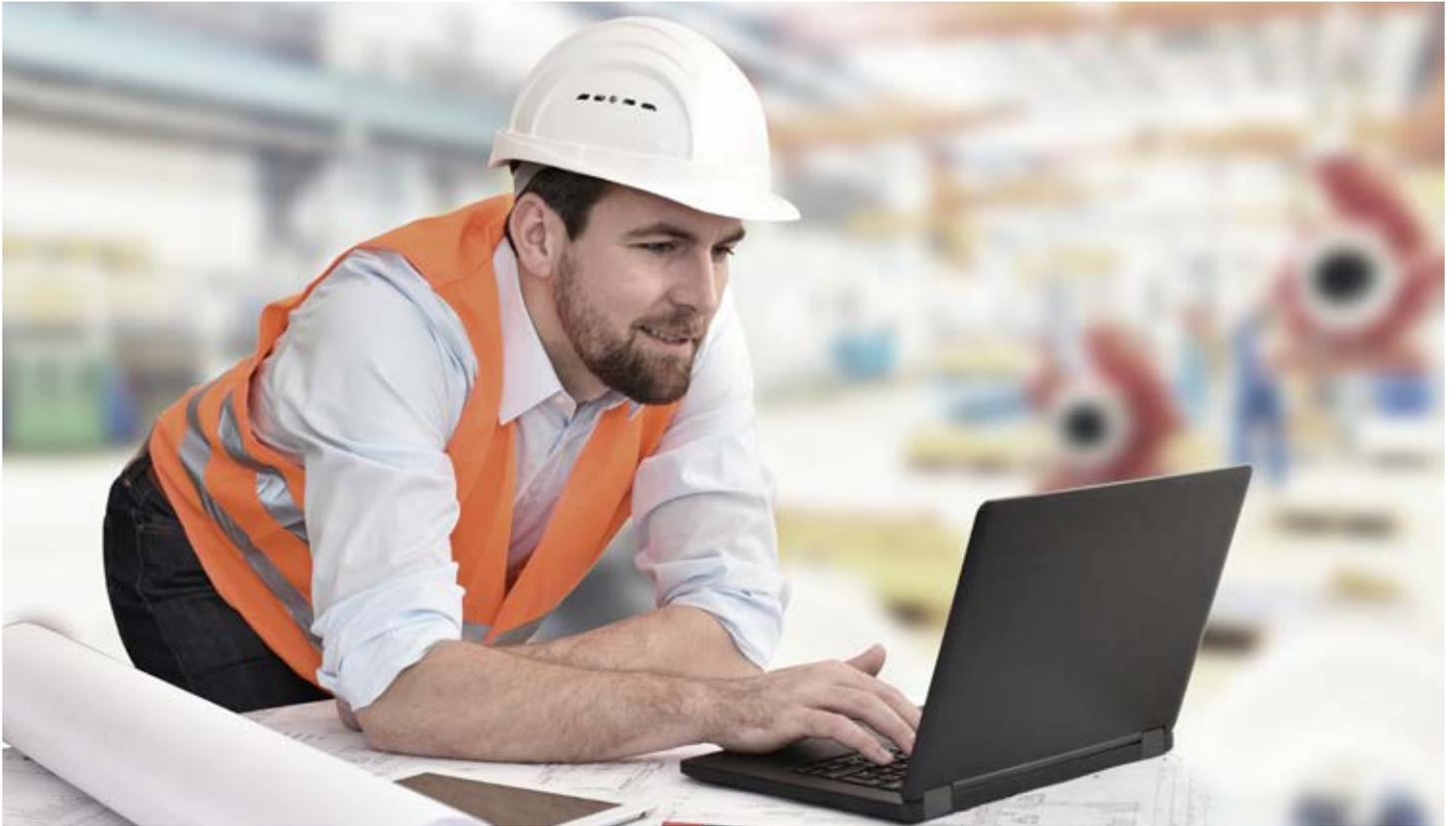


CATALOGUE

INDUSTRIAL PLUGS AND SOCKETS

INT





Power your Business

The right solution for every application.

For many years MENNEKES has collaborated with companies in various fields in order to constantly broaden and optimize our product portfolio. Thanks to our experience we can offer our customers the best product solutions for all areas of application.

Power your
Data Centers



Power your
Food Industry



Power your
Wind Energy



Power your
Logistics Centers



Power your
Automotive Industry



Visit our website here: [MENNEKES.org/solutions](https://www.MENNEKES.org/solutions)

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 with screw terminals

Products with the Icon  are highly resistant to chemicals. Other voltages and frequencies available on request.
For drawings and dimensions see page 19 - 26.

| Wall mounted receptacle | | Drawing 1 MB 463 | | | | |
|---|-------------------------------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | external fixing, cable entry at top | 16 | 3 | | 27001 | |
| | | 16 | 4 | | | 27002 |
| | | 16 | 5 | | | 27004 |
| | | 32 | 3 | | 27005 | |
| | | 32 | 4 | | | 27006 |
| | | 32 | 5 | | | 27008 |
| IP44 | | | | | | |

| Wall mounted receptacle | | Drawing 1 MB 209 | | | | |
|---|---|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | internal fixing, one cable entry at top and one at the bottom | 16 | 3 | 100 | 101 | 102 |
| | | 16 | 4 | 103 | 104 | 105 |
| | | 16 | 5 | | 110 | 111 |
| IP44 | | | | | | |

| Wall mounted receptacle | | Drawing 1 MB 43 | | | | |
|---|---|-----------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | internal fixing, one cable entry at top and two at the bottom | 16 | 4 | 3030 | 3034 | 1418 |
| | | 16 | 5 | 3041 | 3045 | 1419 |
| | | 32 | 3 | 1420 | 1421 | 1422 |
| | | 32 | 4 | 1423 | 1424 | 1425 |
| | | 32 | 5 | | 1556 | 1557 |
| IP44 | | | | | | |

| Wall mounted receptacle | | Drawing 1 MB 213 | | | | |
|---|----------------------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | X-CONTACT, internal fixing | 63 | 3 | 1136A | 1137A | |
| | | 63 | 4 | | 1140A | 1141A |
| | | 63 | 5 | | 1144A | 1145A |
| | | | | | | |
| IP44 | | | | | | |

| Wall mounted receptacle | | Drawing 1 MB 622 | | | | |
|--|-------------------------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | with 2 external fixing points | 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 |
| IP67  | | | | | | |

| Wall mounted receptacle | | Drawing 1 MB 112 | | | | |
|---|----------------------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | X-CONTACT, internal fixing | 63 | 3 | 856 | 128A | 129A |
| | | 63 | 4 | | 131A | 132A |
| | | 63 | 5 | 134A | 135A | 136A |
| | | | | | | |
| IP67 | | | | | | |

| Wall mounted receptacle | | Drawing 1 MB 162 | | | | |
|--|-----------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | X-CONTACT | 125 | 4 | 137 | 138 | 139 |
| | | 125 | 5 | | 142 | 143 |
| | | | | | | |
| IP67 | | | | | | |

| Wall mounted receptacle | | Drawing 1 MB 163 | | | | |
|--|--|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | X-CONTACT, with large space for accommodating wiring | 125 | 5 | | | 2162A |
| | | | | | | |
| IP67 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 247 | | | | |
|---|----------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | straight | 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 |
| IP44 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 141 | | | | |
|---|----------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | straight | 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 |
| IP67 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 260 | | | | |
|---|-----------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | 20° inclination | 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 |
| IP44 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 251 | | | | |
|---|-----------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | 20° inclination | 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 |
| IP67 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 211 | | | | |
|---|---------------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | X-CONTACT, straight | 63 | 3 | 1260A | 1261A | |
| | | 63 | 4 | | 1247A | 1248A |
| | | 63 | 5 | | 1251A | 1252A |
| IP44 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 212/1 MB 258 | | | | |
|---|---------------------|---------------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | X-CONTACT, straight | 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 |
| | | | | | | |
| IP67 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 297 | | | | |
|---|----------------------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | X-CONTACT, 20° inclination | 63 | 3 | | 1147A | |
| | | 63 | 4 | | 1150A | 1151A |
| | | 63 | 5 | | 1154A | 1155A |
| IP44 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 298/1 MB 601 | | | | |
|---|---|---------------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | X-CONTACT, 63 A: 20° inclination 125 A: 15° inclination | 63 | 3 | 2179A | 2180A | 2181A |
| | | 63 | 4 | | 204A | 205A |
| | | 63 | 5 | | 208A | 209A |
| | | 125 | 3 | | 3575 | |
| | | 125 | 4 | | 211A | 212A |
| | | 125 | 5 | | 215A | 216A |
| IP67 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 453 | | | | |
|---|-----------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | 20° inclination | 16 | 3 | 3031 | 3036 | |
| | | 16 | 4 | | | 3072 |
| | | 16 | 5 | | | 3093 |
| | | 32 | 3 | 3110 | 3112 | |
| | | 32 | 4 | | | 3136 |
| | | 32 | 5 | | | 3153 |
| IP44 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 452 | | | | |
|---|-----------------|------------------|---|-------|-------|-------|
| | | A | P | 110 V | 230 V | 400 V |
|  | 20° inclination | 16 | 3 | 903 | 905 | |
| | | 16 | 4 | | | 1081 |
| | | 16 | 5 | | | 1103 |
| | | 32 | 3 | 3197 | 3200 | |
| | | 32 | 4 | | | 3254 |
| | | 32 | 5 | | | 3524 |
| IP67 | | | | | | |

CEE receptacles – screwless connection technique TwinCONTACT

Other voltages and frequencies available on request. Products with the Icon  are highly resistant to chemicals. For drawings and dimensions see page 19 - 26.

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

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

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

| Wall mounted receptacle | | Drawing 1 MB 622 | | | | |
|---|------|------------------|-------|-------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
|  | 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 | | |
| | 32 5 | | 9181 | 9182 | | |
| IP67 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 464 | | | | |
|--|------|------------------|-------|-------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
|  | 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 | | |
| IP44 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 467 | | | | |
|---|------|------------------|-------|-------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
|  | 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 | | |
| IP67 | | | | | | |

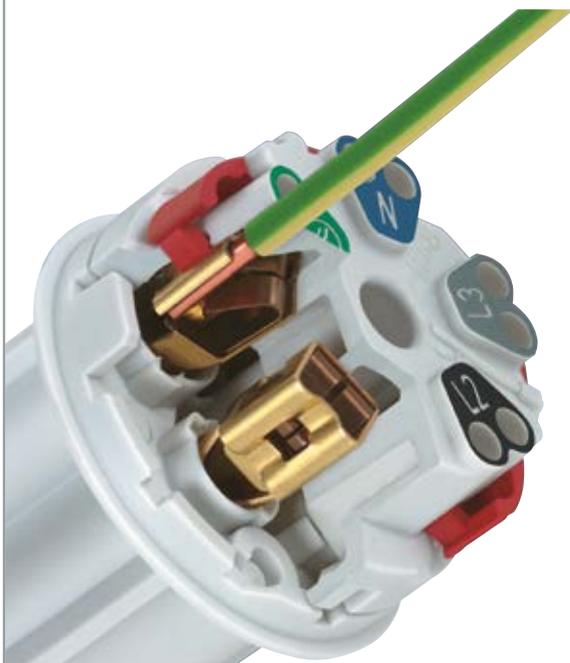
| Panel mounted receptacle | | Drawing 1 MB 465 | | | | |
|---|------|------------------|-------|-------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
|  | 16 3 | 1631 | 1632 | 1633 | | |
| | 16 4 | | 1637 | 1638 | | |
| | 16 5 | 1642 | 1643 | 3473 | | |
| | 32 3 | 1733 | 1734 | 1735 | | |
| | 32 4 | | 1739 | 1740 | | |
| | 32 5 | | 1745 | 1746 | | |
| IP44 | | | | | | |

| Panel mounted receptacle | | Drawing 1 MB 466 | | | | |
|--|------|------------------|-------|-------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
|  | 16 3 | 1700 | 1701 | 1702 | | |
| | 16 4 | | 1703 | 1704 | | |
| | 16 5 | | | 3485 | | |
| | 32 3 | | 1802 | 1803 | | |
| | 32 4 | | 1804 | 1805 | | |
| | 32 5 | | | 1808 | | |
| IP67 | | | | | | |

TwinCONTACT Screwless connection technique.

Looking for quick and easy connection?

