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Plugs for the world

Industrial plugs and sockets



International
Edition

Global focus

Well known internationally and certified.



MENNEKES plugs and sockets are well known all over the world - and comply with the relevant national and international standards. More than half of our products are destined for international markets. This is why MENNEKES also has a global presence, with subsidiaries and agencies in more than 90 countries. When plugs and sockets are being tested by independent testing authorities, such as the VDE Testing and Certification Institute, the test reports are compiled according to CCA or CB-II procedures. They then serve as the basis for approvals in other countries, such as those whose national test marks are shown below. For plugs and sockets for USA and Canada please contact us.



Unmistakable

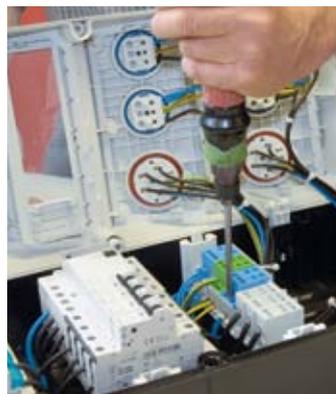


Kirchhundem headquarters

For 75 years the MENNEKES name has been the byword for unmistakable products in the markets of the world. Every expert and end user in the electrical industry knows: Only those products which have the MENNEKES brand name on, contain MENNEKES quality.

We give you a promise of quality and service. This promise is one of the main reasons why our family-owned company has a brand which is irreplaceable. We live our brand and feel obliged to it. You can rely on MENNEKES. This is and

remains the driving force of our 800 employees worldwide. It is through their daily dedication where they prove their commitment to the MENNEKES brand, whether it is in Germany, in Great Britain or in any other part of the world. Highest quality, reliability, safety, power of innovation, marketability and sustainability of our action form our brand. We have a clear identity which makes MENNEKES the ideal partner for you, our customers and the end user, being a reliable supplier of an irreplaceable brand.



Only the combination of first-class raw materials and advanced manufacturing processes guarantees a premium product. This is why we use only first-grade granules which are processed by a highly skilled workforce in state-of-the-art production facilities to create certified MENNEKES products.

CEE receptacles 16A up to 125A

63A: SoftCONTACT, 125A: TorsionSpringCONTACT.

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

Wall mounted receptacle Drawing 1 MB 205



A	P	110V	230V	400V
16	3	1177	1178	
16	4		1267	1268
16	5			1
32	3	1368	1369	
32	4	1371	1372	1373
32	5			2

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 209



A	P	110V	230V	400V
16	3	100	101	102
16	4	103	104	105
16	5	109	110	111

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 43



A	P	110V	230V	400V
16	4	3030	3034	1418
16	5	3041	3045	1419
32	3	1420	1421	1422
32	4	1423	1424	1425
32	5	1555	1556	1557

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 213



A	P	110V	230V	400V
63	3	1136A	1137A	1138A
63	4	1139A	1140A	1141A
63	5	1143A	1144A	1145A

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 219



A	P	110V	230V	400V
16	3	1193	1192	1211
16	4	1194	1195	1196
16	5	1198	1199	1200
32	3	1201	1202	1203
32	4	1204	1205	1206
32	5	1208	1209	1210

⚠ IP 67

Wall mounted receptacle Drawing 1 MB 112



A	P	110V	230V	400V
63	3	856	128A	129A
63	4	130A	131A	132A
63	5	134A	135A	136A

⚠ IP 67

Wall mounted receptacle Drawing 1 MB 162



A	P	110V	230V	400V
125	4	137	138	139
125	5	141	142	143

⚠ IP 67

Wall mounted receptacle Drawing 1 MB 163



with large space for accommodating wiring

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

⚠ IP 67

Panel mounted receptacle Drawing 1 MB 247

straight



A	P	110V	230V	400V
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	3449	3454	3451

⚠ IP 44

Panel mounted receptacle Drawing 1 MB 141

straight



A	P	110V	230V	400V
16	3	217A	218A	219A
16	4	220A	221A	222A
16	5	226A	227A	228A
32	3	229A	230A	231A
32	4	232A	233A	234A
32	5	238A	239A	240A

⚠ IP 67

Panel mounted receptacle Drawing 1 MB 260

angled 20°



A	P	110V	230V	400V
16	3	1462	1463	1464
16	4	1465	1466	1467
16	5	1471	1472	1473
32	3	1491	1492	1493
32	4	1494	1495	1496
32	5	1498	1499	1500

⚠ IP 44

Panel mounted receptacle Drawing 1 MB 251

angled 20°



A	P	110V	230V	400V
16	3	1474	1475	1476
16	4	1477	1478	1479
16	5	1483	1484	1485
32	3	1501	1502	1503
32	4	1504	1505	1506
32	5	1489	1490	1551

⚠ IP 67

Panel mounted receptacle Drawing 1 MB 211

straight



A	P	110V	230V	400V
63	3	1260A	1261A	1262A
63	4	1246A	1247A	1248A
63	5	1250A	1251A	1252A

⚠ IP 44

Panel mounted receptacle Drawing 1 MB 212/1 MB 258

straight



A	P	110V	230V	400V
63	3	1263A	1264A	1265A
63	4	1122A	1123A	1124A
63	5	1126A	1127A	1128A
125	3		3380	
125	4	1455	1456	1457
125	5	1459	1460	1461

⚠ IP 67

Panel mounted receptacle Drawing 1 MB 297

angled 20°



A	P	110V	230V	400V
63	3	1146A	1147A	1148A
63	4	1149A	1150A	1151A
63	5	1153A	1154A	1155A

⚠ IP 44

Panel mounted receptacle Drawing 1 MB 298/1 MB 339

angled 20°



A	P	110V	230V	400V
63	3	2179A	2180A	2181A
63	4	203A	204A	205A
63	5	207A	208A	209A
125	3		3575	
125	4	210A	211A	212A
125	5	214A	215A	216A

⚠ IP 67

Panel mounted receptacle Drawing 1 MB 453

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



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

⚠ IP 44

Panel mounted receptacle Drawing 1 MB 452

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



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

⚠ IP 67

CEE receptacles 16A up to 32A ■ screwless connection technique TwinCONTACT

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

Wall mounted receptacle Drawing 1 MB 463



screwless spring terminals

A	P	110V	230V	400V
16	3	1340	1341	
16	4		1342	1343
16	5			31
32	3	1345	1346	
32	4		1347	1348
32	5			32

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 209



screwless spring terminals

A	P	110V	230V	400V
16	3	1719	1720	1721
16	4		1723	1724
16	5		1730	3331

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 43



screwless spring terminals

A	P	110V	230V	400V
16	4	1750	1751	418
16	5	1755	1756	419
32	3	1851	420	1852
32	4	1855	1856	421
32	5	1860	1861	422

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 219



screwless spring terminals

A	P	110V	230V	400V
16	3	1867	241	1868
16	4	1870	1871	242
16	5	1875	1876	200
32	3	1877	243	1878
32	4	1879	1880	244
32	5	1884	1885	245

⚠ IP 67

Panel mounted receptacle Drawing 1 MB 464



screwless spring terminals, straight

A	P	110V	230V	400V
16	3	1667	1668	1669
16	4	1672	1673	1674
16	5	1678	1679	3385
32	3	1786	1787	1788
32	4	1789	1790	1791
32	5	1795	1796	1797

⚠ IP 44

Panel mounted receptacle Drawing 1 MB 467



screwless spring terminals, straight

A	P	110V	230V	400V
16	3	1707	1708	1709
16	4	1710	1711	1712
16	5	1716	1717	1131
32	3	1809	1810	1811
32	4	1812	1813	1814
32	5	1818	1819	1820

⚠ IP 67

Panel mounted receptacle Drawing 1 MB 465



screwless spring terminals, angled 20°

A	P	110V	230V	400V
16	3	1631	1632	1633
16	4	1636	1637	1638
16	5	1642	1643	3473
32	3	1733	1734	1735
32	4	1738	1739	1740
32	5	1744	1745	1746

⚠ IP 44

Panel mounted receptacle Drawing 1 MB 466



screwless spring terminals, angled 20°

A	P	110V	230V	400V
16	3	1700	1701	1702
16	4		1703	1704
16	5			3485
32	3	1801	1802	1803
32	4		1804	1805
32	5			1808

⚠ IP 67

Panel mounted receptacle RAPIDO® Drawing 1 MB 468



screwless spring terminals, central fixing, 61 mm Ø mounting hole

A	P	110V	230V	400V
16	3	1132	997	

⚠ IP 44

Panel mounted receptacle RAPIDO® Drawing 1 MB 468



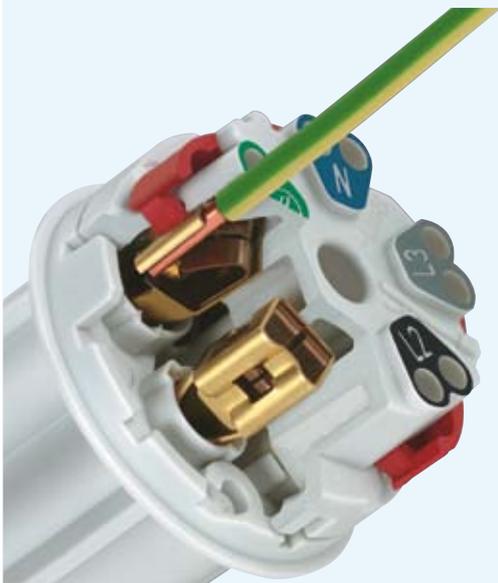
screwless spring terminals, central fixing, 70 mm Ø mounting hole

A	P	110V	230V	400V
16	4		1133	998
16	5			907
32	3	1135	987	
32	4		1166	988
32	5			989

⚠ IP 44

TwinCONTACT Screwless connection technique

without screws, double terminal with split spring for through-wiring.



RAPIDO®

RAPIDO® receptacles are available with screw terminals or screwless with TwinCONTACT.

16A, 3p:

for mounting holes 61 mm diam. and wall thickness from 2 up to 5 mm.

16A, 4p + 5p and 32A:

for mounting holes 70 mm diam. and wall thickness from 2 up to 9 mm.



CEE plugs and inlets 16A up to 125A

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

Plug AM-TOP®

	single part body, screw terminals		A	P	110V	230V	400V
	16	3	247	248	249		
	16	4	250	251	252		
	16	5	256	257	3		
	32	3	259	260	261		
	32	4	262	263	264		
	32	5	268	269	4		

⚠ IP 44

Plug StarTOP® with SafeCONTACT

	screwless with insulation displacement technique		A	P	110V	230V	400V
	16	3	947	948			
	16	4		951	952		
	16	5			33		
	32	3	711	712			
	32	4		717	719		

⚠ IP 44

Plug AM-TOP®

	single part body, screw terminals		A	P	110V	230V	400V
	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		

⚠ IP 67

Plug PowerTOP® Xtra

	with rubberised grip area, for toughest conditions		A	P	110V	230V	400V
	63	3	13201	13202	13203		
	63	4	13204	13205	13206		
	63	5	13210	13211	13212		
	125	3	13215	13216			
	125	4	13217	13218	13219		
	125	5	13223	13224	13225		

⚠ IP 67

Panel mounted inlet RAPIDO®

Drawing 2 MB 215

	central fixing, 61 mm Ø mounting hole		A	P	110V	230V	400V
	16	3	919	924			
	16	4			931		
	16	5			949		

⚠ IP 44

Wall mounted inlet

Drawing 2 MB 221

	different drawing dimensions for 16A, 3p and 4p		A	P	110V	230V	400V
	16	3	843	844			
	16	4			800		
	16	5			801		
	32	3		802			
	32	4			803		

⚠ IP 44

Panel mounted inlet

Drawing 2 MB 43

	with hinged lid		A	P	110V	230V	400V
	16	4	392	393	394		
	16	5	398	399	400		
	32	3	401	402	403		
	32	4	404	405	406		
	32	5	410	411	412		

⚠ IP 44

Panel mounted inlet

Drawing 2 MB 173/2

			A	P	110V	230V	400V
	16	3	810	812			
	16	4		837	813		
	16	5			815		
	32	3	816	817			
	32	4		838	819		
	32	5			821		

⚠ IP 44

Panel mounted inlet

Drawing 2 MB 187/2

			A	P	110V	230V	400V
	16	3	825	826			
	16	4		839	827		
	16	5			829		
	32	3	830	831			
	32	4		840	832		

⚠ IP 67

Plug ProTOP

	split body, screw terminals		A	P	110V	230V	400V
	16	3	147A	148A	149A		
	16	4		151A	152A		
	16	5			13A		
	32	3	159	160			
	32	4		163	164		
	32	5			14A		

