32	32	32	48	48	48
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-6	-6	-6

1 MB 320

Drawing 1 MB 320	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	k	32	32	32	48	48	48
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-6	-6	-6

1 MB 336

Drawing 1 MB 336	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	93	93	93	93	93	93
	b	90	90	90	90	90	90
	c	95	95	95	95	95	95
	h	111	111	111	111	111	111
	i	124	124	124	124	124	124
	k	33	33	33	33	33	33
	n	91	91	91	91	91	91
	o	95	95	95	95	95	95
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-6	-6	-6

1 MB 382

Drawing 1 MB 382	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm	a	225	225	225	225
	b	118	118	118	118
	c	147	147	153	153
	d	208	208	208	208
	e	101	101	101	101
	f	6.3	6.3	6.3	6.3
	g	8	8	8	8
	h	259	274	274	274
	M	1x25 and 1x32	1x25 and 1x32	1x25 and 1x32	1x25 and 1x32
	M*	2x25	2x25	2x25	2x25
Max. cable diam. (mm)		25	25	25	25
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	2.5	2.5
		-4	-4	-10	-10

1 MB 383

Drawing 1 MB 383	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm	a	225	225	225	225
	b	118	118	118	118
	c	141	146	146	146
	d	208	208	208	208
	e	101	101	101	101
	f	6.3	6.3	6.3	6.3
	g	8	8	8	8
	h	254	264	264	264
	M	1x32 and 1x25	1x32 and 1x25	1x32 and 1x25	1x32 and 1x25
	M*	2x25	2x25	2x25	2x25
Max. cable diam. (mm)		25	25	25	25
Terminal for cond. cross section (mm²) min.-max.		1.5	1.5	2.5	2.5
		-4	-4	-10	-10

1 MB 386 **1 MB 387**

Dim. in mm.	1 MB 386			1 MB 387		
	350	285	235	350	272	235
	310	235	52	310	235	52
	ø20-65	ø11	52	ø20-65	ø11	52
	580	610	134	580	610	134
	80	115	15	80	115	15

Drawings and dimensions

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

1 MB 403/2

Dim. in mm.

1 MB 404/2

Dim. in mm.

1 MB 410

Installation dimensions in mm

Drawing 1 MB 410

Dim. in mm

1 MB 450

Drawing 1 MB 450	Dim. A
Dim. in mm	
SCHUKO	18.3
French/Belgian standards	15.8
Danish standards	15.8

Dim. in mm	16			32		
	3	4	5	3	4	5
a	85	85	85	85	85	85
b	85	85	85	85	85	85
c	53	57	57	60	60	67
d	70	70	70	70	70	70
e	5.5	5.5	5.5	5.5	5.5	5.5
f	8	8	8	8	8	8
g	2	2	2	2	2	2
g.1	89	96	101	103	103	110
h	39	34	33	53	53	41
k	57	64	70	78	78	78
l min.	78	78	78	78	78	78
l max.	78	78	78	78	78	78
Terminal for cond. cross section (mm ²) min.-max.	1.5	1.5	1.5	2.5	2.5	2.5
	-4	-4	-4	-10	-10	-10

1 MB 452

Dim. in mm	16			32		
	3	4	5	3	4	5
a	85	85	85	85	85	85
b	85	85	85	85	85	85
c	57	59	60	68	68	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	2	2	2	2	2	2
h	87	91	99	105	105	110
i	78	85	96	103	103	110
k	39	34	33	53	53	41
l min.	57	64	70	78	78	78
l max.	78	78	78	78	78	78
Terminal for cond. cross section (mm ²) min.-max.	1.5	1.5	1.5	2.5	2.5	2.5
	-4	-4	-4	-10	-10	-10

l min. - max.

