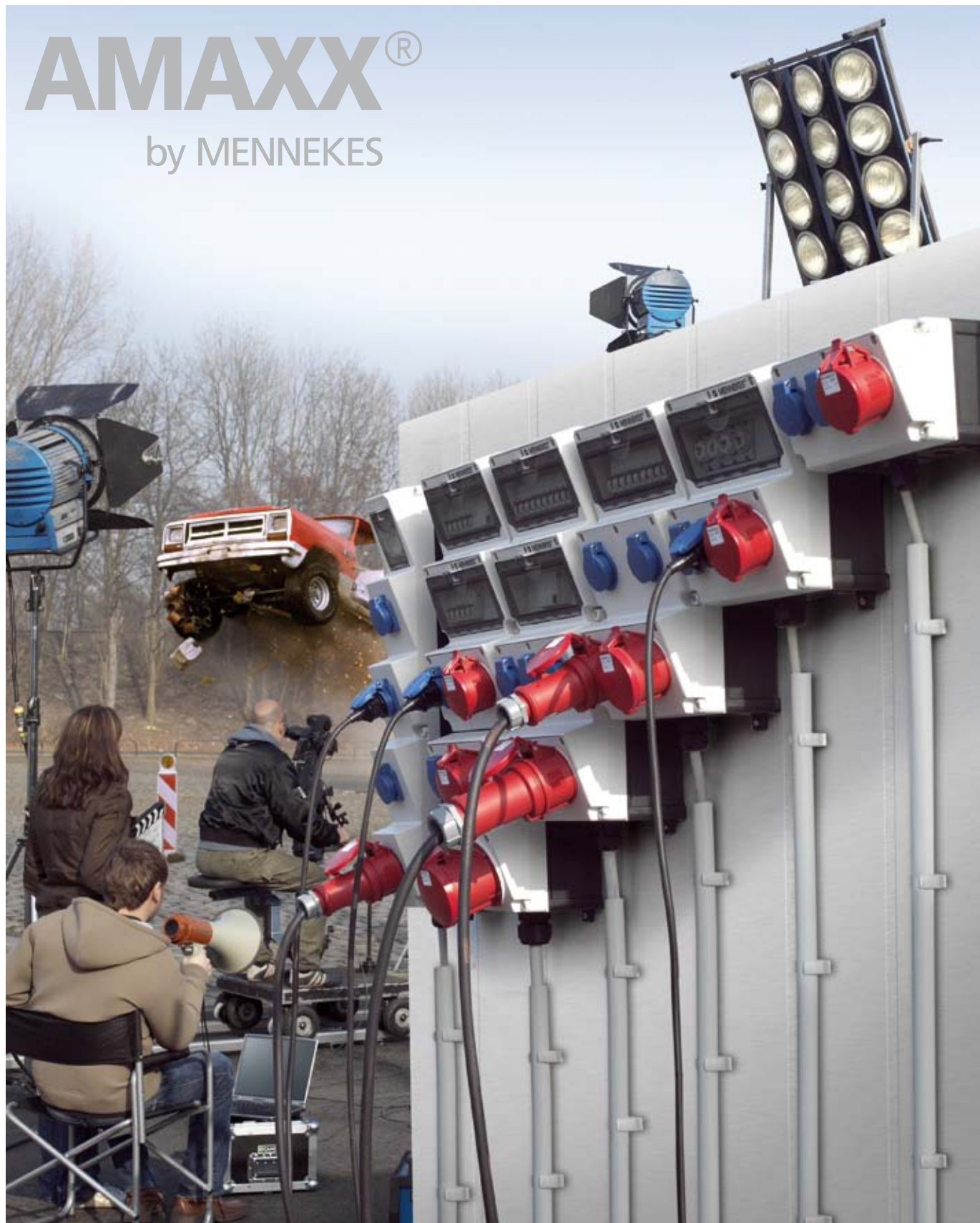


AMAXX®. Success in series.

AMAXX®
by MENNEKES



Superb design. Dependable technology.

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

The AMAXX® combination with five segments completes the program. We also feature largescale combinations with all known AMAXX® advantages.

NEW! With the suspendable receptacle combinations, MENNEKES rounds out the unique versatility of the AMAXX® family. The enclosures are fitted with electrical outlets and protective devices from two sides. A chain set is included with each combination. The suspension eyes are integrated in the enclosure and the shape of recesses allows water to run off through the bore of the suspension. A convenient handle at the bottom allows for easy insertion and removal of the plugs. The combinations are available in various designs and can also be equipped with an additional compressed air connection.