⚠ IP 44

Plug PowerTOP® Xtra

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

⚠ IP 44

Plug PowerTOP®

	with external strain relief		A	P	110V	230V	400V
	16	3	3794	3796	3799		
	16	4	3807	3811	3809		
	16	5	3819	3823	3821		
	32	3	3829	3830	3832		
	32	4	3839	3844	3841		

⚠ IP 67

Angled plug

	* 16A, 5p, 230V and 400V: VarioTOP		A	P	110V	230V	400V
	16	3	1410	1411			
	16	4		891	315		
	16	5		3981*	3980*		
	32	3	3312	3306			
	32	4		3646	3987		
	32	5		3424	3266		

⚠ IP 44

Panel mounted inlet RAPIDO®

Drawing 2 MB 215

	central fixing, 70 mm Ø mounting hole		A	P	110V	230V	400V
	16	4		932	933		
	16	5			972		
	32	3	935	938			
	32	4		939	942		
	32	5			945		

⚠ IP 44

Wall mounted inlet

Drawing 2 MB 32

			A	P	110V	230V	400V
	16	3	331	332	333		
	16	4	334	335	336		
	16	5	340	341	342		
	32	3	343	344	345		
	32	4	346	347	348		
	32	5	352	353	354		

⚠ IP 44

Wall mounted inlet

Drawing 2 MB 36

			A	P	110V	230V	400V
	63	3	1216	1107	1217		
	63	4	355	356	357		
	63	5	359	360	361		
	125	4	362	363	364		
	125	5	366	367	368		

⚠ IP 67

Panel mounted inlet

Drawing 2 MB 155

			A	P	110V	230V	400V
	63	3	822	1981			
	63	4		1984	1982		
	63	5			1688		

⚠ IP 44

Panel mounted inlet

Drawing 2 MB 166

			A	P	110V	230V	400V
	63	3	835	836			
	63	4		3704	3656		
	63	5			3658		
	125	3		3665			
	125	4		3413	3583		

⚠ IP 67

CEE connectors 16A up to 125A

63A: SoftCONTACT, 125A: TorsionSpringCONTACT.
Other voltages and frequencies available on request.

Connector AM-TOP®

	single part body, screw terminals		A	P	110V	230V	400V
	16	3	509	510	511		
	16	4	512	513	514		
	16	5	518	519	5		
	32	3	521	522	523		
	32	4	524	525	526		
	32	5	530	531	6		

⚠ IP 44

Connector StarTOP® with SafeCONTACT

	screwless with insulation displacement technique		A	P	110V	230V	400V
	16	3	979	980			
	16	4		993	994		
	16	5			35		
	32	3	725	731			
	32	4		761	763		
	32	5			36		

⚠ IP 44

Connector AM-TOP®

	single part body, screw terminals		A	P	110V	230V	400V
	16	3	539	540	541		
	16	4	542	543	544		
	16	5	548	549	550		
	32	3	551	552	553		
	32	4	554	555	556		
	32	5	560	561	562		

⚠ IP 67

Connector PowerTOP® Xtra

	with rubberised grip area, for toughest conditions		A	P	110V	230V	400V
	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		

⚠ IP 67

Connector ProTOP

	split body, screw terminals		A	P	110V	230V	400V
	16	3	179A	180A	181A		
	16	4		193A	194A		
	16	5			15A		
	32	3	121	122			
	32	4		125	126		
	32	5			16A		

⚠ IP 44

Connector PowerTOP® Xtra

	with rubberised grip area, for toughest conditions		A	P	110V	230V	400V
	63	3	14101	14102			
	63	4		14105	14106		
	63	5		14111	14112		

⚠ IP 44

Connector PowerTOP®

	with external strain relief		A	P	110V	230V	400V
	16	3	3859	3860	3862		
	16	4	3869	3873	3871		
	16	5	3879	3883	3881		
	32	3	3887	3888	3891		
	32	4	3896	3899	3897		
	32	5	3905	3909	3907		

⚠ IP 67

Angled connector

			A	P	110V	230V	400V
	16	3			1438		

⚠ IP 44

PowerTOP® Xtra



SoftCONTACT



TorsionSpringCONTACT



PowerTOP® Xtra is rubberised for the best grip. Improved impact resistance even under humid conditions. Highly heat-resistant contact carrier, frame terminals, cable gland and sealing, strain relief and protection against kinking. Enclosure with thread lock, two safety slides and plugs with nickel-plated contacts.
Connectors 63A with **SoftCONTACT** and 125A with **TorsionSpringCONTACT**.

StarTOP®



StarTOP® with SafeCONTACT, screwless insulation displacement technique, cable gland with sealing, strain relief, protection against kinking, 2-part enclosure with thread lock and safety slide.

CEE receptacles switched 16A up to 125A ■ with mechanical DUO-interlock

63A: SoftCONTACT, 125A: TorsionSpringCONTACT. 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 174



A	P	110V	230V	400V
16	3	7010A	7002A	
16	4	5457A	5099A	5100A
16	5	5459A	5102A	5103A
32	3	5743A	5696A	
32	4	5460A	5104A	5105A
32	5	5462A	5107A	5108A

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 207



A	P	110V	230V	400V
16	3	7011A	7012A	
16	4		5599A	5600A
16	5		5602A	5603A
32	3	5924A	5793A	
32	4		5604A	5605A
32	5		5607A	5608A

⚠ IP 67

Wall mounted receptacle Drawing 1 MB 234



A	P	110V	230V	400V
63	3	6569	6571	
63	4		5955A	5956A
63	5			5959A

⚠ IP 44

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



A	P	110V	230V	400V
63	3	5925A	5911A	
63	4		5109A	5110A
63	5		5112A	5113A
125	3	7060	7000	
125	4		5887A	5691A
125	5		5888A	5692A

⚠ IP 67

Wall mounted receptacle Drawing 1 MB 550



A	P	110V	230V	400V
16	3	7602	7603	
16	4		7604	7605
16	5			7607
32	3	7611	7612	
32	4		7613	7614
32	5			7616

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 551



A	P	110V	230V	400V
16	3	7620	7621	
16	4		7623	7624
16	5			7626
32	3	7628	7629	
32	4		7633	7634
32	5			7636

⚠ IP 67

Panel mounted receptacle Drawing 5 MB 59



A	P	110V	230V	400V
16	3	7502	7503	
16	4		7504	7505
16	5			7507
32	3	7511	7512	
32	4		7513	7514
32	5			7516

⚠ IP 44

Panel mounted receptacle Drawing 5 MB 57



A	P	110V	230V	400V
16	3	7520	7521	
16	4		7523	7524
16	5			7526
32	3	7530	7531	
32	4		7533	7534
32	5			7536

⚠ IP 67

Wall mounted receptacle Drawing 1 MB 208

fused, DIN-rail



A	P	110V	230V	400V
16	3		7213	
16	4			5610A
16	5			5613A
32	4			5615A
32	5			5618A
63	4			6059A
63	5			6062A

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 181

fused, DIN-rail



A	P	110V	230V	400V
16	3		7050	
16	4			5630A
16	5			5633A
32	4			5635A
32	5			5638A
63	4			5640A
63	5			5643A

⚠ IP 67

Wall mounted receptacle Drawing 1 MB 208

fused, MCB



A	P	110V	230V	400V
16	3		7216	
16	4			7217
16	5			7218
32	4			7219
32	5			7220
63	4			7221
63	5			7222

⚠ IP 44

Wall mounted receptacle Drawing 1 MB 181

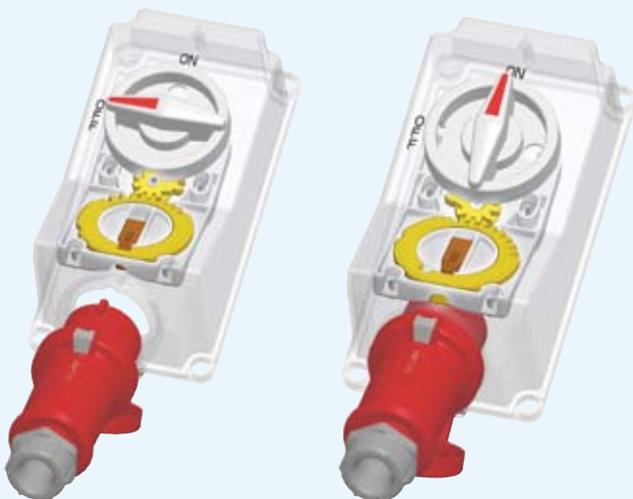
fused, MCB



A	P	110V	230V	400V
16	3		7238	
16	4			7239
16	5			7240
32	4			7241
32	5			7242
63	4			7243
63	5			7244

⚠ IP 67

Mechanical DUO-interlock



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



CEE phase inverter plugs and inlets, plugs and sockets for low voltage

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	110V	230V	400V
	16	4				338	339
	16	5				318	319
	32	4				396	397
	32	5				321	322

⚠ IP 44

Phase inverter plug AM-TOP®

	single part body, screw terminals		A	P	110V	230V	400V
	16	4				3338	3339
	16	5					325
	32	4				3340	3341
	32	5				327	328

⚠ IP 67

Phase inverter plug ProTOP

	split body, screw terminals		A	P	110V	230V	400V	
	16	5					3319A	
	32	5					3322	

⚠ IP 44

Phase inverter VarioTOP

			A	P	110V	230V	400V	
	16	5					859	

⚠ IP 44

Wall mounted phase inverter inlet

Drawing 2 MB 221

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

⚠ IP 44

Wall mounted phase inverter inlet

Drawing 2 MB 32

			A	P	110V	230V	400V
	16	4					3343
	16	5					2511
	32	4					3345
	32	5					3347

⚠ IP 44

Panel mounted phase inverter inlet

Drawing 2 MB 43

			A	P	110V	230V	400V
	16	4					3348
	16	5					20970
	32	4					3355
	32	5					3717

⚠ IP 44

Panel mounted phase inverter inlet

Drawing 2 MB 68/853

			A	P	110V	230V	400V	
	16	5					854	

⚠ IP 44



Wall mounted receptacle

Drawing 1 MB 294

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

⚠ IP 44

Wall mounted receptacle

Drawing 1 MB 137

			A	P	20 - 25V 50 a. 60 Hz	40 - 50V 50 a. 60 Hz	20 - 25V 40 - 50V 100-200 Hz
	16	2			577	578	
	16	3			584	585	586
	32	2			590	591	
	32	3			597	598	599

⚠ IP 44

Panel mounted receptacle

Drawing 1 MB 136

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

⚠ IP 44

Panel mounted receptacle

Drawing 1 MB 231

			A	P	20 - 25V 50 a. 60 Hz	40 - 50V 50 a. 60 Hz	20 - 25V 40 - 50V 100-200 Hz
	16	2			1270	2855	
	16	3			2845	1272	2860
	32	2			1271	2864	
	32	3			2870	1273	2852

⚠ IP 44

Plug

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

⚠ IP 44

Wall mounted inlet

Drawing 2 MB 160

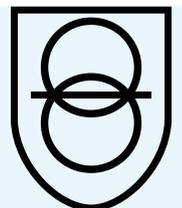
			A	P	20 - 25V 50 a. 60 Hz	40 - 50V 50 a. 60 Hz	20 - 25V 40 - 50V 100-200 Hz
	16	2			1955	1961	
	16	3			1962	1967	1965
	32	2			1968	1974	
	32	3			1975	1980	1978

⚠ IP 44

Connector

			A	P	20 - 25V 50 a. 60 Hz	40 - 50V 50 a. 60 Hz	20 - 25V 40 - 50V 100-200 Hz
	16	2			681A	682A	
	16	3			688A	689A	690A
	32	2			694A	695A	
	32	3			701A	702A	703A

⚠ IP 44



CEE plugs and sockets 7 pole

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

Wall mounted receptacle Drawing 1 MB 257

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



⚠ IP 44

Wall mounted receptacle Drawing 1 MB 406

A	P	230V	400V	500V
16	7	3240	2746	3262
32	7	2818	2648	2782



⚡ IP 67

Panel mounted receptacle Drawing 1 MB 260

angled 20°

A	P	230V	400V	500V
16	7	737	738	1045
32	7	739	740	1050



⚠ IP 44

Panel mounted receptacle Drawing 1 MB 251

angled 20°

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



⚡ IP 67

Plug AM-TOP®

single part body, screw terminals

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



⚠ IP 44

Plug AM-TOP®

single part body, screw terminals

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



⚡ IP 67

Wall mounted inlet Drawing 2 MB 147

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



⚠ IP 44

Panel mounted inlet Drawing 2 MB 71

A	P	230V	400V	500V
16	7	749	750	1075
32	7	751	752	1080



⚠ IP 44

Connector AM-TOP®

single part body, screw terminals

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



⚠ IP 44

Connector AM-TOP®

single part body, screw terminals

A	P	230V	400V	500V
16	7	3783	3916	3784
32	7	2406	2255	2460



⚡ IP 67

Wall mounted receptacle Drawing 1 MB 383

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

A	P	230V	400V	500V
16	7		5536	
32	7		7061	



⚠ IP 44

Wall mounted receptacle Drawing 1 MB 382

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

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



⚡ IP 67

Plugs and sockets 7 pole for multi functional 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

	grey	A	P	110V	230V	400V
		16	3	4101	4102	
		16	4		4254	4103
		16	5			4105
		32	3	4106	4107	
		32	4			4108
		32	5			4110
		SCHUKO®		4970		