1 MB 453

Dim. in mm	16			32		
	3	4	5	3	4	5
a	85	85	85	85	85	85
b	85	85	85	85	85	85
c	53	57	57	60	60	67
d	70	70	70	70	70	70
e	5.5	5.5	5.5	5.5	5.5	5.5
f	8	8	8	8	8	8
g	2	2	2	2	2	2
g.1	89	96	101	103	103	110
h	39	34	33	53	53	41
k	57	64	70	78	78	78
l min.	78	78	78	78	78	78
l max.	78	78	78	78	78	78
Terminal for cond. cross section (mm ²) min.-max.	1.5	1.5	1.5	2.5	2.5	2.5
	-4	-4	-4	-10	-10	-10

l min. - max.

1 MB 463

Dim. in mm	16			32		
	3	4	5	3	4	5
a	95	93	92.5	102	102	102
b	73.5	87.5	87.5	94	94	94
c	93	107.5	110	115.5	115.5	119.5
d	55.5	55.5	55.5	62	62	62
e	61	76	76	84	84	84
f1	5.3	5.3	5.3	5.1	5.1	5.1
f2	5.3	5.3	5.3	5.1	5.1	5.1
h	139	139	136.5	160	160	156.5
i	19.8	21.5	21.5	26.5	26.5	26.5
M	M20x	M25x	M25x	M25x	M32x	M32x
l min.	1.5	1.5	1.5	1.5	1.5	1.5
l max.	1.5	1.5	1.5	2.5	2.5	2.5
Terminal for cond. cross section (mm ²) min.-max.	-4	-4	-4	-6	-6	-6

l min. - max.

1 MB 464

Dim. in mm	16			32		
	3	4	5	3	4	5
a	75	75	75	75	75	75
b	75	75	75	75	75	75
c	53	53	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	75	80	85	89	89	92
h.1	2	2	2	2	2	2
k	22	22	22	28	28	28
l	43	52	57	60	60	64
Terminal for cond. cross section (mm ²) min.-max.	1.5	1.5	1.5	2.5	2.5	2.5
	-4	-4	-4	-6	-6	-6

l min. - max.

1 MB 465

Dim. in mm	16			32		
	3	4	5	3	4	5
a	73.5	100	100	100	100	100
b	64	92	92	92	92	92
c	52	58	58	61	61	60
d	60	85	85	85	85	85
e	52	77	77	77	77	77
f	5.5	5.5	5.5	5.5	5.5	5.5
g	7	8	8	8	8	8
g.1	2	2	2	2	2	2
h	79	100	100	103	103	105
k	31	31	31	44	44	54
l	52	55	65	70	70	73
l1	60	63	72	82	82	85
Terminal for cond. cross section (mm ²) min.-max.	1.5	1.5	1.5	2.5	2.5	2.5
	-4	-4	-4	-6	-6	-6

l min. - max.

1 MB 466

Dim. in mm	16			32		
	3	4	5	3	4	5
a	73.5	100	100	100	100	100
b	64	92	92	92	92	92
c	52	60	62	66	66	66
d	60	85	85	85	85	85
e	52	77	77	77	77	77
f	5.5	5.5	5.5	5.5	5.5	5.5
g	7	8	8	8	8	8
g.1	2	2	2	2	2	2
h	84	100	106	109	109	113
k	31	31	31	44	44	54
l	52	55	65	70	70	73
l1	60	63	72	82	82	85
Terminal for cond. cross section (mm ²) min.-max.	1.5	1.5	1.5	2.5	2.5	2.5
	-4	-4	-4	-6	-6	-6

l min. - max.

1 MB 467

Dim. in mm	16			32		
	3	4	5	3	4	5
a	75	75	75	85	85	85
b	75	75	75	75	75	75
c	60	61	61	69	69	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	21	21	21	28	28	38
l	43	52	54	60	60	65
Terminal for cond. cross section (mm ²) min.-max.	1.5	1.5	1.5	2.5	2.5	2.5
	-4	-4	-4	-6	-6	-6

l min. - max.

1 MB 550

Dim. in mm	16			32		
	3	4	5	3	4	5
a	225	225	225	225	225	225
b	168	168	168	168	168	168
b1	130	130	130	130	130	130
c	80	80	80	80	80	80
c1	166	166	166	166	166	166
d	182	183	183	193	193	193
d1	204	204	204	204	204	204
e	145	145	145	145	145	145
f	7	7	7	7	7	7
f1	07	07	07	07	07	07
g	8	8	8	8	8	8

l min. - max.