Receptacle combinations

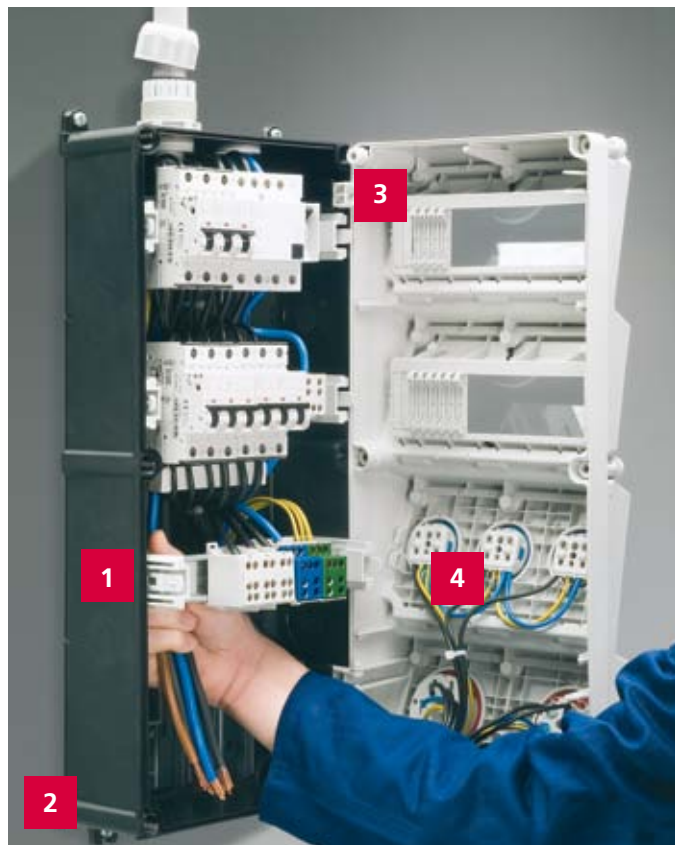
AMAXX® s is the receptacle combination for restricted installation widths and depths. AMAXX® s is the optimum solution for restricted spaces. Besides mounting on the rear, you can also mount it on the right or the left thanks to the optionally available attachment set. Or you opt for the variant that can be swivelled by 90 degrees on the left or the right for even more comfortable application.

The smallest AMAXX® combination with one segment rounds off the program. It is available in protection class IP 44 and IP 67 as well as from 16A, 3-pole up to 32A, 5-pole and as AMAXX® DUO switched and interlocked.



Video:
varieties

Convenient connection.



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



Video:
mounting instructions



- Generally angled insertion direction, also with receptacles SCHUKO®.



- Both hands free because inspection windows fold downwards.



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



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

Professional concepts right from the start.



AMAXX® IP 67.
Select from a large range of dust and water proof plugs and receptacles.



AMAXX® combinations from AMELAN®.
High resistance to chemicals, highly heat resistant contact carriers and nickel plated contacts for use in an aggressive atmosphere.



AMAXX® combinations.
For campsites, marinas, etc. Lockable CEE receptacles, 3-pole, 230V, with fusing, give the maximum safety.



AMAXX® mobile.
For all requiring safe distribution onsite. With cable and plug. With one, two or three segments as well as in an AMAXX® s version.

Individual.

As specialists for receptacle combinations, we have longstanding experience in the development and realisation of individual, customised solutions.



For container and terminals.

AMAXX® receptacle combinations are also available in container standard 32A, 4-pole, 400-440V, 3h as multiple distributor with or without monitoring receptacles.





Function, shape and colour.

New colour variations. The silver upper part (IP 44) in combination with the black base sets a new trend in a design-oriented technical environment. Just add the index "SI" to the part number.

On request, the combinations are also available in the special colours yellow or red.

In the standard version, the upper parts are supplied in electric grey.

You can rely on it.

MENNEKES quality: tested and certified.

Like all other MENNEKES combinations, the AMAXX® products are also subject to the extensive MENNEKES quality control. Each AMAXX® combination is thoroughly tested and certified prior to delivery.

ZERTIFIKAT CERTIFICATE

für stückgeprüfte Qualität
nach DIN EN 61439.