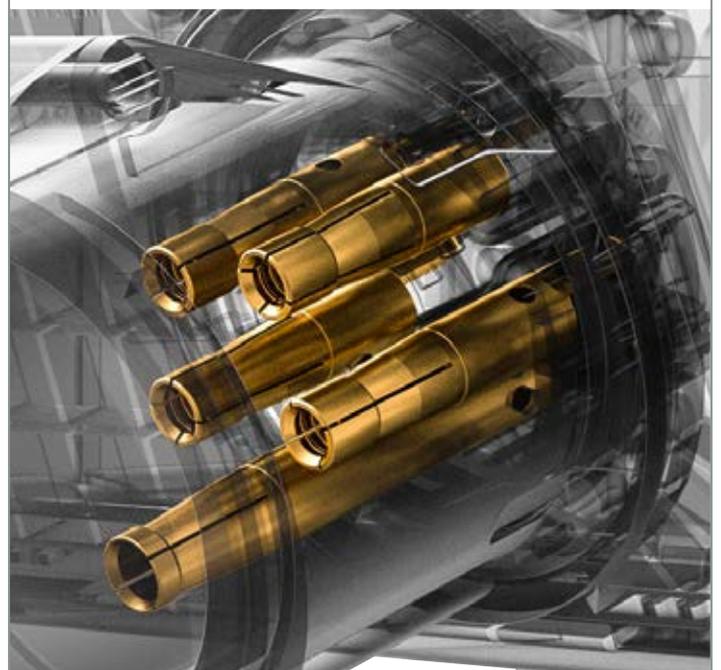
You can't miss the MENNEKES TwinCONTACT – a spring terminal in a newly designed receptacle. Remove the insulation, insert the conductors, and you're done. The contact is safely in place and it is even approved as a connection terminal – undo the conductor, that's all it takes. Press the red button and 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 19 - 26.

Plug PowerTOP Xtra with ErgoCONTACT



ergonomic enclosure design with nubbed grip zones, rubberised cable gland with sealing

IP54

| A | P | 110 V | 230 V | 400 V |
|----|---|-------|-------|-------|
| 16 | 3 | 13501 | 13502 | |
| 16 | 4 | | | 13506 |
| 16 | 5 | | | 13510 |
| 32 | 3 | 13512 | 13513 | |
| 32 | 4 | | | 13516 |
| 32 | 5 | | | 13520 |

Plug PowerTOP Xtra R with ErgoCONTACT



ergonomic enclosure design with nubbed grip zones, nickel plated contactcs

IP54

| A | P | 110 V | 230 V | 400 V |
|----|---|-------|-------|-------|
| 16 | 3 | 13550 | 13551 | 13552 |
| 16 | 4 | 13556 | 13557 | 13558 |
| 16 | 5 | 13561 | 13562 | 13563 |
| 32 | 3 | 13572 | 13573 | 13574 |
| 32 | 4 | 13577 | 13578 | 13579 |
| 32 | 5 | 13582 | 13583 | 13584 |

Plug PowerTOP Xtra with ErgoCONTACT



sealed against dust, temporary submersion and high pressure cleaning

IP67 / IP69

| A | P | 110 V | 230 V | 400 V |
|----|---|-------|-------|-------|
| 16 | 3 | 13619 | 13620 | |
| 16 | 4 | | 13621 | 13622 |
| 16 | 5 | | | 13624 |
| 32 | 3 | | 13625 | |
| 32 | 4 | | 13626 | 13627 |
| 32 | 5 | | | 13629 |

Plug PowerTOP Xtra R with ErgoCONTACT



sealed against dust, temporary submersion and high pressure cleaning, nickel-plated contacts

IP67 / IP69

| A | P | 110 V | 230 V | 400 V |
|----|---|-------|-------|-------|
| 16 | 3 | 13630 | 13631 | 13632 |
| 16 | 4 | 13635 | 13636 | 13637 |
| 16 | 5 | 13641 | 13642 | 13643 |
| 32 | 3 | 13649 | 13650 | 13651 |
| 32 | 4 | 13652 | 13653 | 13654 |
| 32 | 5 | 13658 | 13659 | 13660 |

Plug PowerTOP Xtra R



with rubberised grip area, for toughest conditions

IP54

| A | P | 110 V | 230 V | 400 V |
|----|---|-------|-------|-------|
| 63 | 3 | 13101 | 13102 | |
| 63 | 4 | | 13105 | 13106 |
| 63 | 5 | | 13111 | 13112 |

Plug PowerTOP Xtra R



with rubberised grip area, for toughest conditions

IP67

| A | P | 110 V | 230 V | 400 V |
|-----|---|-------|-------|-------|
| 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 |

Wall mounted inlet Drawing 2 MB 213/2 MB 221



different drawing dimensions for 16 A, 3 p and 4 p

IP44

| A | P | 110 V | 230 V | 400 V |
|----|---|-------|-------|-------|
| 16 | 3 | 843 | 844 | |
| 16 | 4 | | | 800 |
| 16 | 5 | | | 801 |
| 32 | 3 | | 802 | |
| 32 | 4 | | | 803 |
| 32 | 5 | | | 804 |

Wall mounted inlet Drawing 2 MB 32



IP44

| 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 |
| 32 | 5 | 352 | 353 | 354 |

Panel mounted inlet Drawing 2 MB 43



with hinged lid

IP44

| A | P | 110 V | 230 V | 400 V |
|----|---|-------|-------|-------|
| 16 | 4 | 392 | 393 | 394 |
| 16 | 5 | 398 | 399 | 400 |
| 32 | 3 | | 402 | 403 |
| 32 | 4 | | 405 | 406 |
| 32 | 5 | 410 | 411 | 412 |

Wall mounted inlet Drawing 2 MB 36



IP67

| A | P | 110 V | 230 V | 400 V |
|-----|---|-------|-------|-------|
| 63 | 3 | | 1107 | 1217 |
| 63 | 4 | | 356 | 357 |
| 63 | 5 | | 360 | 361 |
| 125 | 4 | | 363 | 364 |
| 125 | 5 | | 367 | 368 |

Panel mounted inlet Drawing 2 MB 173/2



nickel-plated contacts

IP44

| 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 |
| 32 | 5 | | | 821 |

Panel mounted inlet Drawing 2 MB 155



nickel-plated contacts

IP44

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

Panel mounted inlet Drawing 2 MB 187/2



nickel-plated contacts

IP67

| A | P | 110 V | 230 V | 400 V |
|----|---|-------|-------|-------|
| 16 | 3 | 825 | 826 | |
| 16 | 4 | | 839 | 827 |
| 16 | 5 | | | 829 |
| 32 | 3 | 830 | 831 | |
| 32 | 4 | | 840 | 832 |
| 32 | 5 | | | 834 |

Panel mounted inlet Drawing 2 MB 166



nickel-plated contacts

IP67

| A | P | 110 V | 230 V | 400 V |
|-----|---|-------|-------|-------|
| 63 | 3 | 835 | 836 | |
| 63 | 4 | | 3704 | 3656 |
| 63 | 5 | | | 3658 |
| 125 | 3 | | 3665 | |
| 125 | 4 | | 3413 | 3583 |
| 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 | | A | P | 110 V | 230 V | 400 V |
| | 16 | 3 | 14501 | 14502 | | | |
| | 16 | 4 | | | | | 14506 |
| | 16 | 5 | | | | | 14510 |
| | 32 | 3 | 14512 | 14513 | | | |
| | 32 | 4 | | | | | 14516 |
| IP54 | | 32 | 5 | | | | 14520 |

Connector PowerTOP Xtra with ErgoCONTACT

| | | | | | | | |
|--|--|----|----------|----------|--------------|--------------|--------------|
|  | sealed against dust, temporary submersion and high pressure cleaning | | A | P | 110 V | 230 V | 400 V |
| | 16 | 3 | 14619 | 14620 | | | |
| | 16 | 4 | | 14621 | | | 14622 |
| | 16 | 5 | | | | | 14624 |
| | 32 | 3 | | 14625 | | | |
| | 32 | 4 | | 14626 | | | 14627 |
| IP67 / IP69 | | 32 | 5 | | | | 14629 |

Connector PowerTOP Xtra

| | | | | | | | |
|--|---|---|----------|----------|--------------|--------------|--------------|
|  | X-CONTACT, with rubberised grip area, for toughest conditions | | A | P | 110 V | 230 V | 400 V |
| | 63 | 3 | 14101 | 14102 | | | |
| | 63 | 4 | | 14105 | | | 14106 |
| | 63 | 5 | | 14111 | | | 14112 |
| IP54 | | | | | | | |

Connector PowerTOP Xtra R with ErgoCONTACT

| | | | | | | | |
|---|--|----|----------|----------|--------------|--------------|--------------|
|  | X-CONTACT, ergonomic enclosure design with nubbed grip zones, nickel plated contacts | | A | P | 110 V | 230 V | 400 V |
| | 16 | 3 | 14550 | 14551 | | | |
| | 16 | 4 | 14556 | 14557 | | | 14558 |
| | 16 | 5 | 14561 | 14562 | | | 14563 |
| | 32 | 3 | 14572 | 14573 | | | 14574 |
| | 32 | 4 | 14577 | 14578 | | | 14579 |
| IP54 | | 32 | 5 | 14582 | | | 14584 |

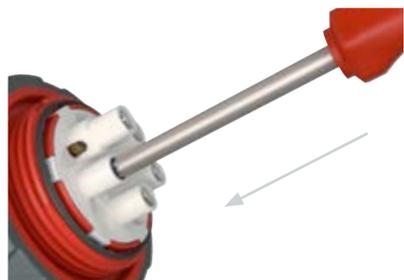
Connector PowerTOP Xtra R with ErgoCONTACT

| | | | | | | | |
|---|--|----|----------|----------|--------------|--------------|--------------|
|  | sealed against dust, temporary submersion and high pressure cleaning, nickel-plated contacts | | A | P | 110 V | 230 V | 400 V |
| | 16 | 3 | 14630 | 14631 | | | 14632 |
| | 16 | 4 | 14635 | 14636 | | | 14637 |
| | 16 | 5 | 14641 | 14642 | | | 14643 |
| | 32 | 3 | 14649 | 14650 | | | 14651 |
| | 32 | 4 | 14652 | 14653 | | | 14654 |
| IP67 / IP69 | | 32 | 5 | 14658 | 14659 | | 14660 |

Connector PowerTOP Xtra

| | | | | | | | |
|---|---|-----|----------|----------|--------------|--------------|--------------|
|  | X-CONTACT, with rubberised grip area, for toughest conditions | | 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 |
| IP67 | | 125 | 5 | 14223 | 14224 | | 14225 |

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.



PowerTOP Xtra 16 A and 32 A Plugs and connectors with IP67 / IP69 protection



For use in areas with special environmental conditions, such as the food industry, the plugs and connectors with IP67 / IP69 are ideally suited. Our connectors with protection class IP67 / IP69 are protected against temporary submersion and are also resistant to high-pressure water and high temperatures. This ensures that they remain waterproof even after repeated high-pressure cleaning and can be safely and easily operated thanks to their textured grip surfaces, even in wet and damp conditions. When plugged in, the rubberized bayonet ring keeps the plug and connector or socket tightly together.

CEE receptacles – switched with mechanical DUO-interlock

Switched receptacles can be padlocked in the OFF position. Other voltages and frequencies available on request. For drawings and dimensions see page 19 - 26.

| Wall mounted receptacle DUOI | | Drawing 1 MB 715 | | | | |
|------------------------------|---|------------------|----------|----------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
| 16 | 3 | 5611304G | 5611306G | | | |
| 16 | 4 | | 5611409G | 5611406G | | |
| 16 | 5 | | | 5611506G | | |
| 32 | 3 | 5613304G | 5613306G | | | |
| 32 | 4 | 5613404G | 5613409G | 5613406G | | |
| 32 | 5 | | 5613509G | 5613506G | | |

LED voltage indicator, X-CONTACT, switched, mechanical DUO-interlock, 3 pole switch
IP44

| Wall mounted receptacle DUOI | | Drawing 1 MB 716 | | | | |
|------------------------------|---|------------------|----------|----------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
| 16 | 3 | 5612304G | 5612306G | | | |
| 16 | 4 | | 5612409G | 5612406G | | |
| 16 | 5 | | 5612509G | 5612506G | | |
| 32 | 3 | 5614304G | 5614306G | | | |
| 32 | 4 | | 5614409G | 5614406G | | |
| 32 | 5 | | 5614509G | 5614506G | | |

LED voltage indicator, X-CONTACT, switched, mechanical DUO-interlock, 3 pole switch
IP67 / IP69

| Wall mounted receptacle | | Drawing 1 MB 234 | | | | |
|-------------------------|---|------------------|-------|-------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
| 63 | 3 | | 6571 | | | |
| 63 | 4 | | 5955A | 5956A | | |
| 63 | 5 | | | 5959A | | |

X-CONTACT, switched, mechanical DUO-interlock
IP44

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

X-CONTACT, switched, mechanical DUO-interlock
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 | | |

screwless spring terminals, switched, mechanical DUO-interlock
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 | | |

screwless spring terminals, switched, mechanical DUO-interlock
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 | | |

switched, mechanical DUO-interlock
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 | | |

switched, mechanical DUO-interlock
IP67

| Wall mounted receptacle | | Drawing 1 MB 208 | | | | |
|-------------------------|---|------------------|-------|-------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
| 16 | 5 | | | 7218 | | |
| 32 | 4 | | | 7219 | | |
| 32 | 5 | | | 7220 | | |
| 63 | 4 | | | 7221 | | |
| 63 | 5 | | | 7222 | | |

switched, mechanical DUO-interlock, 63 A: X-CONTACT
IP44

| Wall mounted receptacle | | Drawing 1 MB 181/1 MB 620 | | | | |
|-------------------------|---|---------------------------|-------|-------|--|--|
| A | P | 110 V | 230 V | 400 V | | |
| 16 | 3 | | 7238 | | | |
| 32 | 4 | | | 7241 | | |
| 32 | 5 | | | 7242 | | |
| 63 | 4 | | | 7243 | | |
| 63 | 5 | | | 7244 | | |