⚠ IP 44

Cepex panel mounted receptacle Drawing 1 MB 315

	pearl white	A	P	110V	230V	400V
		16	3	4111	4112	
		16	4		4233	4113
		16	5			4115
		32	3	4116	4117	
		32	4			4118
		32	5			4120
		SCHUKO®		4971		

⚠ IP 44

Cepex wall mounted receptacle Drawing 1 MB 317

	grey, with labelling field	A	P	110V	230V	400V
		16	3		4132	
		16	4			4133
		16	5			4135
		32	3		4137	
		32	4			4138
		32	5			4140
		SCHUKO®		4973		

⚠ IP 44

Cepex panel mounted receptacle Drawing 1 MB 318

	pearl white, with labelling field	A	P	110V	230V	400V
		16	3	4141	4142	
		16	4			4143
		16	5			4145
		32	3	4146	4147	
		32	4			4148
		32	5			4150
		SCHUKO®		4974		

⚠ IP 44

Cepex wall mounted receptacle Drawing 1 MB 313

	grey, with labelling field and lockable cover	A	P	110V	230V	400V
		16	3		4162	
		16	4			4163
		16	5			4165
		32	3		4167	
		32	4			4168
		32	5			4170
		SCHUKO®		4976		

⚠ IP 44

Cepex panel mounted receptacle Drawing 1 MB 320

	pearl white, with labelling field and lockable cover	A	P	110V	230V	400V
		16	3	4171	4172	
		16	4			4173
		16	5			4175
		32	3		4177	
		32	4			4178
		32	5			4180
		SCHUKO®		4977		

⚠ IP 44

Cepex panel mounted receptacle Drawing 1 MB 315

	alpine white	A	P	110V	230V	400V
		16	5			4262
		32	5			4263
		SCHUKO®		4979		

⚠ IP 44

Cepex panel mounted receptacle Drawing 1 MB 318

	alpine white, with labelling field	A	P	110V	230V	400V
		16	3		4247	
		16	4			4273
		16	5			4237
		32	3		4274	
		32	4			4275
		32	5			4238
		SCHUKO®		4980		

⚠ IP 44

Cepex flush mounted receptacle Drawing 1 MB 336

	pearl white	A	P	110V	230V	400V
		16	3		4122	
		16	5			4125
		32	3		4127	
		32	5			4130
		SCHUKO®		4972		

⚠ IP 44

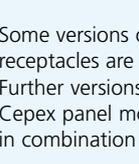
Flush mounted installation box

	for Cepex CEE receptacles 16A and 32A and Cepex SCHUKO® receptacles
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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 200A up to 400A

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

with cable gland		A	P	400V
		200	4	75221
		200	5	75226

IP 67

Panel mounted receptacle

		A	P	400V
		200	4	75241
		200	5	75246

IP 67

Wall mounted receptacle

Drawing 1 MB 386

switched and interlocked		A	P	400V
		200	4	75231
		200	5	75236

IP 55

Plug

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

IP 67

Connector

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

IP 67

Wall mounted receptacle

with cable gland		A	P	400V
		250	4	75021
		250	5	75111
		400	4	75026
		400	5	75116

IP 67

Panel mounted receptacle

		A	P	400V
		250	4	75041
		250	5	75131
		400	4	75046
		400	5	75136

IP 67

Wall mounted receptacle

Drawing 1 MB 403/2

switched and interlocked		A	P	400V
		250	4	75031
		250	5	75121
		400	4	75036
		400	5	75126

IP 55

Plug

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

IP 67

Connector

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

IP 67

Heavy duty versions for industry



Mechanical interlocking. For mobile consumers of rated current > 125A we have included a heavy duty range with 200A, 250A and 400A in our program. This can be supplied for rated voltages of 230V to 1000V and in seawater resistant version.

The heavy duty range is suitable for use in very harsh conditions, e.g. building sites:

- drilling rigs
- tunnel constructions
- gravel pits
- strip mining
- container terminals and crane connections in harbours
- for versatile power supply at large-scale indoor and outdoor events
- power supply to market places
- airports
- quarries

SCHUKO® and grounding-type receptacles

SCHUKO® and French/Belgian standard 16A, 230V, 2p+E. British standard 13A, 230V, 2p+E.
Other voltages and frequencies available on request. For drawings and dimensions see page 20 - 25.

Panel mounted receptacle SCHUKO® Drawing 1 MB 410

	with plug-in terminals or screw-terminals, without shutter	Colour	plug-in terminals	screw terminals
		grey	11010	11030
		blue	11011	11031
		black	11012	11032
		red	11013	11033

⚠ IP 54

Panel mounted receptacle SCHUKO® Drawing 1 MB 410

	with plug-in terminals or screw-terminals, with shutter	Colour	plug-in terminals	screw terminals
		grey	11060	
		blue	11061	11081

⚠ IP 54

Grounding-type panel mounted receptacle Drawing 1 MB 410

	French/Belgian standard, with plug-in terminals, without shutter	Colour	plug-in terminals	screw terminals
		grey	11110	
		blue	11111	

⚠ IP 44

Grounding-type panel mounted receptacle Drawing 1 MB 410

	French/Belgian standard, with plug-in terminals or screw-terminals, with shutter	Colour	plug-in terminals	screw terminals
		grey	11160	11180
		blue	11161	11181
		black	11162	11182
		red	11163	11183

⚠ IP 44

Wall mounted receptacle SCHUKO® Drawing 1 MB 27/30

	with plug-in terminals, without shutter	Colour	plug-in terminals	screw terminals
		grey	10081	
		blue	10082	
		black	10083	

⚠ IP 44

Grounding-type wall mounted receptacle Drawing 1 MB 27/30

	French/Belgian standard, with plug-in terminals, with shutter	Colour	plug-in terminals	screw terminals
		blue	10092	

⚠ IP 44

Base for wall mounted receptacle Drawing 1 MB 27/30

	with cable entry and screws			
		grey		10714
		blue		10715
		black		10716

Modular system for wall mounted receptacle

The combination of the base with one of the panel mounted receptacles shown above, gives a wall mounted receptacle.



Panel mounted receptacle SCHUKO® Drawing 1 MB 450

	with plug-in terminals or screw-terminals, without shutter	Colour	plug-in terminals	screw terminals
		blue	11511	11531
		black	11512	11532

IP 20

Grounding-type panel mounted receptacle Drawing 1 MB 450

	French/Belgian standard, with plug-in terminals or screw-terminals, without shutter	Colour	plug-in terminals	screw terminals
		blue	11611	11631

IP 20

Grounding-type panel mounted receptacle Drawing 1 MB 422

	British standard, with screw-terminals, with shutter and matching frame and seal	Colour	plug-in terminals	screw terminals
		black		10713

⚠ IP 44

Grounding-type panel mounted receptacle Drawing 1 MB 584

	British standard, with screw-terminals, with shutter and seal	Colour	plug-in terminals	screw terminals
		blue		10718

⚠ IP 44

Plug SCHUKO®

	combined PE-conductor acc. to German and French/Belgian standards, with grommet	Colour		
		grey		10749
		black		10754
		orange		10837
		blue		10838
		red		10839
		yellow		10840

⚠ IP 44

Connector SCHUKO®

	with grommet	Colour		
		grey		10751
		black		10755
		orange		10842
		blue		10843
		red		10844
		yellow		10845

⚠ IP 44



Success in series

Extensively configurable receptacle combinations in six different sizes – the AMAXX® range by MENNEKES. With an appealing and unique design in many variations for almost all applications.

AMAXX®

by MENNEKES



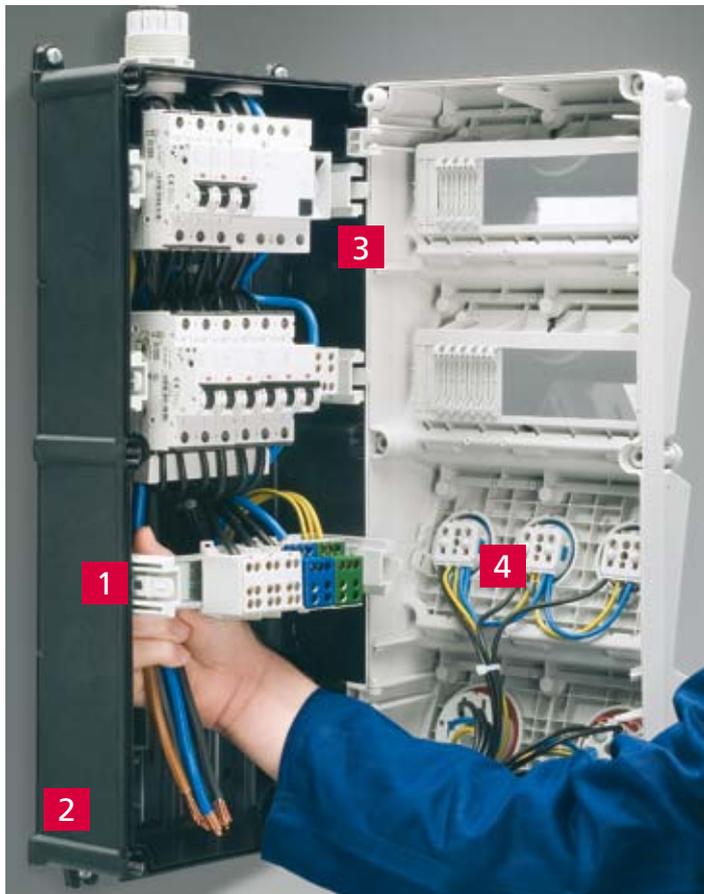
- Protection types: IP 44 and IP 67.
- Enclosure materials: AMAPLAST and especially chemical-resistant AMELAN®.
- Colours: bottom part black, top part grey, silver (IP 44), yellow or red.
- Equipped with: CEE receptacles from 16A, 3-poles up to 63A, 5-poles, grounding-type receptacles in acc. with many national standards, DUO receptacles switched and interlocked from 16A, 3p to 32A, 5p as well as fuse elements.

International



AMAXX® receptacle combinations are also perfectly suited for the international market with many different standards. For example: British, French/Belgian, Danish and Swiss standard as well as the NEMA standard (USA and Canada). Contact us.

Features and benefits



1 Lifiable DIN Rails

Lifiable DIN rails and a large, smooth wiring space significantly ease the insertion as well as connection of large cables.

2 One-man installation

Shorter installation times with the new, user-friendly external fixing.

3 Hinged cover

The hinged cover which opens to one side, eases connection work.

4 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 double-threaded cover screws.



Both hands free because inspection windows fold downwards.



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

Online configurator

The AMAXX® online configurator takes you to the right solution in just three easy steps. Compile your preferred combination from our range of SCHUKO® and CEE receptacles as well as fuse elements. 24 hours around the clock. The configurator immediately displays the selected combination, complete with text, image, price and delivery time. Your advantage: a drastically reduced offer time and therefore fast delivery of your AMAXX® combinations.

You will find the AMAXX® configurator at www.AMAXX.info.



AMAXX® receptacle combinations

Made of AMAPLAST, pre-wired for installation, IP 44

Enclosure front cover electric grey RAL 7035, hinged to the side, fusing behind a transparent cover.

For more combinations in various national standards, please contact us or visit www.AMAXX.info.