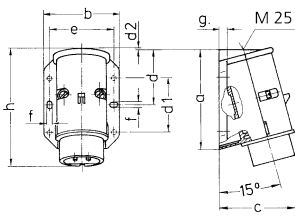
1 MB 551

Dim. in mm	16			32		
	3	4	5	3	4	5
a	225	225	225	225	225	225
b	168	168	168	168	168	168
b1	130	130	130	130	130	130
c	80	80	80	80	80	80
c1	166	166	166	166		

Drawings and dimensions

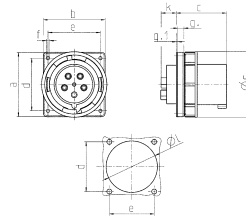
The sizes for the entries on the drawings can be different to the real existing entry sizes. Subject to modification and amendments without prior notice. Errors and omissions excepted.

2 MB 160



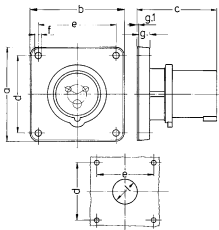
Drawing	Amp. Poles	16		32	
		2	3	2	3
2 MB 160					
Dim. in mm	a	96	96	96	96
	b	73	73	73	73
	c	74	74	74	74
	d	53	53	53	53
	d1	52	52	52	52
	d2	2	2	2	2
	e	62	62	62	62
	f	5.3	5.3	5.3	5.3
	g	8	8	8	8
	h	116	116	116	116
Terminal for cond. cross section (mm ²) min.-max.		4	4	4	4
		-10	-10	-10	-10

2 MB 166



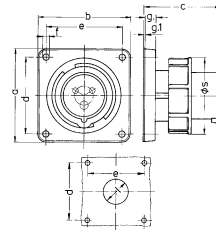
Drawing	Amp. Poles	63			125		
		3	4	5	3	4	5
2 MB 166							
Dim. in mm	a	110	110	110	130	130	130
	b	106	106	106	130	130	130
	c	86	86	86	112	112	112
	d	90	90	90	104	104	104
	e	90	90	90	104	104	104
	f	5.5	5.5	5.5	6.5	6.5	6.5
	g	12	12	12	18	18	18
	g.1	2	2	2	2	2	2
	k	28	28	28	28	28	28
	l	88.5	88.5	88.5	95	95	95
	s	113	113	113	132	132	132
Terminal for cond. cross section (mm ²) min.-max.		6	6	6	25	25	25
		-16	-16	-16	-70	-70	-70

2 MB 173/2



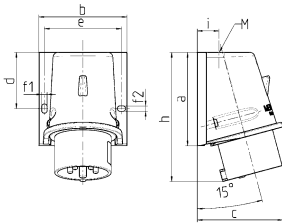
Drawing	Amp. Poles	16			32		
		3	4	5	3	4	5
2 MB 173/2							
Dim. in mm	a	85.7	85.7	85.7	85.7	85.7	85.7
	b	85.7	85.7	85.7	85.7	85.7	85.7
	c	72	72	72	90	90	90
	d	69.5	69.5	69.5	69.5	69.5	69.5
	e	69.5	69.5	69.5	69.5	69.5	69.5
	f	5.5	5.5	5.5	5.5	5.5	5.5
	g	11	11	11	11	11	11
	g.1	2	2	2	2	2	2
	l	32	36	36	47	47	47
Terminal for cond. cross section (mm ²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-10	-10	-10