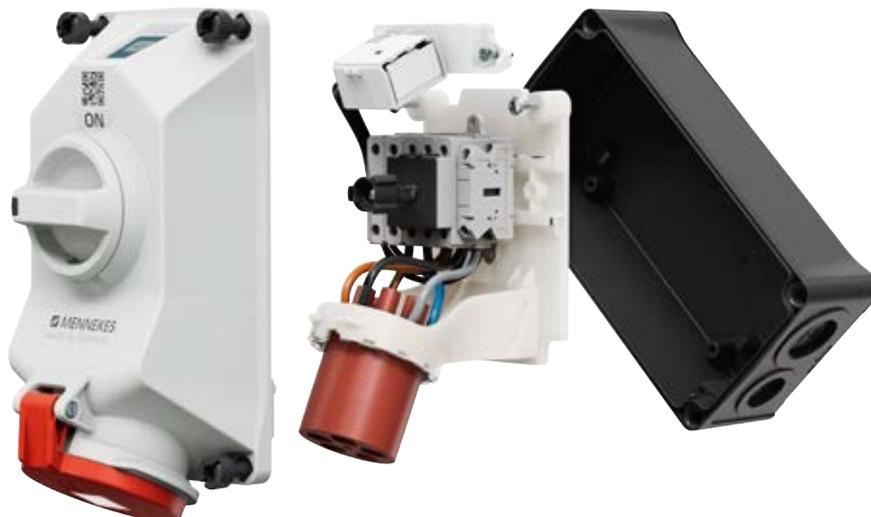
switched, mechanical DUO-interlock, 63 A: X-CONTACT
IP67

DUOi 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 the DUOi wall mounted receptacle 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 phase inverters and low voltage plugs and sockets – 16 A and 32 A

Other voltages and frequencies available on request. For drawings and dimensions see page 19 - 26.

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

cable gland and sealing

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

IP44

Phase inverter VariotOP

cable entry hood rotating up to 60° to the left or the right

| A | P | 110 V | 230 V | 400 V |
|----|---|-------|-------|-------|
| 16 | 5 | | | 859 |

IP44

Wall mounted phase inverter inlet Drawing 2 MB 221

external fixing

| 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

with hingeld lid

| 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

external fixing

| 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 / 1 MB 43

internal fixing

| 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

straight

| 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

20° inclination

| 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

with grommet

| 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

external fixing

| 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 |

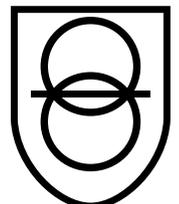
IP44

Connector

with grommet

| 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

Products with the Icon  are highly resistant to chemicals. Other voltages and frequencies available on request. For drawings and dimensions see page 19 - 26.

| 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 | | |
| | | | | | | |

nickel plated contacts

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 | | | |
| | | | | | | |

nickel plated contacts

IP67 



| Panel mounted receptacle | | Drawing 1 MB 260 | | | | |
|--------------------------|---|------------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | 737 | 738 | 1045 | | |
| 32 | 7 | | 740 | 1050 | | |
| | | | | | | |

20° inclination

IP44



| Panel mounted receptacle | | Drawing 1 MB 251 | | | | |
|--------------------------|---|------------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | 2883 | 2459 | 2296 | | |
| 32 | 7 | | 2317 | 2212 | | |
| | | | | | | |

20° inclination

IP67



| Plug AM-TOP | | Drawing 1 MB 260 | | | | |
|-------------|---|------------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | 741 | 742 | 1055 | | |
| 32 | 7 | 743 | 744 | 1060 | | |
| | | | | | | |

single part body, screw terminals

IP44



| Plug AM-TOP | | Drawing 1 MB 251 | | | | |
|-------------|---|------------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | 3776 | 3777 | 3913 | | |
| 32 | 7 | 2405 | 2324 | 2213 | | |
| | | | | | | |

single part body, screw terminals

IP67



| Wall mounted inlet | | Drawing 2 MB 147 | | | | |
|--------------------|---|------------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | | 2166 | | | |
| 32 | 7 | | 2167 | | | |
| | | | | | | |

nickel plated contacts

IP44



| Panel mounted inlet | | Drawing 2 MB 73 | | | | |
|---------------------|---|-----------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | 749 | 750 | 1075 | | |
| 32 | 7 | | 752 | 1080 | | |
| | | | | | | |

nickel plated contacts

IP44



| Connector AM-TOP | | Drawing 1 MB 260 | | | | |
|------------------|---|------------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | 745 | 746 | 1065 | | |
| 32 | 7 | 747 | 748 | 1070 | | |
| | | | | | | |

nickel plated contacts

IP44



| Connector AM-TOP | | Drawing 1 MB 251 | | | | |
|------------------|---|------------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | 3783 | 3916 | 3784 | | |
| 32 | 7 | | 2255 | 2460 | | |
| | | | | | | |

single part body, screw terminals

IP67



| Wall mounted receptacle | | Drawing 1 MB 383 | | | | |
|-------------------------|---|------------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | | 5536 | | | |
| | | | | | | |

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

IP44



| Wall mounted receptacle | | Drawing 1 MB 382 | | | | |
|-------------------------|---|------------------|-------|-------|--|--|
| A | P | 230 V | 400 V | 500 V | | |
| 16 | 7 | | 5785 | | | |
| 32 | 7 | | 6106 | | | |
| | | | | | | |

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

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 19 - 26.

| 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.

CEE receptacles – 160 A - 600 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 19 - 26. **⚠ IMPORTANT NOTE: EcoLine is not compatible with MetalLine! At 250A, both product lines are available. Please take particular care to not mix up EcoLine and MetalLine when requesting devices rated 250A.**

| Wall mounted receptacle | | Drawing 1 MB 720 | | |
|--|---|------------------|----------|--------------|
|  | EcoLine, plastic enclosure, aluminum front part, with cable gland | A | P | 400 V |
| | | 160 | 4 | 75080 |
| | | 160 | 5 | 75310 |
| IP67 | | | | |

| Wall mounted receptacle | | Drawing 1 MB 385 | | |
|---|---|------------------|----------|--------------|
|  | EcoLine, plastic enclosure, aluminum front part, with cable gland | A | P | 400 V |
| | | 200 | 4 | 75221 |
| | | 200 | 5 | 75226 |
| | | 250 | 4 | 75327 |
| | | 250 | 5 | 75329 |
| IP67 | | | | |

| Wall mounted receptacle | | Drawing 1 MB 389/1 | | |
|--|---|--------------------|----------|--------------|
|  | MetalLine, aluminum enclosure, with cable gland | A | P | 400 V |
| | | 250 | 4 | 75021 |
| | | 250 | 5 | 75111 |
| | | 400 | 4 | 75026 |
| | | 400 | 5 | 75116 |
| IP67 | | | | |

| Wall mounted receptacle | | Drawing 1 MB 725 | | |
|---|---|------------------|----------|--------------|
|  | MetalLine, aluminum enclosure, with cable gland | A | P | 400 V |
| | | 600 | 4 | 75339 |
| | | 600 | 5 | 75142 |
| IP67 | | | | |

| Wall mounted receptacle DUO | | Drawing 1 MB 728 | | |
|---|---|------------------|----------|--------------|
|  | EcoLine, switched, mechanical interlock | A | P | 400 V |
| | | 160 | 4 | 75143 |
| | | 160 | 5 | 75144 |
| IP55 | | | | |

| Wall mounted receptacle DUO | | Drawing 1 MB 386 | | |
|---|---|------------------|----------|--------------|
|  | EcoLine, switched, mechanical interlock | A | P | 400 V |
| | | 200 | 4 | 75231 |
| | | 200 | 5 | 75236 |
| IP55 | | | | |

| Wall mounted receptacle DUO | | Drawing 1 MB 403/2 | | |
|--|---|--------------------|----------|--------------|
|  | MetalLine, switched, mechanical interlock | A | P | 400 V |
| | | 250 | 4 | 75031 |
| | | 250 | 5 | 75121 |
| | | 400 | 4 | 75036 |
| | | 400 | 5 | 75126 |
| IP55 | | | | |

| Wall mounted receptacle DUO | | Drawing 1 MB 723 | | |
|--|---|------------------|----------|--------------|
|  | MetalLine, switched, mechanical interlock | A | P | 400 V |
| | | 600 | 4 | 75147 |
| | | 600 | 5 | 75148 |
| IP55 | | | | |

| Wall mounted receptacle | | Drawing 1 MB 387 | | |
|---|--|------------------|----------|--------------|
|  | EcoLine, electrical interlock with contactor | A | P | 400 V |
| | | 200 | 5 | 75276 |
| IP55 | | | | |

| Wall mounted receptacle | | Drawing 1 MB 404/2 | | |
|---|--|--------------------|----------|--------------|
|  | MetalLine, electrical interlock with contactor | A | P | 400 V |
| | | 250 | 5 | 75441 |
| | | 400 | 5 | 75448 |
| IP55 | | | | |

| Panel mounted receptacle | | Drawing 1 MB 719 | | |
|--|-----------------------------|------------------|----------|--------------|
|  | EcoLine, aluminum enclosure | A | P | 400 V |
| | | 160 | 4 | 75067 |
| | | 160 | 5 | 75070 |
| IP67 | | | | |

| Panel mounted receptacle | | Drawing 1 MB 384 | | |
|---|-----------------------------|------------------|----------|--------------|
|  | EcoLine, aluminum enclosure | A | P | 400 V |
| | | 200 | 4 | 75241 |
| | | 200 | 5 | 75246 |
| | | 250 | 4 | 75320 |
| | | 250 | 5 | 75353 |
| IP67 | | | | |

| Panel mounted receptacle | | Drawing 1 MB 388 | | |
|--|-------------------------------|------------------|----------|--------------|
|  | MetalLine, aluminum enclosure | A | P | 400 V |
| | | 250 | 4 | 75041 |
| | | 250 | 5 | 75131 |
| | | 400 | 4 | 75046 |
| | | 400 | 5 | 75136 |
| IP67 | | | | |

| Panel mounted receptacle | | Drawing 1 MB 724 | | |
|---|-------------------------------|------------------|----------|--------------|
|  | MetalLine, aluminum enclosure | A | P | 400 V |
| | | 600 | 4 | 75335 |
| | | 600 | 5 | 75337 |
| IP67 | | | | |

| Panel mounted receptacle | | Drawing 1 MB 636 | | |
|---|--|------------------|----------|--------------|
|  | EcoLine, aluminum enclosure, 15° inclination | A | P | 400 V |
| | | 200 | 4 | 75053 |
| | | 200 | 5 | 75058 |
| IP67 | | | | |

| Panel mounted receptacle | | Drawing 1 MB 637 | | |
|---|----------------------------|------------------|----------|--------------|
|  | MetalLine, 15° inclination | A | P | 400 V |
| | | 250 | 4 | 75063 |
| | | 250 | 5 | 75068 |
| | | 400 | 4 | 75073 |
| | | 400 | 5 | 75078 |
| IP67 | | | | |

CEE plugs and sockets – 160 A - 600 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 19 - 26. **⚠ IMPORTANT NOTE: EcoLine is not compatible with MetalLine! At 250A, both product lines are available. Please take particular care to not mix up EcoLine and MetalLine when requesting devices rated 250A.**

| Plug | | | | 400 V | |
|---|---|-----|---|-------|-------|
|  | EcoLine, plastic enclosure, aluminum front part, with cable gland | A | P | | |
| | | 160 | 4 | | 75055 |
| | | 160 | 5 | | 75057 |
| IP67 | | | | | |

| Plug | | | | 400 V | |
|---|---|-----|---|-------|-------|
|  | EcoLine, plastic enclosure, aluminum front part, with cable gland | A | P | | |
| | | 200 | 4 | | 75201 |
| | | 200 | 5 | | 75206 |
| | | 250 | 4 | | 75312 |
| | | 250 | 5 | | 75075 |
| IP67 | | | | | |

| Plug | | | | 400 V | |
|--|---|-----|---|-------|-------|
|  | MetalLine, aluminum enclosure, with cable gland | A | P | | |
| | | 250 | 4 | | 75001 |
| | | 250 | 5 | | 75091 |
| | | 400 | 4 | | 75006 |
| | | 400 | 5 | | 75096 |
| IP67 | | | | | |

| Plug | | | | 400 V | |
|---|---|-----|---|-------|-------|
|  | MetalLine, aluminum enclosure, with cable gland | A | P | | |
| | | 600 | 4 | | 75330 |
| | | 600 | 5 | | 75332 |
| IP67 | | | | | |

| Wall mounted inlet | | | | 400 V | |
|---|----------------------------|-----|---|-------|-------|
|  | EcoLine, plastic enclosure | A | P | | |
| | | 160 | 5 | | 75077 |
| IP67 | | | | | |