CEE receptacles
1 CEE 32A, 5p, 400V
CEE receptacles
Receptacles SCHUKO®
2 SCHUKO® 16A, 230V
Fusing
1 MCB 32A, 3p, C 2 MCB's 16A, 1p, C
Connection/feeder cable
for 1 cable up to 5 x 10 mm ²
Enclosure size
260 x 225 mm (H x W)
Part no.
920011 



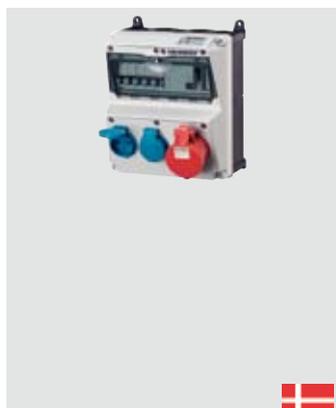
CEE receptacles
1 CEE 32A, 5p, 400V 1 CEE 16A, 5p, 400V
CEE receptacles
Receptacles SCHUKO®
3 SCHUKO® 16A, 230V
Fusing
1 MCB 32A, 3p, C 1 MCB 16A, 3p, C 3 MCB's 16A, 1p, C
Connection/feeder cable
for 2 cables up to 5 x 25 mm ²
Enclosure size
390 x 225 mm (H x W)
Part no.
930011 



CEE receptacles
1 CEE 63A, 5p, 400V 1 CEE 32A, 5p, 400V 1 CEE 16A, 5p, 400V
CEE receptacles
Receptacles SCHUKO®
2 SCHUKO® 16A, 230V
Fusing
1 RCD 63A, 4p, 0.03A 1 MCB 32A, 3p, C 1 MCB 16A, 3p, C 2 MCB's 16A, 1p, C
Connection/feeder cable
for 2 cables up to 5 x 25 mm ²
Enclosure size
520 x 225 mm (H x W)
Part no.
940010 



CEE receptacles
1 CEE 32A, 5p, 400V 1 CEE 16A, 5p, 400V
CEE receptacles
Receptacles SCHUKO®
6 SCHUKO® 16A, 230V
Fusing
1 RCD 63A, 4p, 0.03A 1 MCB 32A, 3p, C 1 MCB 16A, 3p, C 6 MCB's 16A, 1p, C
Connection/feeder cable
for 2 cables up to 5 x 25 mm ²
Enclosure size
650 x 225 mm (H x W)
Part no.
950004 



CEE receptacles
1 CEE 16A, 5p, 400V
CEE receptacles
Rec. Danish standard
2 x 13A, 2p+E, 230V
Fusing
1 RCD 40A, 4p, 0.03A 1 MCB 16A, 3p, C 2 MCB's 13A, 1p, C
Connection/feeder cable
for 1 cable up to 5 x 10 mm ²
Enclosure size
260 x 225 mm (H x W)
Part no.
920210 



CEE receptacles
1 CEE 32A, 5p, 400V
CEE receptacles
Rec. French/Belg. standard
3 NF 16A, 2p+E, 230V
Fusing
1 RCD 40A, 4p, 0.03A 1 MCB 32A, 3p+N, C 1 MCB 16A, 1p+N, C 1 off button and 1 indicator light
Connection/feeder cable
for 1 cable up to 5 x 25 mm ²
Enclosure size
390 x 225 mm (H x W)
Part no.
930038 



CEE receptacles
1 CEE 32A, 5p, 400V 2 CEE 16A, 5p, 400V 2 type 25: 16A, 5p, 400V
CEE receptacles
Rec. Swiss standard
2 x type 23: 16A, 3p, 230V
Fusing
1 RCD 63A, 4p, 0.03A 1 MCB 32A, 3p, C 2 MCB's 16A, 3p, C 1 MCB 16A, 1p, C
Connection/feeder cable
for 2 cables up to 5 x 25 mm ²
Enclosure size
520 x 225 mm (H x W)
Part no.
940809 



CEE receptacles
1 CEE 63A, 5p, 400V 1 CEE 32A, 5p, 400V 1 CEE 16A, 5p, 400V
CEE receptacles
Rec. French/Belg. standard
4 NF 16A, 2p+E, 230V
Fusing
1 RCD 63A, 4p, 0.03A 1 MCB 32A, 3p+N, C 1 MCB 16A, 3p+N, C 4 MCB's 16A, 1p+N, C
Connection/feeder cable
for 2 cables up to 5 x 25 mm ²
Enclosure size
650 x 225 mm (H x W)
Part no.
950022 

AMAXX® receptacle combinations

Made of AMAPLAST or AMELAN® (resistant to chemicals), pre-wired for installation, ⚠ IP 44 or ⚡ IP 67
 Enclosure front cover AMAPLAST electric grey RAL 7035 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. For more combinations in various national standards, please contact us or visit www.AMAXX.info.



CEE receptacles
CEE receptacles
Receptacles SCHUKO®
3 SCHUKO® 16A, 230V
Fusing
Connection/feeder cable
1.5 m H07RN-F3G1.5 with plug SCHUKO® 16A, 230V
Enclosure size
130 x 225 mm (H x W)
Part no.
910031 ⚠ IP 44



CEE receptacles
1 CEE 32A, 5p, 400V 1 CEE 16A, 5p, 400V
CEE receptacles
Rec. British standard
3 x 13A, 2p+E, 230 V
Fusing
1 RCD 40A, 4p, 0.03A 1 MCB 16A, 3p, C 3 MCB's 13A, 1p, C
Connection/feeder cable
2 m supply H07RN-F5G4 with CEE plug 32A, 5p, 400V
Enclosure size
390 x 225 mm (H x W)
Part no.
931237 ⚠ IP 44



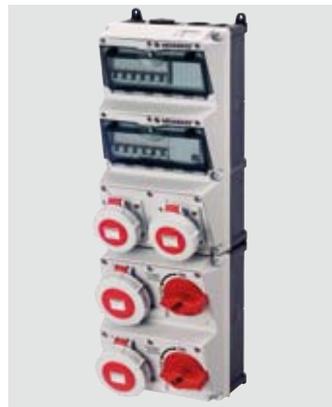
CEE receptacles
1 CEE 16A, 5p, 400V
CEE receptacles
Receptacles SCHUKO®
3 SCHUKO® 16A, 230V
Fusing
1 RCD 40A, 4p, 0.03A 1 MCB 16A, 3p, C 3 MCB's 16A, 1p, C
Connection/feeder cable
for 2 cables up to 5 x 25 mm²
Enclosure size
390 x 225 mm (H x W)
Part no.
930022 ⚡ IP 67



CEE receptacles
1 CEE 32A, 5p, 400V 2 CEE 16A, 4p, 400V
CEE receptacles
3 CEE 16A, 3p, 230V
Receptacles SCHUKO®
Fusing
1 MCB 32A, 3p+N, C 1 MCB 16A, 3p, C 1 MCB 16A, 1p+N, C
Connection/feeder cable
for 2 cables up to 5 x 25 mm²
Enclosure size
520 x 225 mm (H x W)
Part no.
940028 ⚡ IP 67



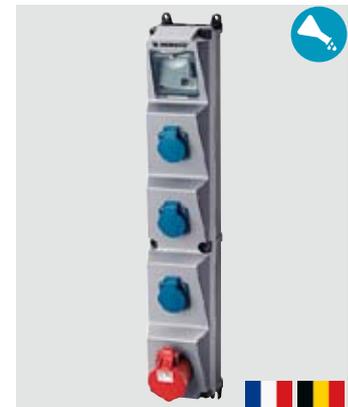
CEE receptacles
2 CEE 16A, 5p, 400V switched, with mechanical DUO interlock
CEE receptacles
Receptacles SCHUKO®
Fusing
2 MCB's 16A, 3p, C
Connection/feeder cable
for 2 cables up to 5 x 25 mm²
Enclosure size
390 x 225 mm (H x W)
Part no.
930031 ⚠ IP 44



CEE receptacles
2 CEE 32A, 5p, 400V switched with mechanical DUO interlock 2 CEE 16A, 5p, 400V
CEE receptacles
Receptacles SCHUKO®
Fusing
1 RCD 63A, 4p, 0.03A 2 MCB's 32A, 3p, C 2 MCB's 16A, 3p, C
Connection/feeder cable
for 1 cable up to 5 x 16 mm²
Enclosure size
650 x 225 mm (H x W)
Part no.
900946 ⚡ IP 67



CEE receptacles
CEE receptacles
Receptacles SCHUKO®
2 CEE 16A, 3p, 230V
Fusing
1 RCD 25A, 2p, 0.03A
Connection/feeder cable
for 1 cable up to 3 x 10 mm²
Enclosure size
260 x 225 mm (H x W)
Part no.
920821 ⚡ IP 67



CEE receptacles
1 CEE 16A, 5p, 400V
CEE receptacles
Rec. French/Belg. standard
3 NF 16A, 2p+E, 230V
Fusing
1 RCD 40A, 4p, 0.03A
Connection/feeder cable
for 1 cable up to 5 x 10 mm²
Enclosure size
650 x 113 mm (H x W)
Part no.
960042 ⚠ IP 44

EverGUM receptacle combinations with solid rubber enclosures

Wall mounted, enclosure
380 x 230 mm or
380 x 320 mm



Receptacle strip, enclosure
445 x 135 mm



Portable, enclosure
300 x 230 x 287.5 mm or
360 x 340 x 330 mm



Portable, with feeder cable, enclosure
300 x 230 x 287.5 mm or
360 x 340 x 330 mm



With the EverGUM range MENNEKES provide a solid rubber alternative to enclosures in AMAPLAST, AMELAN® 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.

AirKRAFT® and 3KRAFT®

AirKRAFT®
for energy, data,
compressed air.
Also available with feeder cable.
Enclosure
400 x 229 x 220 mm
(size without receptacles)



3KRAFT®
for energy, data,
compressed air.
Also available with feeder cable.
Enclosure
diam. 240-264 x H 152 mm
(size without receptacles)



DELTA-BOX

DELTA-BOXES

Enclosure
114 x 160 x 97 mm
(size without receptacles)



DELTA-BOXES with feeder cable.

Enclosure
114 x 160 x 97 mm
(size without receptacles)



For ceilings, walls and floors.

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. Enclosure and insert from impact and resistant AMAPLAST.

Available in ▲ IP 44, ▲▲ IP 67 and ▲▲▲ IP 68.

Stainless steel surface and flush mounted receptacle combinations



Safe.
Practical.
Timelessly elegant.

- Protection type IP 43 or IP 44 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.

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.



CombiTOWER®

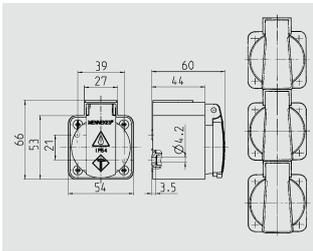
Power. Compressed air. Water.
Outdoors and indoors.
The solution: CombiTOWER®. Short routes to your energy source for industry, workshops, assembly shops, loading platforms, etc.



Drawings and dimensions

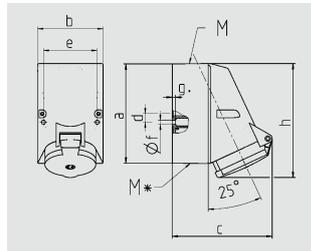
The sizes for the entries on the drawings can be different to the real existing entry sizes.
Subject to modification and amendments without prior notice. Errors and omissions excepted.

1 MB 27/30



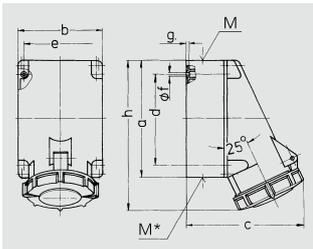
Drawing
1 MB 27/30
Dim. in mm

1 MB 43



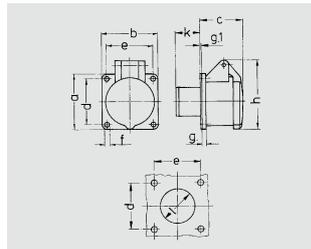
Drawing 1 MB 43	Amp. Poles	16			32		
		4	5	3	4	5	
Dim. in mm	a	128	128	128	128	128	
	b	84	84	84	84	84	
	c	122	124	136	136	138	
	d	11	11	11	11	11	
	e	68	68	68	68	68	
	f	5,3	5,3	5,3	5,3	5,3	
	g	4	4	4	4	4	
	h	144	145	158	158	160	
	M	25	25	32	32	32	
	M*	2x25 (blind) to be cut out			2x25 (blind) to be cut 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



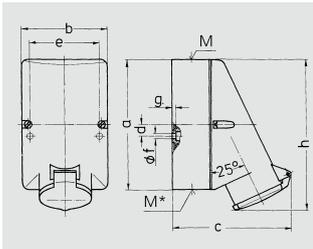
Drawing 1 MB 112	Amp. Poles	63		
		3	4	5
Dim. in mm	a	170	170	170
	b	118	118	118
	c	171	171	171
	d	134,5	134,5	134,5
	e	103	103	103
	f	6,1	6,1	6,1
	g	6	6	6
	h	216	216	216
	M	40	40	40
	M*	2xM40 (blind) to be cut out		
Max. cable diam. (mm)		32	32	32
Terminal for cond. cross section (mm²) min.-max.		-25	-25	-25