Hiermit bestätigen wir, dass diese Steckdosenkombination einer Stückprüfung unterzogen wurde.
Herewith we confirm that this socket-outlet combination has passed a routine test.

MENNEKES®
Plugs for the world

Der MENNEKES-Sicherheitstest berücksichtigt nicht nur die elektrischen Prüfanforderungen nach DIN EN 61439, sondern beinhaltet darüber hinaus auch eine allpolige Hochspannungsprüfung.

The MENNEKES safety test not just include the requirements for electrical tests acc. to DIN EN 61439 but also a high voltage test for all poles.

Harald Feyhl

Harald Feyhl
Leiter Qualitätssicherung / Quality-Management

MENNEKES Elektrotechnik GmbH & Co. KG
Industrial plugs and sockets
Aloys-Mennekes-Straße 1
D-57399 Kirchhundem / Germany

MENNEKES®
Plugs for the world

AMAXX®
by MENNEKES

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E-Mail info@MENNEKES.de
Internet www.MENNEKES.de



Highest degree of variability. For each application purpose.

With DUO, AMAXX® is now also available in a switched and interlocked version: After insertion and activation, the plug is interlocked. After deactivation and pulling the plug, the receptacle switch is locked. Even the smallest AMAXX® combination with one segment and a size of only 225 x 130 mm is available with the switched and interlocked DUO receptacles. The larger AMAXX® enclosures are also available as DUO multiple distributors, providing even more safety in just one enclosure.

- Protection type IP 44 and IP 67.
- 16A, 3-pole, up to 32A, 5-pole.
- Fuse elements like RCD's, MCB's and neozed fuse elements.
- Unique AMAXX® design with one to five segments.



- In response to customer-specific requirements, tailored designs are possible, e.g. with switched and interlocked DUO receptacles, and in IP 67° degree of protection, waterproof.



Receptacle combinations

International.

For the international market, AMAXX® combinations including receptacles to comply with various national standards are available, e.g., French/Belgian, Danish, Swiss and British standards, and also compliant with the NEMA standard for the USA and Canada.



Flexible safety. EverGUM – portable distribution boards and receptacle strips.



With the EverGUM range MENNEKES provide a solid rubber alternative to enclosures in AMAPLAST, AMELAN® and sheet steel. This is an alternative which is suitable for the most diverse environments, especially when there is likely to be exposure to rough handling or aggressive cleaning agents. These products can also be supplied to conform to the standards of other European countries.

The outstanding advantages:

- Resistant to weather and ageing
- High dimensional stability and precision
- Good resistance to acids and alkalis
- High dielectric strength and creep resistance

Receptacle strip EverGUM.

Window size for six or eight modules for vertical installation. Protection type IP 44.

The allround power-packages for mobile use in industry, craft and trade. They can accept quite a knock – neither their shape nor their function will be impaired. Additional benefit: they are stackable which allows space-saving storage.

Tested safety, EverGUM details.

The closed lower side of the enclosure with a ground clearance of 77 mm prevents ingress of water. The panel mounted receptacles can be replaced from outside. Hinged cover provided with stainless steel

quick release clips. MCBs and in RCDs are immediately accessible after opening the lid. All energised parts even with the lid open are covered so that they are contact safe – in accordance with BGV A3.

Screw or padlock offers additional safety.



A strong team for electrical power, data and compressed air: AirKRAFT® and 3KRAFT®.



For ceilings and floors.

Receptacles, or data, or compressed air. Additionally AirKRAFT® receptacle combinations can be fitted with fusing and a micro Lynx light. Ready for connection or with supply cable and plug.

Three colours: signal yellow, red or silver.



Protection type IP 44

Prior to use, ensure that the receptacle combination is appropriate for the intended implementation conditions.

The installed data connection sockets without flip lids satisfy the IP 20 degree of protection requirements which accordingly reduces the overall degree of protection of the distributors.

A comment concerning the IP 44 degree of protection for mobile receptacle combinations is provided on page 45.

DELTA BOX. The classic unit.



With cable grip. Enclosure and socket insert of AMAPLAST® or of AMELAN®, which is particularly resistant to chemicals, temperature and impact. Each DELTA-BOX comes with a suspension bracket. Available in the degrees of protection IP 44 splashproof, IP 67 watertight, IP 68 pressure watertight.

Receptacle strips. The versatile units.