Drawing 2 MB 267

| Wall mounted inlet | | | | 400 V | |
|---|----------------------------|-----|---|-------|-------|
|  | EcoLine, plastic enclosure | A | P | | |
| | | 200 | 5 | | 75256 |
| | | 250 | 5 | | 75325 |
| IP67 | | | | | |

Drawing 2 MB 197

| Wall mounted inlet | | | | 400 V | |
|---|-------------------------------|-----|---|-------|-------|
|  | MetalLine, aluminum enclosure | A | P | | |
| | | 250 | 5 | | 75173 |
| | | 400 | 4 | | 75389 |
| | | 400 | 5 | | 75398 |
| IP67 | | | | | |

Drawing 2 MB 200/1

| Wall mounted inlet | | | | 400 V | |
|--|-------------------------------|-----|---|-------|-------|
|  | MetalLine, aluminum enclosure | A | P | | |
| | | 600 | 4 | | 75338 |
| IP67 | | | | | |

Drawing 2 MB 272

| Panel mounted inlet | | | | 400 V | |
|---|-----------------------------|-----|---|-------|-------|
|  | EcoLine, aluminum enclosure | A | P | | |
| | | 160 | 5 | | 75066 |
| IP67 | | | | | |

Drawing 2 MB 266

| Panel mounted inlet | | | | 400 V | |
|---|-----------------------------|-----|---|-------|-------|
|  | EcoLine, aluminum enclosure | A | P | | |
| | | 200 | 4 | | 75261 |
| | | 200 | 5 | | 75266 |
| IP67 | | | | | |

Drawing 2 MB 196

| Panel mounted inlet | | | | 400 V | |
|--|-------------------------------|-----|---|-------|-------|
|  | MetalLine, aluminum enclosure | A | P | | |
| | | 250 | 4 | | 75284 |
| | | 250 | 5 | | 75287 |
| | | 400 | 4 | | 75291 |
| IP67 | | | | | |

Drawing 2 MB 199/1

| Panel mounted inlet | | | | 400 V | |
|---|--------------------------|-----|---|-------|-------|
|  | EcoLine, 15° inclination | A | P | | |
| | | 200 | 5 | | 75316 |
| IP67 | | | | | |

Drawing 2 MB 247

| Panel mounted inlet angled | | | | 400 V | |
|---|--|-----|---|-------|-------|
|  | EcoLine, aluminum enclosure, 15° inclination | A | P | | |
| | | 250 | 5 | | 75324 |
| IP67 | | | | | |

Drawing 2 MB 248

| Panel mounted inlet | | | | 400 V | |
|---|--|-----|---|-------|-------|
|  | MetalLine, aluminum enclosure, 15° inclination | A | P | | |
| | | 250 | 4 | | 75321 |
| | | 250 | 5 | | 75326 |
| | | 400 | 4 | | 75331 |
| | | 400 | 5 | | 75336 |
| IP67 | | | | | |

Drawing 2 MB 248

| Connector | | | | 400 V | |
|--|---|-----|---|-------|-------|
|  | EcoLine, plastic enclosure, aluminum front part, with cable gland | A | P | | |
| | | 160 | 4 | | 75059 |
| | | 160 | 5 | | 75065 |
| IP67 | | | | | |

| Connector | | | | 400 V | |
|---|---|-----|---|-------|-------|
|  | EcoLine, plastic enclosure, aluminum front part, with cable gland | A | P | | |
| | | 200 | 4 | | 75211 |
| | | 200 | 5 | | 75216 |
| | | 250 | 4 | | 75317 |
| | | 250 | 5 | | 75076 |
| IP67 | | | | | |

| Connector | | | | 400 V | |
|--|---|-----|---|-------|-------|
|  | MetalLine, aluminum enclosure, with cable gland | A | P | | |
| | | 250 | 4 | | 75011 |
| | | 250 | 5 | | 75101 |
| | | 400 | 4 | | 75016 |
| | | 400 | 5 | | 75106 |
| IP67 | | | | | |

| Connector | | | | 400 V | |
|---|---|-----|---|-------|-------|
|  | MetalLine, aluminum enclosure, with cable gland | A | P | | |
| | | 600 | 4 | | 75333 |
| | | 600 | 5 | | 75334 |
| IP67 | | | | | |

CEE 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.

Products with the Icon  are highly resistant to chemicals. Other voltages and frequencies available on request.

For drawings and dimensions see page 19 - 26.

Wall mounted receptacle Drawing 1 MB 622

nickel plated contacts

| A | P | h | 380 - 440 V |
|----|---|---|-------------|
| 32 | 4 | 3 | 9562 |

 IP67

Wall mounted receptacle DUOi R Drawing 1 MB 716

LED voltage indicator, X-CONTACT, switched, mechanical DUO-interlock, 3 pole switch

| A | P | h | 380 - 440 V |
|----|---|---|-------------|
| 32 | 4 | 3 | 5714403G |

 IP67 / IP69

Wall mounted receptacle Drawing 1 MB 181

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

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

 IP67

Panel mounted receptacle Drawing 1 MB 141

nickel plated contacts, straight

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

 IP67

Plug AM-TOP

single part body, screw terminals

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

 IP67

Phase sequence test plug

earthing contact in the 3 o'clock position, conforming to VDE 0413 part 9

| A | P | h | 380 - 440 V |
|----|---|---|-------------|
| 32 | 4 | 3 | 3718 |

 IP44

Panel mounted inlet

with hinged lid

| A | P | h | 380 - 440 V |
|----|---|---|-------------|
| 32 | 4 | 3 | 2692 |

 IP67

Connector AM-TOP

single part body, screw terminals

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

 IP67

AMAXX Receptacle combination

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

| A | P | h | 380 - 440 V |
|----|---|---|-------------|
| 32 | 4 | 3 | 940027 |

 IP67

Panel mounted receptacle Drawing 5 MB 57

switched, with mechanical DUO-interlock

| A | P | h | 380 - 440 V |
|----|---|---|-------------|
| 32 | 4 | 3 | 7538 |

 IP67

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 |

 IP54

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 |

 IP54

Panel mounted receptacle SCHUKO® Drawing 1 MB 5861

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

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

 IP54

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 | |

 IP44

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 |

 IP20

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 |

 IP44

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 |
| green | 10841 |

 IP44

Connector SCHUKO®

with grommet and lid

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

 IP44

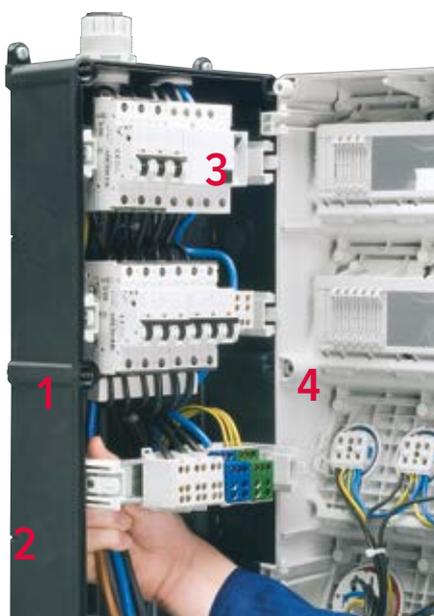
AMAXX receptacle combinations

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.

AMAXX receptacle combinations

Pre-wired for installation, IP44 or IP67. Enclosure front cover light grey RAL 7035 (standard), yellow (GE) RAL 1021 or white aluminum (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 mm ² |
| 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 mm ² |
| 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 mm ² |
| 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 mm ² |
| 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 mm ² |
| 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 mm ² |
| Connection and load values |
| Pre-fuse max. 100 A InA 30 A RDF 0.95 |
| Enclosure size |
| 390 x 225 mm (H x W) |
| Part no. |
| 930022 IP67 |



| |
|--|
| Receptacles |
| 1 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 mm ² |
| 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 mm ² |
| 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 light grey RAL 7035 (standard), yellow (GE) RAL 1021 or white aluminium (SI) RAL 9006 or AMELAN  grey RAL 7000, hinged to the side (except enclosure size 130 x 225 mm), fusing behind a transparent cover.



| |
|--|
| Receptacles |
| 2 CEE 16 A, 3 p, 230 V |
| Fusing |
| 1 RCD 25 A, 2 p, 0.03 A |
| Connection/feeder cable |
| for 1 cable up to 3 x 10 mm ² |
| Connection and load values |
| Pre-fuse max. 16 A InA 25 A RDF 1 |
| Enclosure size |
| 260 x 225 mm (H x W) |
| Part no. |
| 920821 IP67 |



| |
|---|
| 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 |
| 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 1 cable up to 5 x 10 mm ² |
| Connection and load values |
| Pre-fuse max. 32 A InA 32 A RDF 1 |
| Enclosure size |
| 260 x 225 mm (H x W) |
| Part no. |
| 970005GE IP44 |



| |
|---|
| Receptacles |
| 3 SCHUKO® 16 A, 230 V |
| Fusing |
| |
| Connection/feeder cable |
| 1.5 m H07RN-F3G1.5 with plug SCHUKO® 16 A, 230 V |
| Connection and load values |
| |
| Enclosure size |
| 130 x 225 mm (H x W) |
| Part no. |
| 910031 IP44 |



| |
|--|
| 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 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 |
| 2 m supply H07RN-F5G4 with CEE plug 32 A, 5 p, 400 V |
| Connection and load values |
| Pre-fuse max. 32 A InA 32 A RDF 1 |
| Enclosure size |
| 390 x 225 mm (H x W) |
| Part no. |
| 931237 IP44 |

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)



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

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)



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 outdoors and indoors

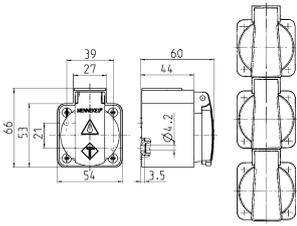
Short routes to your energy source for industry, workshops, assembly shops, loading platforms, etc.



Drawings and dimensions

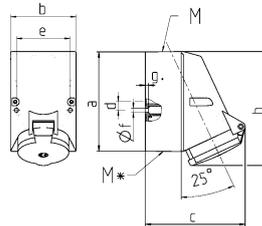
The sizes for the entries on the drawings can be different to the real existing entry sizes. Subject to modification and amendments without prior notice. Errors and omissions excepted.

1 MB 27/30



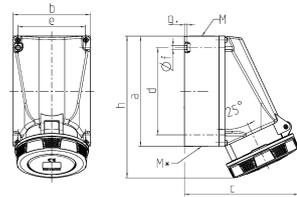
Drawing
1 MB 27/30
Dim. in mm

1 MB 43



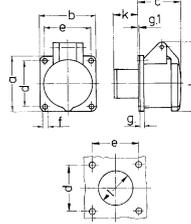
| Drawing 1 MB 43 | Amp. Poles | 16 | | | 32 | | |
|---|---------------|----------------------------|-----|-------|----------------------------|-------|--|
| | | 4 | 5 | 3 | 4 | 5 | |
| Dim. in mm | a | 128 | 128 | 128 | 128 | 128 | |
| | b | 84 | 84 | 84 | 84 | 84 | |
| | c | 122 | 124 | 136 | 136 | 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 (mm ²) min.-max. | | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 | |
| | | -4 | -4 | -10 | -10 | -10 | |

1 MB 112



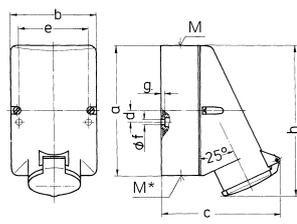
| Drawing 1 MB 112 | Amp. Poles | 63 | | |
|---|---------------|----------------------------|-------|-------|
| | | 3 | 4 | 5 |
| Dim. in mm | a | 170 | 170 | 170 |
| | b | 118 | 118 | 118 |
| | c | 175 | 175 | 175 |
| | d | 134.5 | 134.5 | 134.5 |
| | e | 103 | 103 | 103 |
| | f | 6.1 | 6.1 | 6.1 |
| | 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 (mm ²) min.-max. | | -25 | -25 | -25 |

1 MB 136



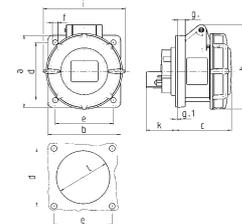
| Drawing 1 MB 136 | Amp. Poles | 16 | | | 32 | | |
|---|---------------|-----|-----|-----|-----|--|--|
| | | 2 | 3 | 2 | 3 | | |
| Dim. in mm | a | 55 | 55 | 55 | 55 | | |
| | b | 55 | 55 | 55 | 55 | | |
| | c | 44 | 44 | 44 | 44 | | |
| | d | 45 | 45 | 45 | 45 | | |
| | e | 45 | 45 | 45 | 45 | | |
| | f | 4.2 | 4.2 | 4.2 | 4.2 | | |
| | g | 8 | 8 | 8 | 8 | | |
| | g.1 | 2 | 2 | 2 | 2 | | |
| | h | 67 | 67 | 67 | 67 | | |
| | k | 22 | 22 | 22 | 22 | | |
| | l | 34 | 34 | 34 | 34 | | |
| Terminal for cond. cross section (mm ²) min.-max. | | -10 | -10 | -10 | -10 | | |