1 MB 136



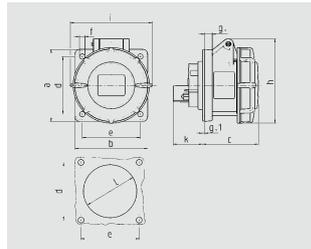
Drawing 1 MB 136	Amp. Poles	16		32		
		2	3	2	3	5
Dim. in mm	a	55	55	55	55	55
	b	55	55	55	55	55
	c	44	44	44	44	44
	d	45	45	45	45	45
	e	45	45	45	45	45
	f	4,2	4,2	4,2	4,2	4,2
	g	8	8	8	8	8
	g.1	2	2	2	2	2
	h	67	67	67	67	67
	k	22	22	22	22	22
	l	34	34	34	34	34
Terminal for cond. cross section (mm²) min.-max.		-10	-10	-10	-10	-10

1 MB 137



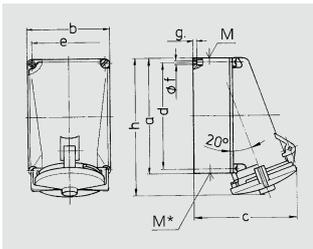
Drawing 1 MB 137	Amp. Poles	16		32	
		2	3	2	3
Dim. in mm	a	128	128	128	128
	b	84	84	84	84
	c	120	120	120	120
	d	11	11	11	11
	e	68	68	68	68
	f	5,3	5,3	5,3	5,3
	g	4	4	4	4
	h	146	146	146	146
	M	25	25	32	32
	M*	2x25 (blind) to be cut out		2x25 (blind) to be cut out	
Max. cable diam. (mm)		18	18	25	25
Terminal for cond. cross section (mm²) min.-max.		4	4	4	4
		-2x6	-10	-2x6	-10

1 MB 141



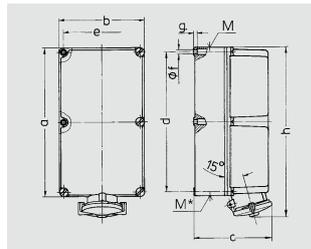
Drawing 1 MB 141	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	75	75	75	85	85	85
	b	75	75	75	75	75	75
	c	60	61	61	70	70	72
	d	60	60	60	60	60	60
	e	60	60	60	60	60	60
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	8	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	83	88	95	99	99	105
	i	78	85	96	103	103	110
	k	31	32	32	39	39	39
	l	43	52	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



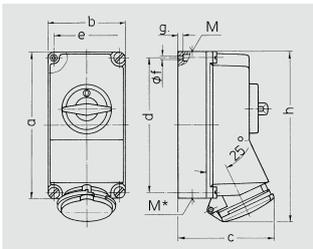
Drawing 1 MB 162	Amp. Poles	125	
		4	5
Dim. in mm	a	264	264
	b	163	163
	c	203	203
	d	240	240
	e	140	140
	f	8,1	8,1
	g	8	8
	h	313	313
	M	50	50
	M*	50	50
Max. cable diam. (mm)		38	38
Terminal for cond. cross section (mm²) min.-max.		25	25
		-35	-35

1 MB 163



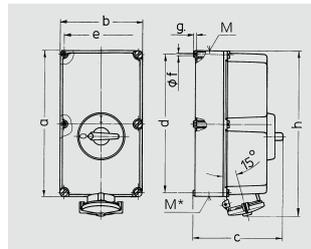
Drawing 1 MB 163	Amp. Poles	125	
		4	5
Dim. in mm	a	460	460
	b	260	260
	c	236	236
	d	434	434
	e	234	234
	f	11	11
	g	9	9
	h	525	525
	M	63	63
	M*	2x63	2x63
Max. cable diam. (mm)		44	44
Terminal for cond. cross section (mm²) min.-max.		25	25
		-70	-70

1 MB 174



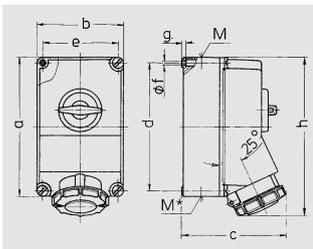
Drawing 1 MB 174	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	225	225	225	225	225	225
	b	118	118	118	118	118	118
	c	141	141	141	146	146	146
	d	208	208	208	208	208	208
	e	101	101	101	101	101	101
	f	6,3	6,3	6,3	6,3	6,3	6,3
	g	8	8	8	8	8	8
	h	250	252	254	264	264	264
	M	1x25 and 1x32			1x25 and 1x32		
	M*	2x25			2x25		
Max. cable diam. (mm)		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
		-4	-4	-4	-10	-10	-10

1 MB 177



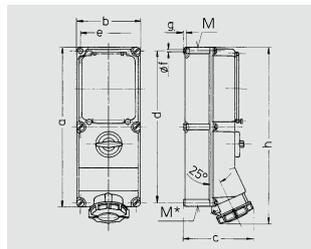
Drawing 1 MB 177	Amp. Poles	125		
		3	4	5
Dim. in mm	a	460	460	460
	b	260	260	260
	c	283	283	283
	d	434	434	434
	e	234	234	234
	f	11	11	11
	g	9	9	9
	h	525	525	525
	M	63	63	63
	M*	2x63	2x63	2x63
Max. cable diam. (mm)		44	44	44
Terminal for cond. cross section (mm²) min.-max.		25	25	25
		-70	-70	-70

1 MB 180



Drawing 1 MB 180	Amp. Poles	63		
		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*	40	40	40
Max. cable diam. (mm)		32	32	32
Terminal for cond. cross section (mm²) min.-max.		6	6	6
		-25	-25	-25

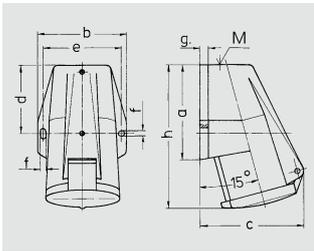
1 MB 181



Drawing 1 MB 181	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	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			40		
	M*	2x32			2x32			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		

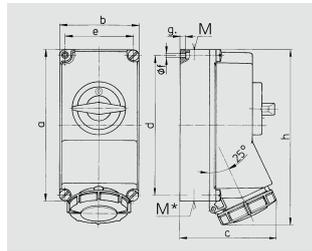
The sizes for the entries on the drawings can be different to the real existing entry sizes.
Subject to modification and amendments without prior notice. Errors and omissions excepted.

1 MB 205



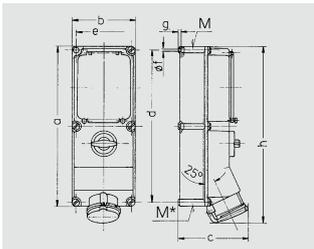
Drawing 1 MB 205	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	91	91	91	102	102	102
	b	73	79	87	89	89	94
	c	86	93	99	108	108	114
	d	55	55	56,4	62	62	62
	e	62	68	76	77,5	77,5	84
	f	5,3	5,3	5,3	5,3	5,3	5,3
	g	8	8	9	10	10	10
	h	132	132	132	153	153	153
	M	20	25	25	25	25	32
Max. cable diam. (mm)		13	18	18	18	18	25
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 207



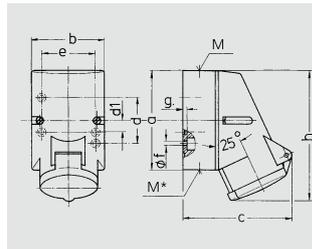
Drawing 1 MB 207	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	225	225	225	225	225	225
	b	118	118	118	118	118	118
	c	144	146	147	152	152	153
	d	208	208	208	208	208	208
	e	101	101	101	101	101	101
	f	6,3	6,3	6,3	6,3	6,3	6,3
	g	8	8	8	8	8	8
	h	252	255	259	268	268	274
	M	1xM25 and 1xM32			1xM25 and 1xM32		
	M*	2x25	2x25	2x25	2x25	2x25	2x25
Max. cable diam. (mm)		25	25	25	25	25	25
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 208



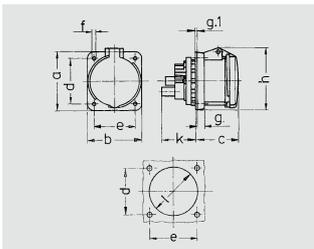
Drawing 1 MB 208	Amp. Poles	16			32		63	
		3	4	5	4	5	4	5
Dim. in mm	a	364	364	364	364	364	460	460
	b	134	134	134	134	134	180	180
	c	160	162	163	168	168	195	195
	d	347	347	347	347	347	440	440
	e	117	117	117	117	117	160	160
	f	6,3	6,3	6,3	6,3	6,3	8,1	8,1
	g	8	8	8	8	8	8	8
	h	391	395	398	408	411	502	502
	M	32x40	32x40	32x40	32x40	32x40	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 (mm ²) min.-max.		1,5	1,5	1,5	2,5	2,5	6	6
		-4	-4	-4	-10	-10	-25	-25

1 MB 209



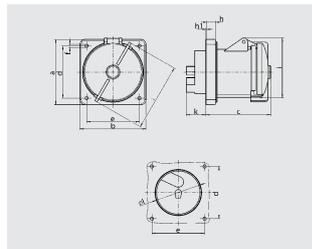
Drawing 1 MB 209	Amp. Poles	16		
		3	4	5
Dim. in mm	a	87	100	100
	b	64	75	75
	c	99	110	113
	d	40	2	-
	d1	-	11	11
	e	50	59	59
	f	4,5	5	5
	g	4	4	4
	h	115	125	128
	M	20	20	20
	M*	M20 (blind) to be cut out		
Max. cable diam. (mm)		15	15	15
Terminal for cond. cross section (mm ²) min.-max.		1,5	1,5	1,5
		-4	-4	-4

1 MB 211



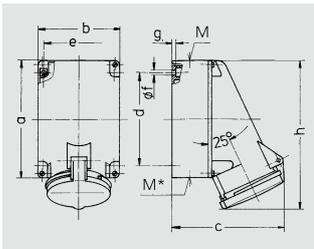
Drawing 1 MB 211	Amp. Poles	63		
		3	4	5
Dim. in mm	a	107	107	107
	b	100	100	100
	c	80	80	80
	d	85	85	85
	e	77	77	77
	f	6	6	6
	g	12	12	12
	g.1	2	2	2
	h	113	113	113
	k	55	55	55
	l	88	88	88
Terminal for cond. cross section (mm ²) min.-max.		6	6	6
		-25	-25	-25

1 MB 212/1 MB 258



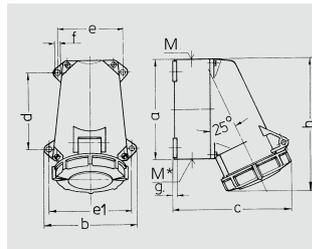
Drawing 1 MB 212 1 MB 258	Amp. Poles	63			125		
		3	4	5	3	4	5
Dim. in mm	a	107	107	107	130	130	130
	b	100	100	100	130	130	130
	c	84	84	84	124	124	124
	d	85	85	85	104	104	104
	e	77	77	77	104	104	104
	f	6	6	6	6,5	6,5	6,5
	g	12	12	12	18	18	18
	g.1	2	2	2	2	2	2
	h	113	113	113	122	122	122
	i	118	118	118	135	135	135
	k	55	55	55	43	43	43
	l	88	88	88	95	95	95
Terminal for cond. cross section (mm ²) min.-max.		6	6	6	25	25	25
		-25	-25	-25	-70	-70	-70

1 MB 213



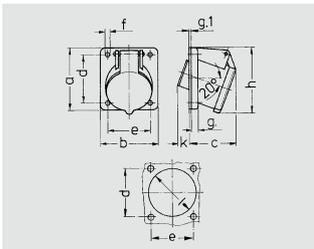
Drawing 1 MB 213	Amp. Poles	63		
		3	4	5
Dim. in mm	a	170	170	170
	b	118	118	118
	c	164	164	164
	d	134,5	134,5	134,5
	e	103	103	103
	f	6,1	6,1	6,1
	g	6	6	6
	h	216	216	216
	M	40	40	40
	M*	2xM40 (blind) to be cut out		
Max. cable diam. (mm)		32	32	32
Terminal for cond. cross section (mm ²) min.-max.		6	6	6
		-25	-25	-25

1 MB 219



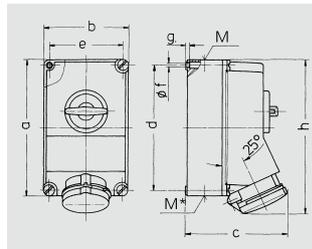
Drawing 1 MB 219	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	95	95	95	120	120	120
	b	102	102	102	112	112	112
	c	115	124	129	143	143	150
	d	64,2	64,2	64,2	90,2	90,2	90,2
	e	77,5	77,5	77,5	79	79	79
	e1	88	88	88	98,5	98,5	98,5
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	5	5	5	5	5	5
	h	128	128	132	160	160	160
	M	25	25	25	32	32	32
	M*	25	25	25	32	32	32
Max. cable diam. (mm)		15	18	18	to be cut out	to be cut out	to be cut out
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 231