2 MB 187/2



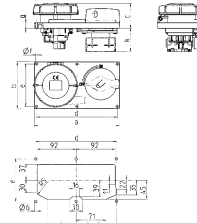
Drawing	Amp. Poles	16			32		
		3	4	5	3	4	5
2 MB 187/2							
Dim. in mm	a	85.7	85.7	85.7	85.7	85.7	85.7
	b	85.7	85.7	85.7	85.7	85.7	85.7
	c	72	72	72	90	90	90
	d	69.5	69.5	69.5	69.5	69.5	69.5
	e	69.5	69.5	69.5	69.5	69.5	69.5
	f	5.5	5.5	5.5	5.5	5.5	5.5
	g	11	11	11	11	11	11
	g.1	2	2	2	2	2	2
	l	32	36	47	47	47	47
	s	71	79	89	94	94	102
Terminal for cond. cross section (mm ²) min.-max.		1.5	1.5	1.5	2.5	2.5	2.5
		-4	-4	-4	-10	-10	-10

2 MB 221



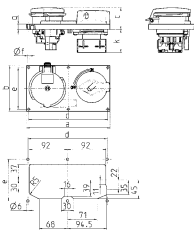
Drawing	Amp. Poles	16			32		
		4	5	3	4	5	
2 MB 221							
Dim. in mm	a	92.5	92.5	102	102	102	
	b	87	87	94	94	94	
	c	84.5	84.5	94	94	94	
	d	55.5	55.5	62	62	62	
	e	76	76	84	84	84	
	f1	5.3	5.3	5.3	5.3	5.3	
	f2	5.3	5.3	5.3	5.3	5.3	
	h	128	128	146	146	146	
	i	21.5	21.5	26	26	26	
	M	25x1.5	25x1.5	25x1.5	25x1.5	32x1.5	

5 MB 57



Drawing	Amp. Poles	16			32		
		3	4	5	3	4	5
5 MB 57							
Dim. in mm	a	200	200	200	200	200	200
	b	110	110	110	110	110	110
	c	47	50	51	59	59	60
	d	190	190	190	190	190	190
	e	100	100	100	100	100	100
	f	5	5	5	5	5	5
	g	13	13	13	13	13	13
	k max.	56	56	56	56	56	56

5 MB 59



Drawing	Amp. Poles	16			32		
		3	4	5	3	4	5
5 MB 59							
Dim. in mm	a	200	200	200	200	200	200
	b	110	110	110	110	110	110
	c	46	49	46	56	56	53
	d	190	190	190	190	190	190
	e	100	100	100	100	100	100
	f	5	5	5	5	5	5
	g	13	13	13	13	13	13
	k max.	56	56	56	56	56	56

Index of part numbers

Part no.	Page	Part no.	Page	Part no.	Page	Part no.	Page	Part no.	Page	Part no.	Page	Part no.	Page	Part no.	Page	Part no.	Page
31	5	361	6	816	6	1466	4	1961	9	3881	7	7605	8	13218	6	920011	16
32	5	363	6	817	6	1467	4	1962	9	3883	7	7607	8	13219	6	920821	17
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287	6	642A	9	1342	5	1745	5	3424	6	5536	10	11011	13	75031	12		
288	6	643A	9	1343	5	1746	5	3451	4	5691A	8	11012	13	75036	12		
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292	6	681A	9	1348	5	1756	5	3517	9	5888A	8	11032	13	75063	12		
293	6	682A	9	1365	4	1786	5	3523	9	5911A	8	11033	13	75073	12		
294	6	688A	9	1366	4	1787	5	3524	4	5925A	8	11060	13	75078	12		
298	6	689A	9	1367	4	1788	5	3575	4	5946A	13	11061	13	75091	12		
299	6	694A	9	1384	4	1790	5	3583	6	5955A	8	11081	13	75096	12		
300	6	695A	9	1385	4	1791	5	3646	6	5956A	8	11310	13	75101	12		
315	6	701A	9	1386	4	1795	5	3656	6	5959A	8	11311	13	75106	12		
318	9	702A	9	1388	4	1796	5	3658	6	6106	10	11312	13	75111	12		
319	9	703A	9	1389	4	1797	5	3665	6	6571	8	11313	13	75116	12		
322	9	733	10	1390	4	1802	5	3704	6	7000	8	11330	13	75121	12		
325	9	734	10	1394	4	1803	5	3717	9	7218	8	11331	13	75126	12		
327	9	735	10	1395													

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