1 MB 137



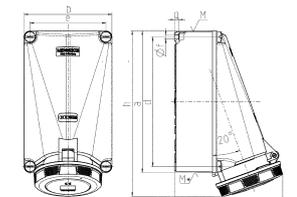
| Drawing 1 MB 137 | Amp. Poles | 16 | | 32 | |
|---|---------------|----------------------------|-----|----------------------------|-----|
| | | 2 | 3 | 2 | 3 |
| Dim. in mm | a | 128 | 128 | 128 | 128 |
| | b | 84 | 84 | 84 | 84 |
| | c | 120 | 120 | 120 | 120 |
| | d | 11 | 11 | 11 | 11 |
| | e | 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 (mm ²) min.-max. | | 4 | 4 | 4 | 4 |
| | | -2x6 | -10 | -2x6 | -10 |

1 MB 141



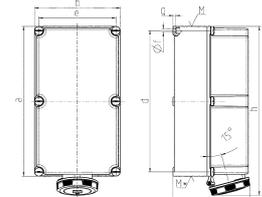
| Drawing 1 MB 141 | Amp. Poles | 16 | | | 32 | | |
|---|---------------|-----|-----|-----|-----|-----|-----|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | a | 75 | 75 | 75 | 85 | 85 | 85 |
| | b | 75 | 75 | 75 | 75 | 75 | 75 |
| | c | 60 | 61 | 61 | 70 | 70 | 72 |
| | d | 60 | 60 | 60 | 60 | 60 | 60 |
| | 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 (mm ²) min.-max. | | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 |
| | | -4 | -4 | -4 | -10 | -10 | -10 |

1 MB 162



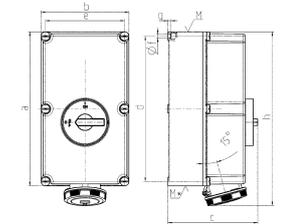
| Drawing 1 MB 162 | Amp. Poles | 125 | |
|---|---------------|-----|-----|
| | | 4 | 5 |
| Dim. in mm | a | 264 | 264 |
| | b | 163 | 163 |
| | c | 200 | 200 |
| | d | 240 | 240 |
| | e | 140 | 140 |
| | f | 8.1 | 8.1 |
| | g | 8 | 8 |
| | h | 306 | 306 |
| | M | 50 | 50 |
| | M* | 50 | 50 |
| Max. cable diam. (mm) | | 38 | 38 |
| Terminal for cond. cross section (mm ²) min.-max. | | 25 | 25 |
| | | -35 | -35 |

1 MB 163



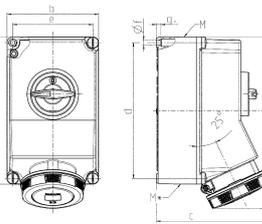
| Drawing 1 MB 163 | Amp. Poles | 125 | |
|---|---------------|------|------|
| | | 4 | 5 |
| Dim. in mm | a | 460 | 460 |
| | b | 260 | 260 |
| | c | 234 | 234 |
| | d | 434 | 434 |
| | e | 234 | 234 |
| | f | 11 | 11 |
| | g | 9 | 9 |
| | h | 519 | 519 |
| | M | 63 | 63 |
| | M* | 2x63 | 2x63 |
| Max. cable diam. (mm) | | 44 | 44 |
| Terminal for cond. cross section (mm ²) min.-max. | | 25 | 25 |
| | | -70 | -70 |

1 MB 177



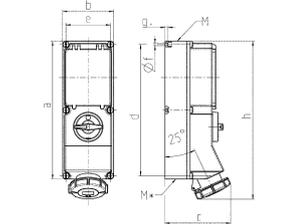
| Drawing 1 MB 177 | Amp. Poles | 125 | | |
|---|---------------|------|------|------|
| | | 3 | 4 | 5 |
| Dim. in mm | a | 460 | 460 | 460 |
| | b | 260 | 260 | 260 |
| | c | 270 | 270 | 270 |
| | d | 434 | 434 | 434 |
| | e | 234 | 234 | 234 |
| | f | 11 | 11 | 11 |
| | g | 9 | 9 | 9 |
| | h | 519 | 519 | 519 |
| | M | 63 | 63 | 63 |
| | M* | 2x63 | 2x63 | 2x63 |
| Max. cable diam. (mm) | | 44 | 44 | 44 |
| Terminal for cond. cross section (mm ²) min.-max. | | 25 | 25 | 25 |
| | | -35 | -35 | -35 |

1 MB 180



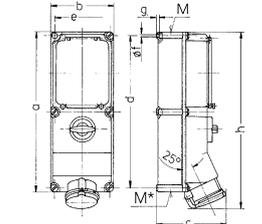
| Drawing 1 MB 180 | Amp. Poles | 63 | | |
|---|---------------|----------------------|-----|-----|
| | | 3 | 4 | 5 |
| Dim. in mm | a | 260 | 260 | 260 |
| | b | 160 | 160 | 160 |
| | c | 198 | 198 | 198 |
| | d | 240 | 240 | 240 |
| | e | 140 | 140 | 140 |
| | f | 8.1 | 8.1 | 8.1 |
| | g | 8 | 8 | 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 (mm ²) min.-max. | | 6 | 6 | 6 |
| | | -25 | -25 | -25 |

1 MB 181



| Drawing 1 MB 181 | Amp. Poles | 16 | | | | 32 | | | |
|---|---------------|-------|-------|-------|-------|-------|--|--|--|
| | | 3 | 4 | 5 | 4 | 5 | | | |
| Dim. in mm | a | 364 | 364 | 364 | 364 | 364 | | | |
| | b | 134 | 134 | 134 | 134 | 134 | | | |
| | c | 160 | 162 | 163 | 168 | 168 | | | |
| | d | 347 | 347 | 347 | 347 | 347 | | | |
| | e | 117 | 117 | 117 | 117 | 117 | | | |
| | f | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | | | |
| | g | 8 | 8 | 8 | 8 | 8 | | | |
| | h | 391 | 395 | 398 | 408 | 411 | | | |
| | M | 32/40 | 32/40 | 32/40 | 32/40 | 32/40 | | | |
| | M* | 2x32 | 2x32 | 2x32 | 2x32 | 2x32 | | | |
| Max. cable diam. (mm) | | 27 | 27 | 27 | 27 | 27 | | | |
| Terminal for cond. cross section (mm ²) min.-max. | | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | | | |
| | | -4 | -4 | -4 | -10 | -10 | | | |

1 MB 208

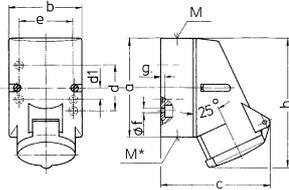


| Drawing 1 MB 208 | Amp. Poles | 16 | | | 32 | | | 63 | | |
|---|---------------|-------|-------|-------|-------|-------|------|------|--|--|
| | | 3 | 4 | 5 | 4 | 5 | 4 | 5 | | |
| Dim. in mm | a | 364 | 364 | 364 | 364 | 364 | 460 | 460 | | |
| | b | 134 | 134 | 134 | 134 | 134 | 180 | 180 | | |
| | 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 | 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 (mm ²) min.-max. | | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 6 | 6 | | |
| | | -4 | -4 | -4 | -10 | -10 | -25 | -25 | | |

Drawings and dimensions

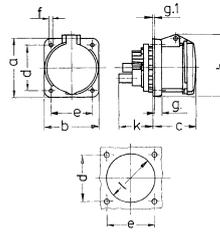
The sizes for the entries on the drawings can be different to the real existing entry sizes. Subject to modification and amendments without prior notice. Errors and omissions excepted.

1 MB 209



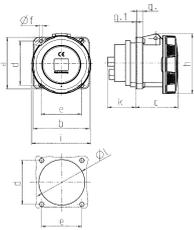
| Drawing 1 MB 209 | Amp. Poles | 16 | | |
|--|-----------------------|-----|-----|---|
| | | 3 | 4 | 5 |
| Dim. in mm | | | | |
| a | 87 | 100 | 100 | |
| b | 64 | 75 | 75 | |
| c | 99 | 110 | 113 | |
| d | 40 | - | - | |
| e | - | 11 | 11 | |
| f | 50 | 59 | 59 | |
| g | 4.5 | 5 | 5 | |
| g.1 | 4 | 4 | 4 | |
| h | 115 | 125 | 128 | |
| M | 20 | 20 | 20 | |
| M* | (blind) to be cut out | | | |
| Max. cable diam. (mm) | 15 | 15 | 15 | |
| Terminal for cond. cross section (mm²) min.-max. | 1.5 | 1.5 | 1.5 | |
| | -4 | -4 | -4 | |

1 MB 211



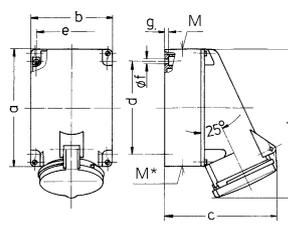
| Drawing 1 MB 211 | Amp. Poles | 63 | | |
|--|---------------|-----|-----|---|
| | | 3 | 4 | 5 |
| Dim. in mm | | | | |
| a | 107 | 107 | 107 | |
| b | 100 | 100 | 100 | |
| c | 80 | 80 | 80 | |
| d | 85 | 85 | 85 | |
| e | 77 | 77 | 77 | |
| f | 6 | 6 | 6 | |
| g | 12 | 12 | 12 | |
| g.1 | 2 | 2 |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

1 MB 212



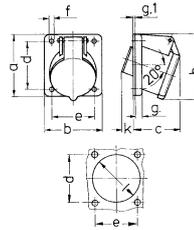
| Drawing 1 MB 212 | Amp. Poles | 63 | | |
|--|---------------|-----|-----|---|
| | | 3 | 4 | 5 |
| Dim. in mm | | | | |
| a | 107 | 107 | 107 | |
| b | 100 | 100 | 100 | |
| c | 81 | 81 | 81 | |
| d | 85 | 85 | 85 | |
| e | 77 | 77 | 77 | |
| f | 6 | 6 | 6 | |
| g | 12 | 12 | 12 | |
| g.1 | 2 | 2 | 2 | |
| h | 117 | 117 | 117 | |
| i | 113 | 113 | 113 | |
| k | 55 | 55 | 55 | |
| l | 88 | 88 | 88 | |
| Terminal for cond. cross section (mm²) min.-max. | 6 | 6 | 6 | |
| | -25 | -25 | -25 | |

1 MB 213



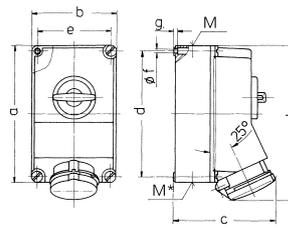
| Drawing 1 MB 213 | Amp. Poles | 63 | | |
|--|-----------------------------|-------|-------|---|
| | | 3 | 4 | 5 |
| Dim. in mm | | | | |
| a | 170 | 170 | 170 | |
| b | 118 | 118 | 118 | |
| c | 164 | 164 | 164 | |
| d | 134.5 | 134.5 | 134.5 | |
| e | 103 | 103 | 103 | |
| f | 6.1 | 6.1 | 6.1 | |
| 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



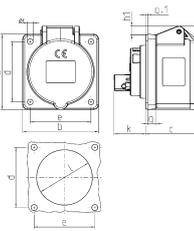
| Drawing 1 MB 231 | Amp. Poles | 16 | | 32 | |
|--|---------------|-----|-----|-----|-----|
| | | 2 | 3 | 2 | 3 |
| Dim. in mm | | | | | |
| a | 68 | 68 | 75 | 68 | 68 |
| b | 62 | 62 | 75 | 62 | 62 |
| c | 42 | 42 | 53 | 42 | 42 |
| d | 53 | 53 | 64 | 53 | 53 |
| e | 47 | 47 | 53 | 47 | 47 |
| f | 4.5 | 4.5 | 5.5 | 4.5 | 4.5 |
| g | 8 | 8 | 8 | 8 | 8 |
| g.1 | 2 | 2 | 2 | 2 | 2 |
| h | 72 | 72 | 89 | 72 | 72 |
| k | 32 | 32 | 39 | 32 | 32 |
| l | 55 | 55 | 67 | 55 | 55 |
| Terminal for cond. cross section (mm²) min.-max. | 4 | 4 | 4 | 4 | 4 |
| | -10 | -10 | -10 | -10 | -10 |

1 MB 234



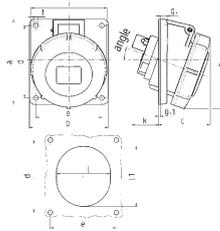
| Drawing 1 MB 234 | Amp. Poles | 63 | | |
|--|---------------|-----|-----|---|
| | | 3 | 4 | 5 |
| Dim. in mm | | | | |
| a | 264 | 264 | 264 | |
| b | 163 | 163 | 163 | |
| c | 192 | 192 | 192 | |
| d | 240 | 240 | 240 | |
| e | 140 | 140 | 140 | |
| f | 8.1 | 8.1 | 8.1 | |
| g | 8 | 8 | 8 | |
| h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