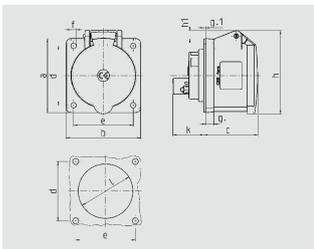
Drawing 1 MB 231	Amp. Poles	16			32		
		2	3	5	2	3	5
Dim. in mm	a	68	68	68	68	68	68
	b	62	62	62	62	62	62
	c	42	42	42	42	42	42
	d	53	53	53	53	53	53
	e	47	47	47	47	47	47
	f	4,5	4,5	4,5	4,5	4,5	4,5
	g	8	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	72	72	72	72	72	72
	k	32	32	32	32	32	32
	l	55	55	55	55	55	55
Terminal for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

1 MB 234



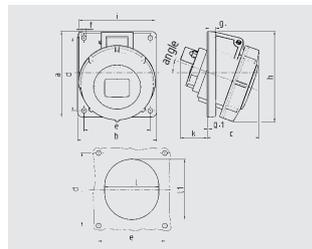
Drawing 1 MB 234	Amp. Poles	63		
		3	4	5
Dim. in mm	a	264	264	264
	b	163	163	163
	c	192	192	192
	d	240	240	240
	e	140	140	140
	f	8,1	8,1	8,1
	g	8	8	8
	h	300	300	300
	M	40	40	40
	M*	2x40	2x40	2x40
Max. cable diam. (mm)		27	27	27
Terminal for cond. cross section (mm ²) min.-max.		6	6	6
		-25	-25	-25

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
	h1		6	8	11	11	12
	k	31	32	32	39	39	39
	l	43	52	54	58	58	62
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 251

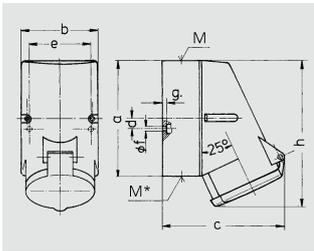


Drawing 1 MB 251	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	73,5	100				

Drawings and dimensions

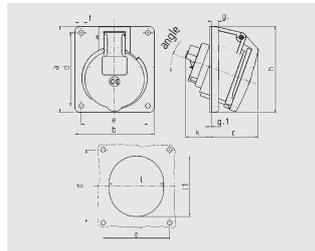
The sizes for the entries on the drawings can be different to the real existing entry sizes.
Subject to modification and amendments without prior notice. Errors and omissions excepted.

1 MB 257



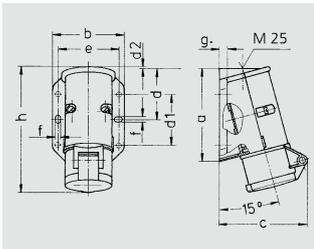
Drawing 1 MB 257	Amp. Poles	16		32	
		7		7	
Dim. in mm	a	128		128	
	b	84		84	
	c	124		138	
	d	11		11	
	e	68		68	
	f	5,3		5,3	
	g	4		4	
	h	145		160	
	M	25		32	
	M*	(blind) to be cut out. 2x25		(blind) to be cut out. 2x25	
Max. cable diam. (mm)		18		25	
Terminal for cond. cross section (mm ²) min.-max.		1,5		2,5	
		-4		-10	

1 MB 260



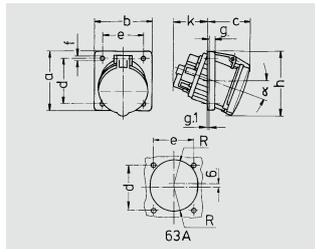
Drawing 1 MB 260	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	73,5	100	100	100	100	100
	b	64	92	92	92	92	92
	c	50	59	58	62	62	61
	d	60	85	85	85	85	85
	e	52	77	77	77	77	77
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	7	8	8	8	8	8
	g,1	2	2	2	2	2	2
	h	79	100	100	103	103	106
	k	44	34	34	54	54	49
	l	52	55	65	67	67	72
	lt	60	63	72	82	82	85
	α	20°	20°	20°	20°	20°	20°
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 294



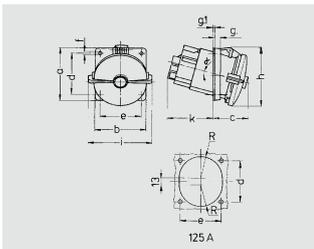
Drawing 1 MB 294	Amp. Poles	16		32	
		2	3	2	3
Dim. in mm	a	96	96	96	96
	b	73	73	73	73
	c	90	90	90	90
	d	53	53	53	53
	d1	52	52	52	52
	d2	2	2	2	2
	e	62	62	62	62
	f	5,3	5,3	5,3	5,3
	g	8	8	8	8
	h	129	129	129	129
Terminal for cond. cross section (mm ²) min.-max.		4	4	4	4
		-10	-10	-10	-10

1 MB 297



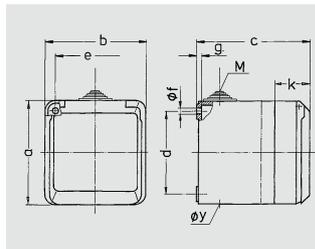
Drawing 1 MB 297	Amp. Poles	63		
		3	4	5
Dim. in mm	a	110	110	110
	b	106	106	106
	c	85	85	85
	d	85	85	85
	e	77	77	77
	f	6,2	6,2	6,2
	g	12	12	12
	g,1	2	2	2
	h	122	122	122
	k	69	69	69
	R	46	46	46
	α	20°	20°	20°
Terminal for cond. cross section (mm ²) min.-max.		6	6	6
		-25	-25	-25

1 MB 298/1 MB 339



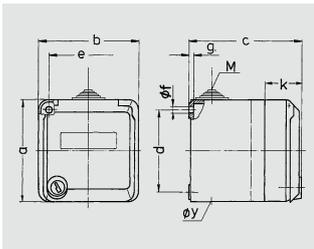
Drawing 1 MB 298 1 MB 339	Amp. Poles	63			125		
		3	4	5	3	4	5
Dim. in mm	a	110	110	110	114	114	114
	b	106	106	106	110	110	110
	c	85	85	85	85	85	85
	d	85	85	85	90	90	90
	e	77	77	77	90	90	90
	f	6,2	6,2	6,2	6,2	6,2	6,2
	g	12	12	12	13	13	13
	g,1	2	2	2	2	2	2
	h	125	125	125	135	135	135
	i	117	117	117	135	135	135
	k	69	69	69	103	103	103
	R	46	46	46	47	47	47
	α	20°	20°	20°	15°	15°	15°
	α	6	6	6	25	25	25
Terminal for cond. cross section (mm ²) min.-max.		-25	-25	-25	-70	-70	-70

1 MB 312



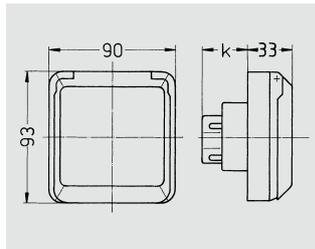
Drawing 1 MB 312	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	93	93	93	93	93	93
	b	90	90	90	90	90	90
	c	87	87	87	99	99	99
	d	75	75	75	75	75	75
	e	73	73	73	73	73	73
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	4,2	4,2	4,2	4,2	4,2	4,2
	k	33	33	33	33	33	33
	y	25,5	25,5	25,5	25,5	25,5	25,5
	M	25x1,5	25x1,5	25x1,5	25x1,5	25x1,5	25x1,5
Terminal for cond. cross section (mm ²) min.-max.		1,5	1,5	1,5	2,5	2,5	2,5
		-4	-4	-4	-6	-6	-6

1 MB 313



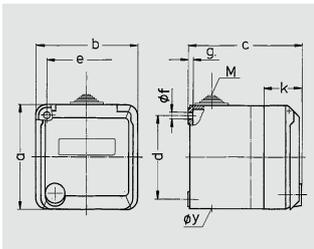
Drawing 1 MB 313	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	93	93	93	93	93	93
	b	90	90	90	90	90	90
	c	90	90	90	102	102	102
	d	75	75	75	75	75	75
	e	73	73	73	73	73	73
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	4,2	4,2	4,2	4,2	4,2	4,2
	k	36	36	36	36	36	36
	y	25,5	25,5	25,5	25,5	25,5	25,5
	M	25x1,5	25x1,5	25x1,5	25x1,5	25x1,5	25x1,5
Terminal for cond. cross section (mm ²) min.-max.		1,5	1,5	1,5	2,5	2,5	2,5
		-4	-4	-4	-6	-6	-6

1 MB 315



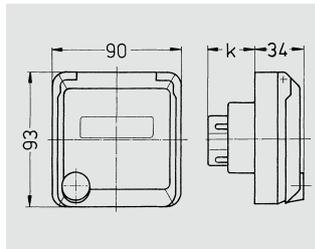
Drawing 1 MB 315	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	k	32	32	32	48	48	48
Terminal for cond. cross section (mm ²) min.-max.		1,5	1,5	1,5	2,5	2,5	2,5
		-4	-4	-4	-6	-6	-6

1 MB 317



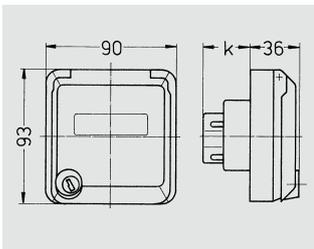
Drawing 1 MB 317	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	93	93	93	93	93	93
	b	90	90	90	90	90	90
	c	88	88	88	100	100	100
	d	75	75	75	75	75	75
	e	73	73	73	73	73	73
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	4,2	4,2	4,2	4,2	4,2	4,2
	k	34	34	34	34	34	34
	y	25,5	25,5	25,5	25,5	25,5	25,5
	M	25x1,5	25x1,5	25x1,5	25x1,5	25x1,5	25x1,5
Terminal for cond. cross section (mm ²) min.-max.		1,5	1,5	1,5	2,5	2,5	2,5
		-4	-4	-4	-6	-6	-6

1 MB 318



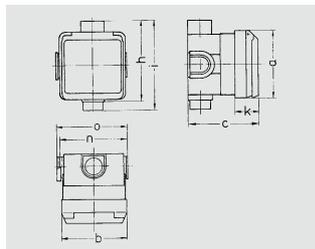
Drawing 1 MB 318	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	k	32	32	32	48	48	48
Terminal for cond. cross section (mm ²) min.-max.		1,5	1,5	1,5	2,5	2,5	2,5
		-4	-4	-4	-6	-6	-6

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 (mm ²) min.-max.		1,5	1,5	1,5	2,5	2,5	2,5
		-4	-4	-4	-6	-6	-6

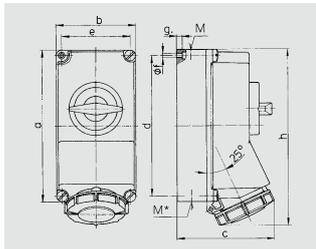
1 MB 336



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 (mm ²) min.-max.		1,5	1,5	1,5	2,5	2,5	2,5
		-4	-4	-4	-6	-6	-6

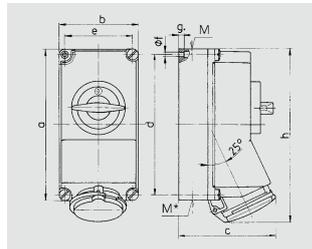
The sizes for the entries on the drawings can be different to the real existing entry sizes.
Subject to modification and amendments without prior notice. Errors and omissions excepted.