Suspendable, portable or for wall mounting. Ready for connection with cable grip. For horizontal installation of most of the types, the attachment receptacles can be rotated 90° without disconnecting the connection lines. Available to IP 44.

Stainless steel. For water and power connection.



Useful variety for wall- and flush- mounting.

Exacting ambience demand sophisticated, reliable equipment. Wherever dependable protection against unauthorised access is required, when live as well as when switched off, MENNEKES stainless steel combinations, either surface or flush mounted, are the equipment of choice.

Energy and water - always available: In the workplace, in the garden, in leisure parks ... and even in wintry conditions thanks to frost-proof taps with automatic emptying. Please consider the country-specific regulations for installations outside Germany!



Weather shield made of stainless steel.



Wind and weather proof.

Outdoor electric appliances are exposed to unfavourable climatic conditions. Our modular system of weather shields and supports enables individual combinations of installations fixed to the wall and on the ground, with columns.

Power post from steel tube.

Rugged. Vandalism-proof.

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



Receptacle combinations made from stainless steel.



CombiTOWER®.

For outdoors and indoors.

Short routes to your energy source. Flat finished stainless steel or painted signal yellow. The ideal tap for industry, workshops, assembly shops, loading platforms, etc.



Safe. Practical. Timelessly elegant.

- Protection type IP 43 or IP 44 with closed door, even when plugs are inserted
- The cable guard aperture is sufficiently dimensioned for leading through cables
- Safety lock protects against unauthorised access

Material Properties. Important information and recommendations.

Our high-quality stainless steel products are ideally suited for continuous use in buildings and outdoors.

There is a potential risk of corrosion in open air and indoor swimming pools, in coastal regions, offshore and in industrial areas with high air pollution. Subject to location and climatic conditions discoloration and corrosion can arise.

Through specific cleaning and maintenance procedures, impairments of the surface can be reduced or avoided.

In particularly aggressive ambient conditions we recommend the use of special stainless steels or coating the surfaces to further increase corrosion resistance.

Please contact our customer service department who will be pleased to provide exhaustive and expert advice.

New standard for low voltage switchgear and control gear assemblies - IEC 61439.

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

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

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

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

In the Service tab on pages 35 to 38 you will find additional information, excerpts from the standard for low-voltage switchgear and control gear assemblies - IEC 61439, and a listing of the agreements between manufacturers of the switchgear and control gear assemblies and users.

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

■ Product safety

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

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

■ Clear documentation

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

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

■ Clear specifications

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

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

■ Distinction: Original manufacturer - manufacturer

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

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

Example – rating plate

I_{nA} Rated current of the switchgear and control gear assembly

U_n Rated voltage

f_n Rated frequency



RDF Rated diversity factor

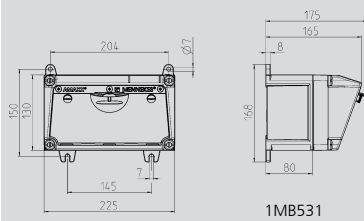
I_{cc} Conditional rated short-circuit current

Protection class

IP Ingress protection

AMAXX® receptacle combinations. Dimensions.

AMAXX® with 1 segment

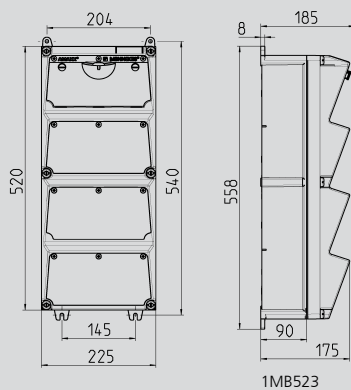


1MB531

Depth dimensions of the AMAXX® enclosures with 1, 2 or 3 segments and various fittings.

Receptacles	IP-degrees	Depth
SCHUKO® 16A, 230V	IP 44	175 mm
	IP 67	194 mm
CEE 16A, 3p, 230V	IP 44	204 mm
	IP 67	205 mm
CEE 16A, 5p, 400V	IP 44	209 mm
	IP 67	213 mm
CEE 32A, 5p, 400V	IP 44	221 mm
	IP 67	227 mm
CEE 63A, 5p, 400V	IP 44	248 mm
	IP 67	248 mm

AMAXX® with 4 segments



1MB523

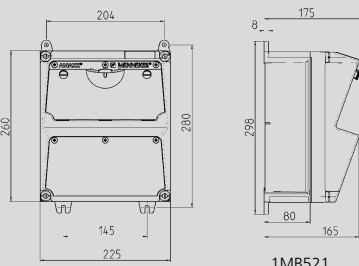
Depth dimensions of the AMAXX® enclosures with 4 or 5 segments and various fittings.