1 MB 247



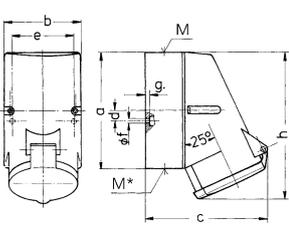
| Drawing 1 MB 247 | Amp. Poles | 16 | | | 32 | | |
|--|---------------|-----|-----|-----|-----|-----|---|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | | | | | | | |
| a | 75 | 75 | 75 | 75 | 75 | 75 | |
| b | 75 | 75 | 75 | 75 | 75 | 75 | |
| c | 53 | 53 | 53 | 64 | 64 | 65 | |
| d | 60 | 60 | 60 | 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 | |
| k | 6 | 8 | 11 | 11 | 11 | 12 | |
| l | 31 | 32 | 32 | 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



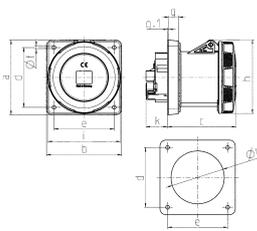
| Drawing 1 MB 251 | Amp. Poles | 16 | | | 32 | | | |
|--|---------------|-----|-----|-----|-----|-----|-----|-----|
| | | 3 | 4 | 5 | 3 | 4 | 5 | 7 |
| Dim. in mm | | | | | | | | |
| a | 73.5 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| b | 64 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| c | 52 | 60 | 62 | 62 | 64 | 64 | 66 | 66 |
| d | 60 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| e | 52 | 77 | 77 | 77 | 77 | 77 | 77 | 77 |
| f | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| g | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| g.1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| h | 84 | 100 | 105 | 105 | 109 | 109 | 113 | 113 |
| i | 78 | 85 | 96 | 96 | 103 | 103 | 110 | 110 |
| k | 43 | 32 | 32 | 39 | 53 | 53 | 45 | 54 |
| l | 52 | 55 | 65 | 65 | 67 | 67 | 72 | 72 |
| l | 60 | 63 | 72 | 72 | 82 | 82 | 85 | 85 |
| o | 20° | 20° | 20° | 20° | 20° | 20° | 20° | 20° |
| Terminal for cond. cross section (mm²) min.-max. | 1.5 | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| | -4 | -4 | -4 | -4 | -10 | -10 | -10 | -10 |

1 MB 257



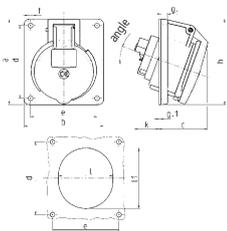
| Drawing 1 MB 257 | Amp. Poles | 16 | | | 32 | | | |
|--|----------------------------|-----|-----|-----|----------------------------|-----|---|--|
| | | 7 | 7 | 7 | 7 | 7 | 7 | |
| Dim. in mm | | | | | | | | |
| a | 128 | 128 | 128 | 128 | 128 | 128 | | |
| b | 84 | 84 | 84 | 84 | 84 | 84 | | |
| c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

1 MB 258



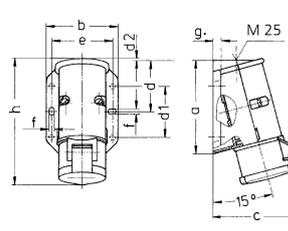
| Drawing 1 MB 258 | Amp. Poles | 125 | |
|--|---------------|-----|-----|
| | | 5 | 5 |
| Dim. in mm | | | |
| a | 130 | 130 | 130 |
| b | 130 | 130 | 130 |
| c | 119 | 119 | 119 |
| d | 104 | 104 | 104 |
| e | 104 | 104 | 104 |
| f | 6.5 | 6.5 | 6.5 |
| g | 18 | 18 | 18 |
| g.1 | 2 | 2 | 2 |
| h | 129 | 129 | 129 |
| i | 126 | 126 | 126 |
| k | 43 | 43 | 43 |
| l | 98 | 98 | 98 |
| Terminal for cond. cross section (mm²) min.-max. | 25 | 25 | 25 |
| | -70 | -70 | -70 |

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 | 100 |
| b | 64 | 92 | 92 | 92 | 92 | 92 | 92 |
| c | 50 | 59 | 58 | 58 | 62 | 61 | 61 |
| d | 60 | 85 | 85 | 85 | 85 | 85 | 85 |
| e | 52 | 77 | 77 | 77 | 77 | 77 | 77 |
| f | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| g | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| g.1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| h | 79 | 100 | 100 | 100 | 103 | 103 | 106 |
| k | 44 | 34 | 34 | 40 | 54 | 54 | 49 |
| l | 52 | 55 | 65 | 65 | 67 | 67 | 72 |
| l | 60 | 63 | 72 | 72 | 82 | 82 | 85 |
| o | 20° | 20° | 20° | 20° | 20° | 20° | 20° |
| Terminal for cond. cross section (mm²) min.-max. | 1.5 | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 |
| | -4 | -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 | 96 |
| b | 73 | 73 | 73 | 73 | 73 |
| c | 90 | 90 | 90 | 90 | 90 |
| d | 53 | 53 | 53 | 53 | 53 |
| d1 | 52 | 52 | 52 | 52 | 52 |
| d2 | 2 | 2 | 2 | 2 | 2 |
| e | 62 | 62 | 62 | 62 | 62 |
| f | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| g | 8 | 8 | 8 | 8 | 8 |
| h | 129 | 129 | 129 | 129 | 129 |
| Terminal for cond. cross section (mm²) min.-max. | 4 | 4 | 4 | 4 | 4 |
| | | | | | |

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 (mm ²) min.-max. | | 6 | 6 | 6 |
| | | -25 | -25 | -25 |

1 MB 298

| Drawing 1 MB 298 | 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 |
| | g ² | 2 | 2 | 2 |
| | h | 128 | 128 | 128 |
| | i | 113 | 113 | 113 |
| | k | 67 | 67 | 67 |
| | ll | 92 | 92 | 92 |
| | l2 | 98 | 98 | 98 |
| | α | 20 | 20 | 20 |
| Terminal for cond. cross section (mm ²) min.-max. | | 6 | 6 | 6 |
| | | -25 | -25 | -25 |

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 |
| | l | 50 | 60 | 67 | 65 | 65 | 73 |
| | m | - | - | - | 70 | 70 | 76 |
| 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 |

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 | 153 | 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 (mm ²) 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 (mm ²) min.-max. | | 1.5 | 1.5 | 2.5 | 2.5 |
| | | -4 | -4 | -10 | -10 |

1 MB 384

| Drawing 1 MB 384 | Amp. Poles | 16 | | 32 | |
|---|---------------|---------------|---------------|---------------|---------------|
| | | 7 | 7 | 7 | 7 |
| Dim. in mm | a | 225 | 225 | 225 | 225 |
| | b | 118 | 118 | 118 | 118 |
| | c | 147 | 153 | 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 (mm ²) min.-max. | | 1.5 | 1.5 | 2.5 | 2.5 |
| | | -4 | -4 | -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 385

Drawing 1 MB 385

Dim. in mm

1 MB 386

Dim. in mm.

1 MB 387

Dim. in mm.

1 MB 388

Drawing 1 MB 388

Dim. in mm

1 MB 389/1

Drawing 1 MB 389/1

Dim. in mm

1 MB 403/2

Dim. in mm.

1 MB 404/2

Dim. in mm.

1 MB 410

Drawing 1 MB 410

Dim. in mm

Installation dimensions in mm

1 MB 450

Drawing 1 MB 450

Dim. in mm

| | Dim. A | | |
|--------------------------|--------|--|--|
| SCHUKO | 19.0 | | |
| French/Belgian standards | 15.8 | | |
| Danish standards | 15.8 | | |

1 MB 452

Drawing 1 MB 452

| Amp. Poles | 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 |

1 MB 453

Drawing 1 MB 453

| Amp. Poles | 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 | 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 | 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 (mm ²) 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 |
| 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 (mm ²) min.-max. | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | -4 | -4 | -4 | -6 | -6 | -6 |

1 MB 464

Drawing 1 MB 464

| Amp. Poles | 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 | 95 |
| h1 | 5 | 8 | 10 | 10 | 10 | 12 |
| 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 |

1 MB 465

Drawing 1 MB 465

| Amp. Poles | 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 |
| lt | 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 |

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 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 |
| | 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 |

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 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 |
| | | -4 | -4 | -4 | -6 | -6 | -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 | Ø7 | Ø7 | Ø7 | Ø7 | Ø7 | Ø7 |
| | 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 | Ø7 | Ø7 | Ø7 | Ø7 | Ø7 | Ø7 |
| | g | 8 | 8 | 8 | 8 | 8 | 8 |

1 MB 584

| Drawing 1 MB 584 | Amp. Poles | 16 | | | 32 | | |
|---|---------------|-----|-----|-----|-----|-----|-----|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | a | 110 | 114 | 114 | 114 | 114 | 114 |
| | b | 106 | 110 | 110 | 110 | 110 | 110 |
| | c | 84 | 75 | 75 | 75 | 75 | 75 |
| | d | 90 | 90 | 90 | 90 | 90 | 90 |
| | e | 90 | 90 | 90 | 90 | 90 | 90 |
| | f | 6.5 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 |
| | g | 12 | 13 | 13 | 13 | 13 | 13 |
| | g.1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | h | 128 | 133 | 133 | 133 | 133 | 133 |
| | i | 113 | 126 | 126 | 126 | 126 | 126 |
| | k | 67 | 103 | 103 | 103 | 103 | 103 |
| | l | 92 | 94 | 94 | 94 | 94 | 94 |
| | l1 | 98 | 107 | 107 | 107 | 107 | 107 |
| | c | 15° | 15° | 15° | 15° | 15° | 15° |
| Terminal for cond. cross section (mm ²) min.-max. | | 6 | 25 | 25 | 25 | 25 | 25 |
| | | -20 | -70 | -70 | -70 | -70 | -70 |

1 MB 5861

| Drawing 1 MB 5861 | Amp. Poles | 16 | | | 32 | | |
|---|---------------|------|------|------|------|------|------|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | a | 460 | 460 | 460 | 460 | 460 | 460 |
| | b | 180 | 180 | 180 | 180 | 180 | 180 |
| | c | 202 | 202 | 202 | 202 | 202 | 202 |
| | d | 440 | 440 | 440 | 440 | 440 | 440 |
| | e | 160 | 160 | 160 | 160 | 160 | 160 |
| | f | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| | g | 8 | 8 | 8 | 8 | 8 | 8 |
| | h | 505 | 505 | 505 | 505 | 505 | 505 |
| | M | 40 | 40 | 40 | 40 | 40 | 40 |
| | M* | 2x40 | 2x40 | 2x40 | 2x40 | 2x40 | 2x40 |
| Max. cable diam. (mm) | | 27 | 27 | 27 | 27 | 27 | 27 |
| Terminal for cond. cross section (mm ²) min.-max. | | 6 | 6 | 6 | 6 | 6 | 6 |
| | | -25 | -25 | -25 | -25 | -25 | -25 |

1 MB 601

| Drawing 1 MB 601 | Amp. Poles | 16 | | | 32 | | |
|---|---------------|----------------------------|----------------------------|------|------|------|------|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | a | 100 | 100 | 100 | 100 | 100 | 100 |
| | b | 101 | 101 | 101 | 109 | 109 | 109 |
| | c | 117 | 125 | 131 | 157 | 157 | 160 |
| | d | 50 | 50 | 50 | 50 | 50 | 50 |
| | e | 84 | 84 | 84 | 92 | 92 | 92 |
| | f1 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| | f2 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| | g | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| | h | 131 | 131 | 132 | 148 | 148 | 148 |
| | i | 24.7 | 24.7 | 24.7 | 27.5 | 27.5 | 27.5 |
| | M | 25 (optional M20) | 32 (optional M25) | | | | |
| | M* | 2x25 (blind) to be cut out | 2x25 (blind) to be cut out | | | | |
| | | 18 (M25) and 15 (M20) | 25 (M32) and 18 (M25) | | | | |
| Max. cable diam. (mm) | | 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 |

1 MB 620

| Drawing 1 MB 620 | 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 | 160 | 160 | 160 | 162 | 162 | 162 |
| | d | 208 | 208 | 208 | 208 | 208 | 208 |
| | e | 101 | 101 | 101 | 101 | 101 | 101 |
| | f | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| | g | 5 | 5 | 5 | 5 | 5 | 5 |
| | h | 238 | 244 | 243 | 249 | 249 | 250 |
| | i | 25 | 25 | 25 | 25 | 25 | 25 |
| | M | 1x25 and 1x32 | 1x25 and 1x32 | | | | |
| | 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. | | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| | | -10 | -10 | -10 | -10 | -10 | -10 |