1 MB 382



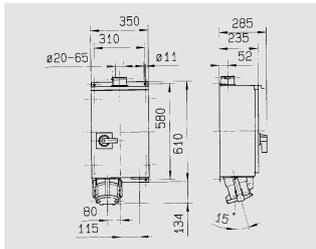
Drawing 1 MB 382	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm					
a		225		225	
b		118		118	
c		147		153	
d		208		208	
e		101		101	
f		6,3		6,3	
g		8		8	
h		259		274	
M		1x25 and 1x32		1x25 and 1x32	
M*		2x25		2x25	
Max. cable diam. (mm)					
		2,5		2,5	
Terminal for cond. cross section (mm²) min.-max.					
		—4		—10	

1 MB 383



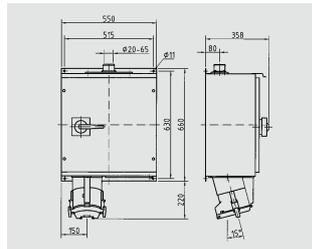
Drawing 1 MB 383	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm					
a		225		225	
b		118		118	
c		141		146	
d		208		208	
e		101		101	
f		6,3		6,3	
g		8		8	
h		254		264	
M		1x32 and 1x25		1x32 and 1x25	
M*		2x25		2x25	
Max. cable diam. (mm)					
		2,5		2,5	
Terminal for cond. cross section (mm²) min.-max.					
		—4		—10	

1 MB 386



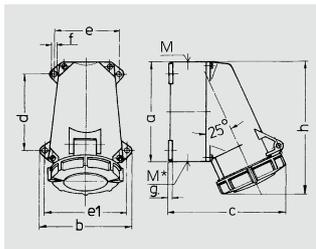
Drawing 1 MB 386	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm					
a		95		120	
b		102		112	
c		129		150	
d		64,2		90,2	
e		77,5		79	
e1		88		98,5	
f		5,5		5,5	
g		5		5	
h		132		160	
M		25		32	
M*		M25 (blind) to be cut out		M32 (blind) to be cut out	
Max. cable diam. (mm)					
		2,5		2,5	
Terminal for cond. cross section (mm²) min.-max.					
		—4		—10	

1 MB 403/2



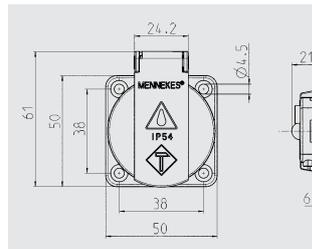
Drawing 1 MB 403/2	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm					
a		225		225	
b		118		118	
c		141		146	
d		208		208	
e		101		101	
f		6,3		6,3	
g		8		8	
h		254		264	
M		1x32 and 1x25		1x32 and 1x25	
M*		2x25		2x25	
Max. cable diam. (mm)					
		2,5		2,5	
Terminal for cond. cross section (mm²) min.-max.					
		—4		—10	

1 MB 406



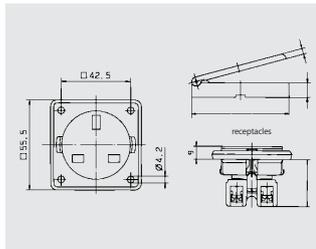
Drawing 1 MB 406	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm					
a		95		120	
b		102		112	
c		129		150	
d		64,2		90,2	
e		77,5		79	
e1		88		98,5	
f		5,5		5,5	
g		5		5	
h		132		160	
M		25		32	
M*		M25 (blind) to be cut out		M32 (blind) to be cut out	
Max. cable diam. (mm)					
		2,5		2,5	
Terminal for cond. cross section (mm²) min.-max.					
		—4		—10	

1 MB 410



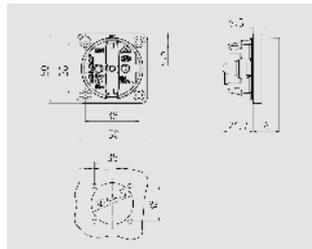
Drawing 1 MB 410	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm					
a		225		225	
b		118		118	
c		141		146	
d		208		208	
e		101		101	
f		6,3		6,3	
g		8		8	
h		254		264	
M		1x32 and 1x25		1x32 and 1x25	
M*		2x25		2x25	
Max. cable diam. (mm)					
		2,5		2,5	
Terminal for cond. cross section (mm²) min.-max.					
		—4		—10	

1 MB 422



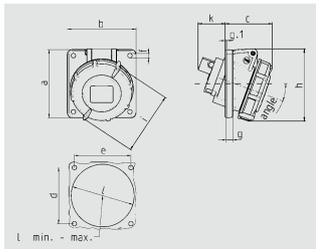
Drawing 1 MB 422	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm					
a		95		120	
b		102		112	
c		129		150	
d		64,2		90,2	
e		77,5		79	
e1		88		98,5	
f		5,5		5,5	
g		5		5	
h		132		160	
M		25		32	
M*		M25 (blind) to be cut out		M32 (blind) to be cut out	
Max. cable diam. (mm)					
		2,5		2,5	
Terminal for cond. cross section (mm²) min.-max.					
		—4		—10	

1 MB 450



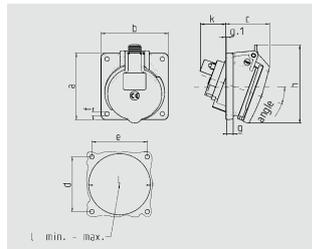
Drawing 1 MB 450	Amp. Poles	16		32	
		7	7	7	7
Dim. in mm					
a		225		225	
b		118		118	
c		141		146	
d		208		208	
e		101		101	
f		6,3		6,3	
g		8		8	
h		254		264	
M		1x32 and 1x25		1x32 and 1x25	
M*		2x25		2x25	
Max. cable diam. (mm)					
		2,5		2,5	
Terminal for cond. cross section (mm²) min.-max.					
		—4		—10	

1 MB 452



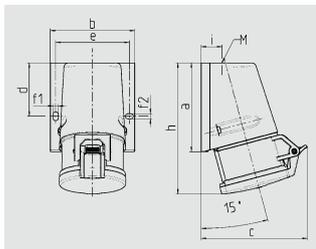
Drawing 1 MB 452	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm							
a		85	85	85	85	85	85
b		85	85	85	85	85	85
c		57	59	60	68	68	72
d		70	70	70	70	70	70
e		70	70	70	70	70	70
f		5,5	5,5	5,5	5,5	5,5	5,5
g		8	8	8	8	8	8
g1		2	2	2	2	2	2
h		87	91	99	105	105	110
i		78	85	96	103	103	110
k		39	34	33	53	53	41
l min.		57	64	70	78	78	78
l max.		78	78	78	78	78	78
Terminal for cond. cross section (mm²) min.-max.							
		1,5	1,5	1,5	2,5	2,5	2,5
		—4	—4	—4	—10	—10	—10

1 MB 453



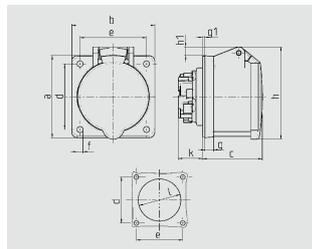
Drawing 1 MB 453	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm							
a		85	85	85	85	85	85
b		85	85	85	85	85	85
c		53	57	57	60	60	67
d		70	70	70	70	70	70
e		70	70	70	70	70	70
f		5,5	5,5	5,5	5,5	5,5	5,5
g		8	8	8	8	8	8
g1		2	2	2	2	2	2
h		89	96	101	103	103	110
k		39	34	33	53	53	41
l min.		57	64	70	78	78	78
l max.		78	78	78	78	78	78
Terminal for cond. cross section (mm²) min.-max.							
		1,5	1,5	1,5	2,5	2,5	2,5
		—4	—4	—4	—10	—10	—10

1 MB 463



Drawing 1 MB 463	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm							
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
Terminal for cond. cross section (mm²) min.-max.							
		1,5	1,5	1,5	1,5	1,5	1,5
		1,5	1,5	1,5	2,5	2,5	2,5
		—4	—4	—4	—6	—6	—6

1 MB 464

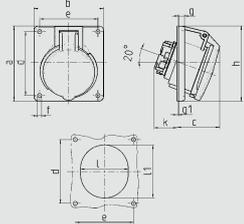


Drawing 1 MB 464	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm							
a		75	75	75	75	75	75
b		75	75	75	75	75	75
c		53	53	54	64	64	64
d		60	60	60	60	60	60
e		60	60	60	60	60	60
f		5,5	5,5	5,5	5,5	5,5	5,5
g		8	8	8	8	8	8
g1		2	2	2	2	2	2
h		75	80	85	89	89	95
h1		6	6	9	10	10	12
k		22	22	22	28	28	38
l		43	52	57	60	60	65
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

Drawings and dimensions

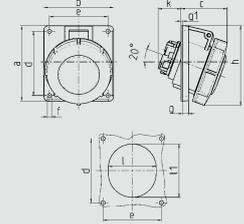
The sizes for the entries on the drawings can be different to the real existing entry sizes.
Subject to modification and amendments without prior notice. Errors and omissions excepted.

1 MB 465



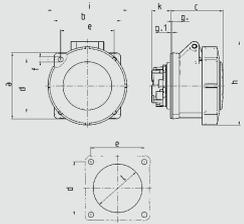
Drawing 1 MB 465	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	73,5	100	100	100	100	100
	b	64	92	92	92	92	92
	c	52	58	58	61	61	60
	d	60	85	85	85	85	85
	e	52	77	77	77	77	77
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	7	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	79	100	100	103	103	105
	k	31	31	31	44	44	54
	l	52	55	65	70	70	73
	lt	60	63	72	82	82	85
Terminal for cond. cross section (mm ²) min.-max.		1,5 -4	1,5 -4	1,5 -4	2,5 -6	2,5 -6	2,5 -6

1 MB 466



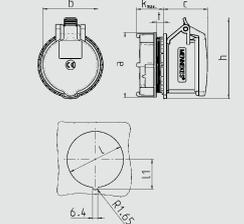
Drawing 1 MB 466	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	73,5	100	100	100	100	100
	b	64	92	92	92	92	92
	c	52	60	62	66	66	66
	d	60	85	85	85	85	85
	e	52	77	77	77	77	77
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	7	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	84	100	106	109	109	113
	k	31	31	31	44	44	54
	l	52	55	65	70	70	73
	lt	60	63	72	82	82	85
Terminal for cond. cross section (mm ²) min.-max.		1,5 -4	1,5 -4	1,5 -4	2,5 -6	2,5 -6	2,5 -6

1 MB 467



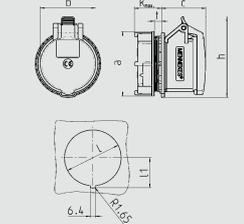
Drawing 1 MB 467	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	75	75	75	85	85	85
	b	75	75	75	75	75	75
	c	60	61	61	69	69	72
	d	60	60	60	60	60	60
	e	60	60	60	60	60	60
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	8	8	8	8	8	8
	g.1	2	2	2	2	2	2
	h	83	88	95	99	99	105
	i	78	85	96	103	103	110
	k	21	21	21	28	28	38
	l	43	52	54	60	60	65
Terminal for cond. cross section (mm ²) min.-max.		1,5 -4	1,5 -4	1,5 -4	2,5 -6	2,5 -6	2,5 -6

1 MB 468 for 61 mm Ø



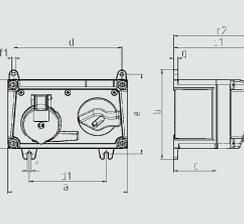
Drawing 1 MB 468	Amp. Poles	16		
		3	4	5
Dim. in mm	a	69		
	b	57		
	c	55		
	k	max.30		
	h	87		
	l	61		
	lt	33,25		
	t	2-9		
Terminal for cond. cross section (mm ²) min.-max.		1,5 -4		

1 MB 468 for 70 mm Ø



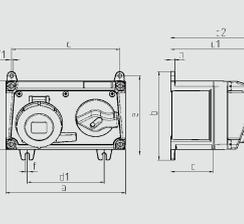
Drawing 1 MB 468	Amp. Poles	16			32		
		4	5	3	4	5	
Dim. in mm	a	81	81	81	81	81	
	b	66	69	71	71	80	
	c	58	55	66	66	64	
	k	max.33	max.33	max.33	max.33	max.33	
	h	100	102	101	101	108	
	l	70	70	70	70	70	
	lt	37,75	37,75	37,75	37,75	37,75	
	t	2-9	2-9	2-9	2-9	2-9	
Terminal for cond. cross section (mm ²) min.-max.		1,5 -4	1,5 -4	2,5 -6	2,5 -6	2,5 -6	

1 MB 550



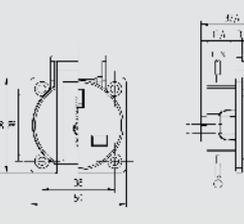
Drawing 1 MB 550	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	225	225	225	225	225	225
	b	168	168	168	168	168	168
	b1	130	130	130	130	130	130
	c	80	80	80	80	80	80
	c1	166	166	166	166	166	166
	c2	182	183	183	193	193	193
	d	204	204	204	204	204	204
	d1	145	145	145	145	145	145
	e	150	150	150	150	150	150
	f	7	7	7	7	7	7
	f1	07	07	07	07	07	07
	g	8	8	8	8	8	8

1 MB 551



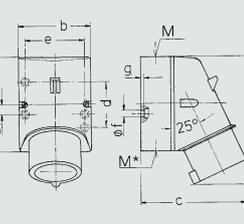
Drawing 1 MB 551	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	225	225	225	225	225	225
	b	168	168	168	168	168	168
	b1	130	130	130	130	130	130
	c	80	80	80	80	80	80
	c1	166	166	166	166	166	166
	c2	182	185	186	197	197	198
	d	204	204	204	204	204	204
	d1	145	145	145	145	145	145
	e	150	150	150	150	150	150
	f	7	7	7	7	7	7
	f1	07	07	07	07	07	07
	g	8	8	8	8	8	8