Receptacles	IP-degrees	Depth
SCHUKO® 16A, 230V	IP 44	186 mm
	IP 67	208 mm
CEE 16A, 3p, 230V	IP 44	216 mm
	IP 67	220 mm
CEE 16A, 5p, 400V	IP 44	222 mm
	IP 67	226 mm
CEE 32A, 5p, 400V	IP 44	231 mm
	IP 67	236 mm
CEE 63A, 5p, 400V	IP 44	260 mm
	IP 67	260 mm

Fusing material:

If not stated otherwise, the supplies is without fusing material

AMAXX® with 2 segments



1MB521

Cable entries:
closed for cut out.

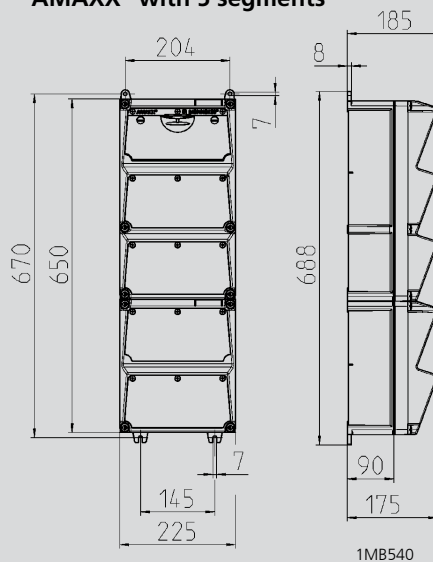
single enclosure 130 mm x 225 mm:
2 x M 25 each on top and bottom

double enclosure 260 mm x 225 mm:
2 x M 32 each on top and bottom

triple enclosure 390 mm x 225 mm:
2 x M 40 each on top and bottom

For all enclosures:
2 x M 20 each on top and bottom
for cut out.

AMAXX® with 5 segments



1MB540

Cable entries:
closed for cut out.

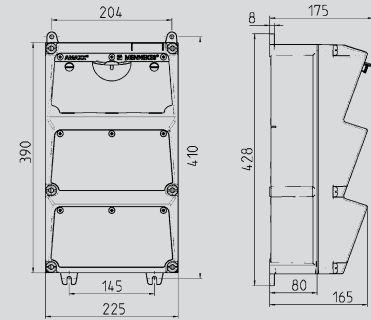
quadruple enclosure 520 mm x 225 mm:

quintuple enclosure 650 mm x 225 mm:
2 x M 40 each on top and bottom

For both enclosures:
2 x M 20 each on top and bottom
for cut out.

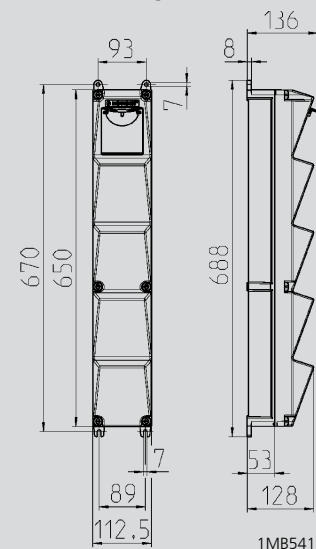
Dimensions of AMAXX® suspendable are provided on page 198.

AMAXX® with 3 segments



1MB522

AMAXX®s (5 segments)



1MB541

Depth dimensions of the AMAXX®s enclosures with 5 segments and various fittings.

Receptacles	IP-degrees	Depth
SCHUKO® 16A, 230V	IP 44	140 mm
	IP 67	157 mm
CEE 16A, 3p, 230V	IP 44	170 mm
	IP 67	169 mm
CEE 16A, 5p, 400V	IP 44	172 mm
	IP 67	174 mm
CEE 32A, 5p, 400V	IP 44	182 mm
	IP 67	188 mm

Cable entries:
closed for cut out.

AMAXX®s 650 mm x 112,5 mm:
1 x M 25 each on top and bottom or
1 x M 32 each on top and bottom





Additionally: 1 x M 20 each on top and bottom for cut out.