1 MB 622

| Drawing 1 MB 622 | Amp. Poles | 16 | | | 32 | | |
|---|---------------|----------------------------|----------------------------|------|------|------|------|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | a | 100 | 100 | 100 | 100 | 100 | 100 |
| | b | 101 | 101 | 101 | 109 | 109 | 109 |
| | c | 117 | 125 | 131 | 157 | 157 | 160 |
| | d | 50 | 50 | 50 | 50 | 50 | 50 |
| | e | 84 | 84 | 84 | 92 | 92 | 92 |
| | f1 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| | f2 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| | g | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| | h | 131 | 131 | 132 | 148 | 148 | 148 |
| | i | 24.7 | 24.7 | 24.7 | 27.5 | 27.5 | 27.5 |
| | M | 25 (optional M20) | 32 (optional M25) | | | | |
| | M* | 2x25 (blind) to be cut out | 2x25 (blind) to be cut out | | | | |
| | | 18 (M25) and 15 (M20) | 25 (M32) and 18 (M25) | | | | |
| Max. cable diam. (mm) | | 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 |

1 MB 636

| Drawing 1 MB 636 | 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 | 160 | 160 | 160 | 162 | 162 | 162 |
| | d | 208 | 208 | 208 | 208 | 208 | 208 |
| | e | 101 | 101 | 101 | 101 | 101 | 101 |
| | f | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| | g | 5 | 5 | 5 | 5 | 5 | 5 |
| | h | 238 | 244 | 243 | 249 | 249 | 250 |
| | i | 25 | 25 | 25 | 25 | 25 | 25 |
| | M | 1x25 and 1x32 | 1x25 and 1x32 | | | | |
| | 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. | | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| | | -10 | -10 | -10 | -10 | -10 | -10 |

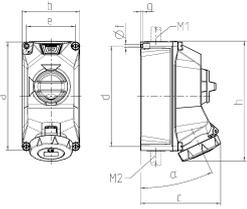
1 MB 637

| Drawing 1 MB 637 | Amp. Poles | 16 | | | 32 | | |
|---------------------|---------------|-----|-----|-----|-----|-----|-----|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | a | 225 | 225 | 225 | 225 | 225 | 225 |
| | | | | | | | |

Drawings and dimensions

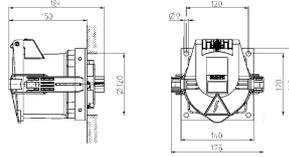
The sizes for the entries on the drawings can be different to the real existing entry sizes. Subject to modification and amendments without prior notice. Errors and omissions excepted.

1 MB 716



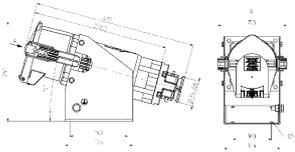
| Drawing 1 MB 716 | Amp. Poles | 16 | | | 32 | | |
|---------------------|--|---------------|------|------|---------------|------|------|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | a | 225 | 225 | 225 | 225 | 225 | 225 |
| | b | 118 | 118 | 118 | 118 | 118 | 118 |
| | c | 163 | 163 | 165 | 168 | 168 | 169 |
| | d | 208 | 208 | 208 | 208 | 208 | 208 |
| | e | 101 | 101 | 101 | 101 | 101 | 101 |
| | f | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| | g | 5 | 5 | 5 | 5 | 5 | 5 |
| | h | 241 | 245 | 249 | 252 | 252 | 255 |
| | o | | 25 | | | | |
| | M | 1x25 and 1x32 | | | 1x25 and 1x32 | | |
| | M* | 2x25 | 2x25 | 2x25 | 2x25 | 2x25 | 2x25 |
| | Max. cable diam. (mm) | 25 | 25 | 25 | 25 | 25 | 25 |
| | Terminal for cond. cross section (mm²) min.-max. | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| | | -10 | -10 | -10 | -10 | -10 | -10 |

1 MB 719



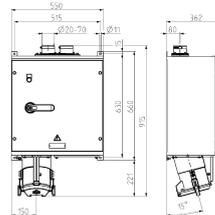
Drawing
1 MB 719
Dim. in mm

1 MB 720



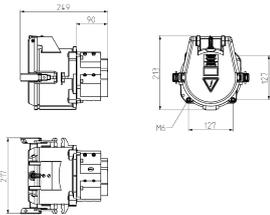
Drawing
1 MB 720
Dim. in mm

1 MB 723



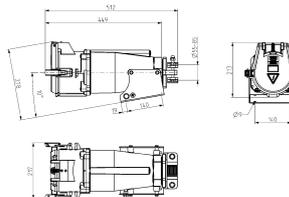
Drawing
1 MB 723
Dim. in mm

1 MB 724



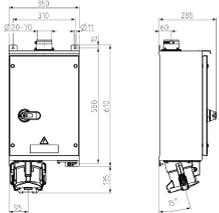
Drawing
1 MB 724
Dim. in mm

1 MB 725



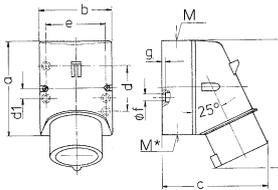
Drawing
1 MB 725
Dim. in mm

1 MB 728



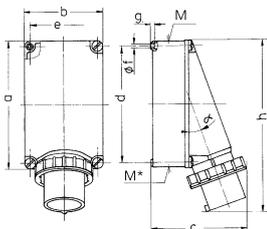
Drawing
1 MB 728
Dim. in mm

2 MB 32



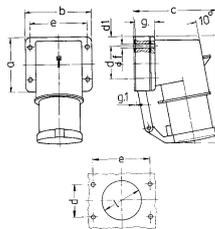
| Drawing 2 MB 32 | Amp. Poles | 16 | | | 32 | | |
|--------------------|--|----------------------------|------|------|----------------------------|-------|-------|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | a | 87 | 100 | 100 | 128 | 128 | 128 |
| | b | 64 | 75 | 75 | 84 | 84 | 84 |
| | c | 93 | 106 | 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 | 32 | 32 | 32 |
| | M* | 1x20 (blind) to be cut out | | | 2x25 (blind) to be cut out | | |
| | Max. cable diam. (mm) | 15 | 15 | 15 | 18/25 | 18/25 | 18/25 |
| | Terminal for cond. cross section (mm²) min.-max. | 1 | 1 | 1 | 2.5 | 2.5 | 2.5 |
| | | -2.5 | -2.5 | -2.5 | -6 | -6 | -6 |

2 MB 36



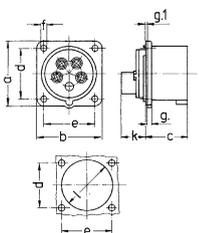
| Drawing 2 MB 36 | Amp. Poles | 63 | | | 125 | |
|--------------------|--|-------|-------|-------|-----|-----|
| | | 3 | 4 | 5 | 4 | 5 |
| Dim. in mm | a | 170 | 170 | 170 | 264 | 264 |
| | b | 118 | 118 | 118 | 163 | 163 |
| | c | 171 | 171 | 171 | 205 | 205 |
| | d | 134.5 | 134.5 | 134.5 | 240 | 240 |
| | e | 103 | 103 | 103 | 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) | 27 | 27 | 27 | 38 | 38 |
| | Terminal for cond. cross section (mm²) min.-max. | 6 | 6 | 6 | 16 | 16 |
| | | -16 | -16 | -16 | -35 | -35 |

2 MB 43



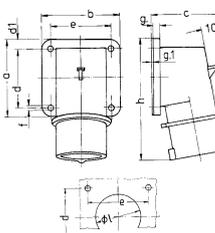
| Drawing 2 MB 43 | Amp. Poles | 16 | | | 32 | | |
|--------------------|--|------|------|-----|-----|-----|--|
| | | 4 | 5 | 3 | 4 | 5 | |
| Dim. in mm | a | 85 | 85 | 75 | 75 | 75 | |
| | b | 85 | 85 | 90 | 90 | 90 | |
| | c | 104 | 106 | 115 | 115 | 117 | |
| | d | 64 | 64 | 45 | 45 | 45 | |
| | d1 | 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 (mm²) min.-max. | 1 | 1 | 2.5 | 2.5 | 2.5 | |
| | | -2.5 | -2.5 | -6 | -6 | -6 | |

2 MB 68/853



| Drawing 2 MB 68/853 | Amp. Poles | 16 | |
|------------------------|--|------|--|
| | | 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 (mm²) min.-max. | 1 | |
| | | -2.5 | |

2 MB 73



| Drawing 2 MB 73 | 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 | 75 | 79 | 87 | 87 | 90 | |
| | d | 64 | 64 | 45 | 45 | 45 | |
| | d1 | 10 | 10 | 13 | 13 | 13 | |
| | e | 64 | 64 | 78 | 78 | 78 | |
| | f | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | |
| | g | 6 | 6 | 6 | 6 | 6 | |
| | g.1 | 2 | 2 | 2 | 2 | 2 | |
| | h | 129 | 129 | 137 | 137 | 138 | |
| | l | 50 | 50 | 55 | 55 | 55 | |
| | Terminal for cond. cross section (mm²) min.-max. | 1 | 1 | 2.5 | 2.5 | 2.5 | |
| | | -2.5 | -2.5 | -6 | -6 | -6 | |