1 MB 584



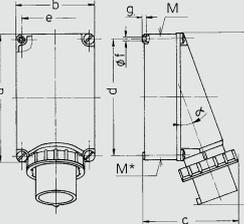
Drawing 1 MB 584	Amp. Poles	16		
		3	4	5
Dim. in mm	a	170	170	170
	b	118	118	118
	c	171	171	171
	d	136	136	136
	e	104	104	104
	f	6,1	6,1	6,1
	g	6	6	6
	h	250	250	250
	M	40	40	40
	M*	2x40	2x40	2x40
	a	25°	25°	25°
Max. cable diam. (mm)		32	32	32
Terminal for cond. cross section (mm ²) min.-max.		4 -10	4 -10	4 -10

2 MB 32



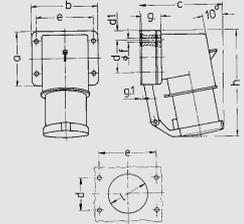
Drawing 2 MB 32	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	87	100	100	128	128	128
	b	64	75	75	84	84	84
	c	93	106	110	133	133	135
	d	40					
	d1		10,5	10,5	11	11	11
	e	50,5	59	59	68	68	68
	f	4,5	5	5	5,3	5,3	5,3
	g	4	4	4	4	4	4
	h	122	133	135	169	169	170
	M	20	20	20	25	25	25
	M*	1x20 (blind) to be cut out			2x25 (blind) to be cut out		
Max. cable diam. (mm)		15	18	18	18/25	18/25	18/25
Terminal for cond. cross section (mm ²) min.-max.		1 -2,5	1 -2,5	1 -2,5	2,5 -6	2,5 -6	2,5 -6

2 MB 36



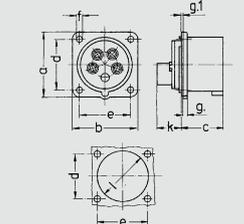
Drawing 2 MB 36	Amp. Poles	63			125	
		3	4	5	4	5
Dim. in mm	a	170	170	170	264	264
	b	118	118	118	163	163
	c	171	171	171	205	205
	d	136	136	136	240	240
	e	104	104	104	140	140
	f	6,1	6,1	6,1	8,1	8,1
	g	6	6	6	8	8
	h	250	250	250	355	355
	M	40	40	40	50	50
	M*	2x40	2x40	2x40	50	50
	a	25°	25°	25°	20°	20°
Max. cable diam. (mm)		32	32	32	38	38
Terminal for cond. cross section (mm ²) min.-max.		4 -10	4 -10	4 -10	16 -35	16 -35

2 MB 43



Drawing 2 MB 43	Amp. Poles	16			32		
		4	5	3	4	5	
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	1	1	1	
	h	140	140	150	150	150	
	l	50	50	55	55	55	
Terminal for cond. cross section (mm ²) min.-max.		1 -2,5	1 -2,5	1 -6	1 -6	1 -6	

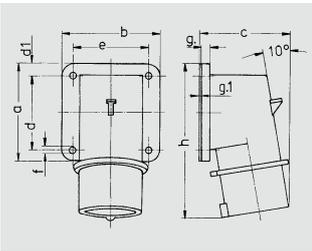
2 MB 68/853



Drawing 2 MB 68/853	Amp. Poles	16		
		3	4	5
Dim. in mm	a	75		
	b	75		
	c	42		
	d	60		
	e	60		
	f	5,5		
	g	7,3		
	g.1	2		
	k	13		
	l	52		
Terminal for cond. cross section (mm ²) min.-max.		1 -2,5		

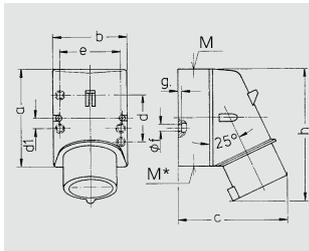
The sizes for the entries on the drawings can be different to the real existing entry sizes.
Subject to modification and amendments without prior notice. Errors and omissions excepted.

2 MB 71



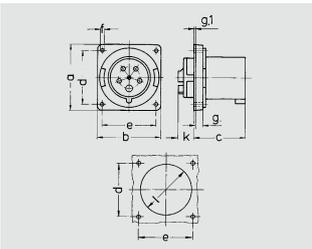
Drawing	Amp. Poles	16		32	
2 MB 71		7	4	7	4
Dim. in mm	a	85	85	75	75
	b	85	85	90	90
	c	79	79	90	90
	d	64	64	45	45
	d1	10	10	13	13
	e	64	64	78	78
	f	5,5	5,5	5,5	5,5
	g	6	6	6	6
	g.1	2	2	2	2
	h	129	129	138	138
Terminal for cond. cross section (mm²) min.-max.		1	1	2,5	2,5
		-2,5	-2,5	-6	-6

2 MB 147



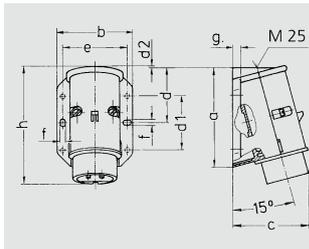
Drawing	Amp. Poles	16		32	
2 MB 147		7	4	7	4
Dim. in mm	a	100	100	128	128
	b	75	75	84	84
	c	110	110	135	135
	d	—	—	—	—
	d1	10,5	10,5	11	11
	e	59	59	68	68
	f	5	5	5,3	5,3
	g	4	4	4	4
	h	135	135	170	170
	M	20	20	32	32
	M*	20 (blind) to be cut out		2x25 (blind) to be cut out	
Max. cable diam. (mm)		15	15	18	18
Terminal for cond. cross section (mm²) min.-max.		—2,5	—2,5	—4	—4

2 MB 155



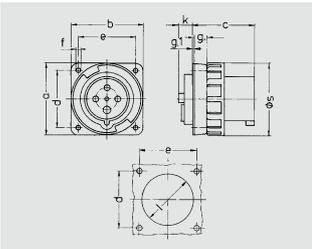
Drawing	Amp. Poles	63		
2 MB 155		3	4	5
Dim. in mm	a	110	110	110
	b	106	106	106
	c	86	86	86
	d	90	90	90
	e	90	90	90
	f	5,5	5,5	5,5
	g	12	12	12
	g.1	2	2	2
	k	28	28	28
	l	86	86	86
Terminal for cond. cross section (mm²) min.-max.		6	6	6
		-16	-16	-16

2 MB 160



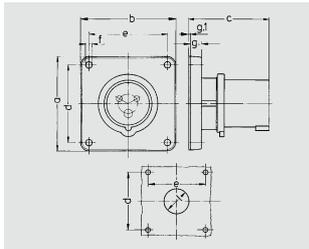
Drawing	Amp. Poles	16		32	
2 MB 160		2	3	2	3
Dim. in mm	a	96	96	96	96
	b	73	73	73	73
	c	74	74	74	74
	d	53	53	53	53
	d1	52	52	52	52
	d2	2	2	2	2
	e	62	62	62	62
	f	5,3	5,3	5,3	5,3
	g	8	8	8	8
	h	116	116	116	116
Terminal for cond. cross section (mm²) min.-max.		4	4	4	4
		-10	-10	-10	-10

2 MB 166



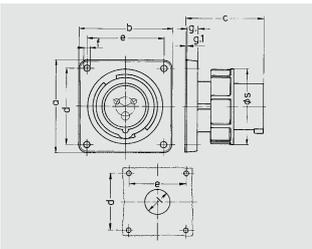
Drawing	Amp. Poles	63			125		
2 MB 166		3	4	5	3	4	5
Dim. in mm	a	110	110	110	130	130	130
	b	106	106	106	130	130	130
	c	86	86	86	112	112	112
	d	90	90	90	104	104	104
	e	90	90	90	104	104	104
	f	5,5	5,5	5,5	6,5	6,5	6,5
	g	12	12	12	18	18	18
	g.1	2	2	2	2	2	2
	k	28	28	28	28	28	28
	l	73	73	73	95	95	95
	s	113	113	113	132	132	132
Terminal for cond. cross section (mm²) min.-max.		6	6	6	25	25	25
		-16	-16	-16	-70	-70	-70

2 MB 173/2



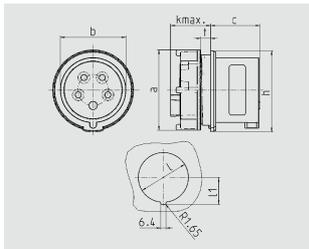
Drawing	Amp. Poles	16			32		
2 MB 173/2		3	4	5	3	4	5
Dim. in mm	a	85,7	85,7	85,7	85,7	85,7	85,7
	b	85,7	85,7	85,7	85,7	85,7	85,7
	c	72	72	72	90	90	90
	d	69,5	69,5	69,5	69,5	69,5	69,5
	e	69,5	69,5	69,5	69,5	69,5	69,5
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	11	11	11	11	11	11
	g.1	2	2	2	2	2	2
	l	32	36	36	47	47	47
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

2 MB 187/2



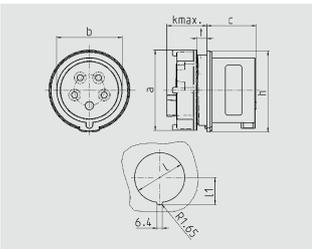
Drawing	Amp. Poles	16			32		
2 MB 187/2		3	4	5	3	4	5
Dim. in mm	a	85,7	85,7	85,7	85,7	85,7	85,7
	b	85,7	85,7	85,7	85,7	85,7	85,7
	c	72	72	72	90	90	90
	d	69,5	69,5	69,5	69,5	69,5	69,5
	e	69,5	69,5	69,5	69,5	69,5	69,5
	f	5,5	5,5	5,5	5,5	5,5	5,5
	g	11	11	11	11	11	11
	g.1	2	2	2	2	2	2
	l	32	36	47	47	47	47
	s	71	79	89	94	94	102
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

2 MB 215 for 61 mm Ø



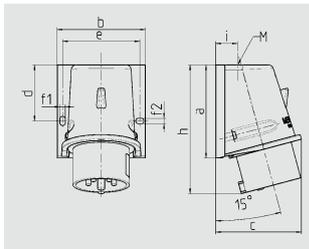
Drawing	Amp. Poles	16		
2 MB 215		3	4	5
Dim. in mm	a	69	69	69
	b	44	50	56
	c	45	43	42
	k max.	30	30	30
	h	70	70	70
	l	61	61	61
	l1	33,25	33,25	33,25
	t	wall thicknesses 2-9mm		
Terminal for cond. cross section (mm²) min.-max.		1,5	1,5	—
		-4	-4	-4

2 MB 215 for 70 mm Ø



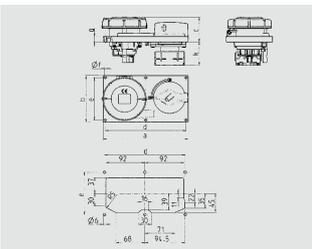
Drawing	Amp. Poles	16			32		
2 MB 215		4	5	3	4	5	
Dim. in mm	a	78	78	78	78	78	
	b	50	56	58	58	64	
	c	45	44	51	51	51	
	k max.	33	33	33	33	33	
	h	82	82	82	82	82	
	l	70	70	70	70	70	
	l1	37,75	37,75	37,75	37,75	37,75	
	t	wall thicknesses 2-9mm			wall thicknesses 2-9mm		
Terminal for cond. cross section (mm²) min.-max.		1,5	1,5	2,5	2,5	2,5	
		-4	-4	-10	-10	-10	

2 MB 221



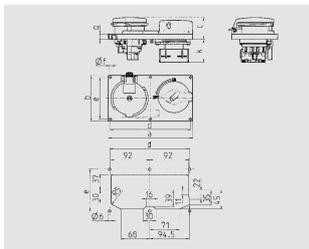
Drawing	Amp. Poles	16			32		
2 MB 221		4	5	3	4	5	
Dim. in mm	a	92,5	92,5	102	102	102	
	b	87	87	94	94	94	
	c	84,5	84,5	94	94	94	
	d	55,5	55,5	62	62	62	
	e	76	76	84	84	84	
	f1	5,3	5,3	5,3	5,3	5,3	
	f2	5,3	5,3	5,3	5,3	5,3	
	h	128	128	146	146	146	
	i	21,5	21,5	26	26	26	
	M	25x1,5	25x1,5	25x1,5	25x1,5	32x1,5	

5 MB 57



Drawing	Amp. Poles	16			32		
5 MB 57		3	4	5	3	4	5
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		
5 MB 59		3	4	5	3	4	5
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

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