Index of part numbers

| Part no. | Page |
|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| 31 | 5 | 611 | 9 | 1252A | 4 | 1717 | 5 | 3339 | 9 | 7218 | 8 | 11331 | 14 | 14516 | 7 |
| 32 | 5 | 612 | 9 | 1260A | 4 | 1719 | 5 | 3340 | 9 | 7219 | 8 | 11332 | 14 | 14520 | 7 |
| 100 | 4 | 616 | 9 | 1261A | 4 | 1720 | 5 | 3341 | 9 | 7220 | 8 | 11333 | 14 | 14521 | 7 |
| 101 | 4 | 617 | 9 | 1263A | 4 | 1721 | 5 | 3343 | 9 | 7221 | 8 | 11511 | 14 | 14522 | 7 |
| 102 | 4 | 623 | 9 | 1264A | 4 | 1723 | 5 | 3345 | 9 | 7222 | 8 | 11512 | 14 | 14523 | 7 |
| 103 | 4 | 624 | 9 | 1265A | 4 | 1724 | 5 | 3346 | 9 | 7238 | 8 | 11531 | 14 | 14550 | 7 |
| 104 | 4 | 625 | 9 | 1270 | 9 | 1730 | 5 | 3348 | 9 | 7241 | 8 | 11532 | 14 | 14551 | 7 |
| 105 | 4 | 629A | 9 | 1271 | 9 | 1733 | 5 | 3350 | 9 | 7242 | 8 | 13101 | 6 | 14556 | 7 |
| 110 | 4 | 630A | 9 | 1272 | 9 | 1734 | 5 | 3356 | 9 | 7243 | 8 | 13102 | 6 | 14557 | 7 |
| 111 | 4 | 636A | 9 | 1273 | 9 | 1735 | 5 | 3380 | 4 | 7244 | 8 | 13105 | 6 | 14558 | 7 |
| 128A | 4 | 637A | 9 | 1340 | 5 | 1739 | 5 | 3385 | 5 | 7503 | 8 | 13106 | 6 | 14561 | 7 |
| 129A | 4 | 638A | 9 | 1341 | 5 | 1740 | 5 | 3413 | 6 | 7504 | 8 | 13111 | 6 | 14562 | 7 |
| 131A | 4 | 642A | 9 | 1342 | 5 | 1745 | 5 | 3424 | 6 | 7507 | 8 | 13112 | 6 | 14563 | 7 |
| 132A | 4 | 643A | 9 | 1343 | 5 | 1746 | 5 | 3451 | 4 | 7512 | 8 | 13201 | 6 | 14572 | 7 |
| 134A | 4 | 649A | 9 | 1345 | 5 | 1750 | 5 | 3454 | 4 | 7516 | 8 | 13202 | 6 | 14573 | 7 |
| 135A | 4 | 650A | 9 | 1346 | 5 | 1751 | 5 | 3473 | 5 | 7520 | 8 | 13203 | 6 | 14574 | 7 |
| 136A | 4 | 651A | 9 | 1347 | 5 | 1755 | 5 | 3485 | 5 | 7521 | 8 | 13204 | 6 | 14577 | 7 |
| 137 | 4 | 681A | 9 | 1348 | 5 | 1756 | 5 | 3517 | 9 | 7524 | 8 | 13205 | 6 | 14578 | 7 |
| 138 | 4 | 682A | 9 | 1365 | 4 | 1786 | 5 | 3523 | 9 | 7526 | 8 | 13206 | 6 | 14579 | 7 |
| 139 | 4 | 688A | 9 | 1366 | 4 | 1787 | 5 | 3524 | 4 | 7530 | 8 | 13210 | 6 | 14582 | 7 |
| 142 | 4 | 689A | 9 | 1367 | 4 | 1788 | 5 | 3575 | 4 | 7531 | 8 | 13211 | 6 | 14584 | 7 |
| 143 | 4 | 694A | 9 | 1384 | 4 | 1790 | 5 | 3583 | 6 | 7534 | 8 | 13212 | 6 | 14619 | 7 |
| 204A | 4 | 695A | 9 | 1385 | 4 | 1791 | 5 | 3646 | 6 | 7536 | 8 | 13215 | 6 | 14620 | 7 |
| 205A | 4 | 701A | 9 | 1386 | 4 | 1795 | 5 | 3656 | 6 | 7602 | 8 | 13216 | 6 | 14621 | 7 |
| 208A | 4 | 702A | 9 | 1388 | 4 | 1796 | 5 | 3658 | 6 | 7603 | 8 | 13217 | 6 | 14622 | 7 |
| 209A | 4 | 703A | 9 | 1389 | 4 | 1797 | 5 | 3665 | 6 | 7605 | 8 | 13218 | 6 | 14624 | 7 |
| 211A | 4 | 733 | 10 | 1390 | 4 | 1802 | 5 | 3704 | 6 | 7607 | 8 | 13219 | 6 | 14625 | 7 |
| 212A | 4 | 734 | 10 | 1394 | 4 | 1803 | 5 | 3717 | 9 | 7612 | 8 | 13223 | 6 | 14626 | 7 |
| 215A | 4 | 735 | 10 | 1395 | 4 | 1804 | 5 | 3718 | 14 | 7613 | 8 | 13224 | 6 | 14627 | 7 |
| 216A | 4 | 736 | 10 | 1396 | 4 | 1805 | 5 | 3776 | 10 | 7614 | 8 | 13225 | 6 | 14629 | 7 |
| 217A | 4 | 737 | 10 | 1397 | 4 | 1808 | 5 | 3777 | 10 | 7616 | 8 | 13502 | 6 | 14630 | 7 |
| 218A | 4 | 738 | 10 | 1398 | 4 | 1809 | 5 | 3783 | 10 | 7620 | 8 | 13506 | 6 | 14631 | 7 |
| 219A | 4 | 740 | 10 | 1399 | 4 | 1810 | 5 | 3784 | 10 | 7621 | 8 | 13510 | 6 | 14632 | 7 |
| 221A | 4 | 741 | 10 | 1410 | 6 | 1813 | 5 | 3913 | 10 | 7623 | 8 | 13513 | 6 | 14635 | 7 |
| 222A | 4 | 742 | 10 | 1411 | 6 | 1814 | 5 | 3916 | 10 | 7624 | 8 | 13516 | 6 | 14636 | 7 |
| 227A | 4 | 743 | 10 | 1418 | 4 | 1820 | 5 | 3980 | 6 | 7626 | 8 | 13520 | 6 | 14637 | 7 |
| 228A | 4 | 744 | 10 | 1419 | 4 | 1825 | 9 | 3987 | 6 | 7629 | 8 | 13521 | 6 | 14641 | 7 |
| 229A | 4 | 745 | 10 | 1420 | 4 | 1831 | 9 | 4101 | 11 | 7634 | 8 | 13522 | 6 | 14642 | 7 |
| 230A | 4 | 746 | 10 | 1421 | 4 | 1832 | 9 | 4102 | 11 | 7636 | 8 | 13523 | 6 | 14643 | 7 |
| 231A | 4 | 747 | 10 | 1422 | 4 | 1835 | 9 | 4103 | 11 | 9104 | 5 | 13550 | 6 | 14649 | 7 |
| 232A | 4 | 748 | 10 | 1423 | 4 | 1837 | 9 | 4105 | 11 | 9105 | 5 | 13551 | 6 | 14650 | 7 |
| 233A | 4 | 749 | 10 | 1424 | 4 | 1838 | 9 | 4107 | 11 | 9106 | 5 | 13552 | 6 | 14651 | 7 |
| 234A | 4 | 750 | 10 | 1425 | 4 | 1844 | 9 | 4108 | 11 | 9120 | 5 | 13556 | 6 | 14652 | 7 |
| 238A | 4 | 752 | 10 | 1438 | 7 | 1845 | 9 | 4110 | 11 | 9121 | 5 | 13557 | 6 | 14653 | 7 |
| 239A | 4 | 800 | 6 | 1455 | 4 | 1848 | 9 | 4112 | 11 | 9122 | 5 | 13558 | 6 | 14654 | 7 |
| 240A | 4 | 801 | 6 | 1456 | 4 | 1850 | 9 | 4113 | 11 | 9140 | 5 | 13561 | 6 | 14658 | 7 |
| 315 | 6 | 802 | 6 | 1457 | 4 | 1851 | 5 | 4115 | 11 | 9141 | 5 | 13562 | 6 | 14659 | 7 |
| 318 | 9 | 803 | 6 | 1460 | 4 | 1852 | 5 | 4117 | 11 | 9142 | 5 | 13563 | 6 | 14660 | 7 |
| 319 | 9 | 804 | 6 | 1461 | 4 | 1856 | 5 | 4118 | 11 | 9150 | 5 | 13572 | 6 | 20970 | 9 |
| 322 | 9 | 812 | 6 | 1462 | 4 | 1860 | 5 | 4120 | 11 | 9151 | 5 | 13573 | 6 | 21241 | 9 |
| 325 | 9 | 813 | 6 | 1463 | 4 | 1861 | 5 | 4122 | 11 | 9152 | 5 | 13574 | 6 | 27001 | 4 |
| 327 | 9 | 815 | 6 | 1464 | 4 | 1955 | 9 | 4125 | 11 | 9170 | 5 | 13577 | 6 | 27002 | 4 |
| 328 | 9 | 816 | 6 | 1466 | 4 | 1961 | 9 | 4127 | 11 | 9171 | 5 | 13578 | 6 | 27004 | 4 |
| 331 | 6 | 817 | 6 | 1467 | 4 | 1962 | 9 | 4130 | 11 | 9172 | 5 | 13579 | 6 | 27005 | 4 |
| 332 | 6 | 819 | 6 | 1471 | 4 | 1967 | 9 | 4132 | 11 | 9181 | 5 | 13582 | 6 | 27006 | 4 |
| 333 | 6 | 821 | 6 | 1472 | 4 | 1968 | 9 | 4133 | 11 | 9182 | 5 | 13583 | 6 | 27008 | 4 |
| 334 | 6 | 825 | 6 | 1473 | 4 | 1975 | 9 | 4135 | 11 | 9300 | 4 | 13584 | 6 | 41404 | 11 |
| 335 | 6 | 826 | 6 | 1474 | 4 | 1978 | 9 | 4137 | 11 | 9301 | 4 | 13619 | 6 | 75001 | 13 |
| 336 | 6 | 827 | 6 | 1475 | 4 | 1980 | 9 | 4140 | 11 | 9302 | 4 | 13620 | 6 | 75006 | 13 |
| 338 | 9 | 829 | 6 | 1476 | 4 | 1981 | 6 | 4142 | 11 | 9321 | 4 | 13621 | 6 | 75011 | 13 |
| 339 | 9 | 830 | 6 | 1477 | 4 | 1982 | 6 | 4143 | 11 | 9322 | 4 | 13622 | 6 | 75016 | 13 |
| 340 | 6 | 831 | 6 | 1478 | 4 | 1983 | 6 | 4145 | 11 | 9341 | 4 | 13624 | 6 | 75021 | 12 |
| 341 | 6 | 832 | 6 | 1479 | 4 | 1984 | 6 | 4147 | 11 | 9342 | 4 | 13625 | 6 | 75026 | 12 |
| 342 | 6 | 834 | 6 | 1484 | 4 | 2123A | 14 | 4150 | 11 | 9350 | 4 | 13626 | 6 | 75031 | 12 |
| 343 | 6 | 835 | 6 | 1485 | 4 | 2162A | 4 | 4162 | 11 | 9351 | 4 | 13627 | 6 | 75036 | 12 |
| 344 | 6 | 836 | 6 | 1490 | 4 | 2166 | 10 | 4163 | 11 | 9352 | 4 | 13629 | 6 | 75041 | 12 |
| 345 | 6 | 837 | 6 | 1491 | 4 | 2167 | 10 | 4165 | 11 | 9371 | 4 | 13630 | 6 | 75046 | 12 |
| 347 | 6 | 838 | 6 | 1492 | 4 | 2175B | 14 | 4167 | 11 | 9372 | 4 | 13631 | 6 | 75053 | 12 |
| 348 | 6 | 839 | 6 | 1493 | 4 | 2177A | 14 | 4168 | 11 | 9380 | 4 | 13632 | 6 | 75055 | 13 |
| 352 | 6 | 840 | 6 | 1494 | 4 | 2179A | 4 | 4170 | 11 | 9381 | 4 | 13635 | 6 | 75057 | 13 |
| 353 | 6 | 843 | 6 | 1495 | 4 | 2180A | 4 | 4172 | 11 | 9382 | 4 | 13636 | 6 | 75058 | 12 |
| 354 | 6 | 844 | 6 | 1496 | 4 | 2181A | 4 | 4175 | 11 | 9530 | 10 | 13637 | 6 | 75059 | 13 |
| 356 | 6 | 854 | 9 | 1499 | 4 | 2212 | 10 | 4180 | 11 | 9531 | 10 | 13641 | 6 | 75063 | 12 |
| 357 | 6 | 856 | 4 | 1500 | 4 | 2213 | 10 | 4233 | 11 | 9532 | 10 | 13642 | 6 | 75065 | 13 |
| 360 | 6 | 859 | 9 | 1501 | 4 | 2255 | 10 | 4237 | 11 | 9562 | 14 | 13643 | 6 | 75066 | 13 |
| 361 | 6 | 891 | 6 | 1502 | 4 | 2296 | 10 | 4238 | 11 | 9590 | 10 | 13649 | 6 | 75067 | 12 |
| 363 | 6 | 903 | 4 | 1503 | 4 | 2317 | 10 | 4247 | 11 | 9591 | 10 | 13650 | 6 | 75068 | 12 |
| 364 | 6 | 905 | 4 | 1504 | 4 | 2324 | 10 | 4254 | 11 | 10081 | 14 | 13651 | 6 | 75070 | 12 |
| 367 | 6 | 1035 | 10 | 1505 | 4 | 2405 | 10 | 4262 | 11 | 10082 | 14 | 13652 | 6 | 75073 | 12 |
| 368 | 6 | 1040 | 10 | 1506 | 4 | 2459 | 10 | 4263 | 11 | 10083 | 14 | 13653 | 6 | 75075 | 13 |
| 392 | 6 | 1045 | 10 | 1551 | 4 | 2460 | 10 | 4273 | 11 | 10718 | 14 | 13654 | 6 | 75076 | 13 |
| 393 | 6 | 1050 | 10 | 1556 | 4 | 2478 | 9 | 4274 | 11 | 10749 | 14 | 13658 | 6 | 75077 | 13 |
| 394 | 6 | 1055 | 10 | 1557 | 4 | 2511 | 9 | 4275 | 11 | 10751 | 14 | 13659 | 6 | 75078 | 12 |
| 396 | 9 | 1060 | 10 | 1631 | 5 | 2692 | 14 | 4970 | 11 | 10754 | 14 | 13660 | 6 | 75080 | 12 |
| 397 | 9 | 1065 | 10 | 1632 | 5 | 2845 | 9 | 4971 | 11 | 10755 | 14 | 14101 | 7 | 75091 | 13 |
| 398 | 6 | 1070 | 10 | 1633 | 5 | 2852 | 9 | 4972 | 11 | 10837 | 14 | 14102 | 7 | 75096 | 13 |
| 399 | 6 | 1075 | 10 | 1637 | 5 | 2855 | 9 | 4973 | 11 | 10838 | 14 | 14105 | 7 | 75101 | 13 |
| 400 | 6 | 1080 | 10 | 1638 | 5 | 2864 | 9 | 4974 | 11 | 10839 | 14 | 14106 | 7 | 75106 | 13 |
| 402 | 6 | 1081 | 4 | 1642 | 5 | 2870 | 9 | 4976 | 11 | 10840 | 14 | 14111 | 7 | 75111 | 12 |
| 403 | 6 | 1103 | 4 | 1643 | 5 | 2883 | 10 | 4977 | 11 | 10841 | 14 | 14112 | 7 | 75116 | 12 |
| 405 | 6 | 1107 | 6 | 1667 | 5 | 3030 | 4 | 4979 | 11 | 10842 | 14 | 14201 | 7 | 75121 | 12 |
| 406 | 6 | 1123A | 4 | 1668 | 5 | 3031 | 4 | 4980 | 11 | 10843 | 14 | 14202 | 7 | 75126 | 12 |
| 410 | 6 | 1124A | 4 | 1669 | 5 | 3034 | 4 | 5109A | 8 | 10844 | 14 | 14203 | 7 | 75131 | 12 |
| 411 | 6 | 1127A | 4 | 1672 | 5 | 3036 | 4 | 5110A | 8 | 10845 | 14 | 14204 | 7 | 75136 | 12 |
| 412 | 6 | 1128A | 4 | 1673 | 5 | 3041 | 4 | 5112A | 8 | 10846 | 14 | 14205 | 7 | 75142 | 12 |
| 418 | 5 | 1131 | 5 | | | | | | | | | | | | |

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