Standard made of AMAPLAST, protection type IP 44

pre-wired for installation, enclosure front cover electric grey RAL 7035. Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm). Fusing behind a transparent cover.

For more combinations in various national standards, please contact us.

For drawings and dimensions see page 167.





			
CEE receptacles	CEE receptacles	CEE receptacles	CEE receptacles
CEE receptacles	CEE receptacles	CEE receptacles	CEE receptacles
Receptacles SCHUKO® 2 SCHUKO® 16A, 230V	Receptacles NF 2 NF 16A, 2p+E, 230V	Receptacles SCHUKO® 3 SCHUKO® 16A, 230V	Receptacles NF 3 NF 16A, 2p+E, 230V
Fusing 1 RCD 25A, 2p, 0.03A 2 MCB's 16A, 1p, C	Fusing 1 RCD 25A, 2p, 0.03A 2 MCB's 16A, 1p+N, C	Fusing 1 RCD 40A, 4p, 0.03A 3 MCB's 16A, 1p+N, C	Fusing 1 RCD 40A, 4p, 0.03A 3 MCB's 16A, 1p+N, C
Connection For 1 cable up to 3 x 10 mm ²	Connection For 1 cable up to 3 x 6 mm ²	Connection For 1 cable up to 5 x 10 mm ²	Connection For 1 cable up to 5 x 10 mm ²
Enclosure size 130 x 225 mm (H x W)	Enclosure size 130 x 225 mm (H x W)	Enclosure size 260 x 225 mm (H x W)	Enclosure size 260 x 225 mm (H x W)
Part no. 910001	Part no. 910205	Part no. 920003	Part no. 920043

Standard made of AMAPLAST, protection type IP 44

pre-wired for installation, enclosure front cover electric grey RAL 7035. Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm). Fusing behind a transparent cover.

For more combinations in various national standards, please contact us.

For drawings and dimensions see page 167.

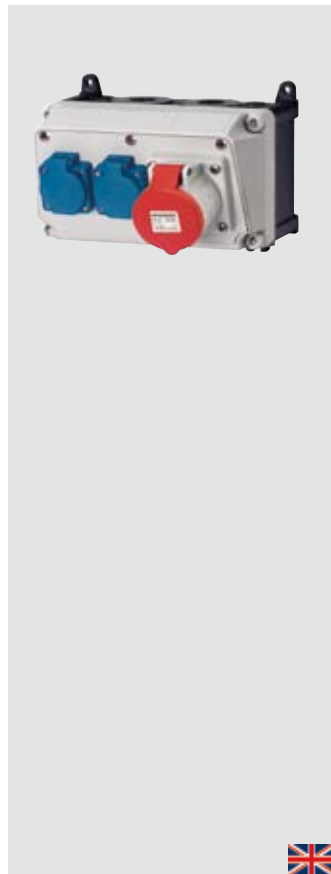
			
CEE receptacles	CEE receptacles	CEE receptacles 1 CEE 16A, 5p, 400V	CEE receptacles 1 CEE 16A, 5p, 400V
CEE receptacles 3 CEE 16A, 3p, 230V	CEE receptacles 3 CEE 16A, 3p, 230V	CEE receptacles	CEE receptacles
Receptacles SCHUKO®	Receptacles SCHUKO®	Receptacles SCHUKO® 2 SCHUKO® 16A, 230V	Receptacles SCHUKO® 2 SCHUKO® 16A, 230V
Fusing 1 RCD 40A, 4p, 0.03A 3 MCB's 16A, 1p, C	Fusing	Fusing 1 RCD 40A, 4p, 0.03A 1 MCB 16A, 3p, C 1 MCB 16A, 1p, C	Fusing
Connection For 1 cable up to 5 x 10 mm ²	Connection For 1 cable up to 5 x 10 mm ²	Connection For 1 flex. cable up to 5 x 10 mm ²	Connection For 1 flex. cable up to 5 x 10 mm ²
Enclosure size 650 x 112.5 mm (H x W)	Enclosure size 130 x 225 mm (H x W)	Enclosure size 650 x 112.5 mm (H x W)	Enclosure size 130 x 225 mm (H x W)
Part no. 960019	Part no. 910015	Part no. 960051	Part no. 910007

Standard made of AMAPLAST, protection type IP 44

pre-wired for installation, enclosure front cover electric grey RAL 7035. Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm). Fusing behind a transparent cover.

For more combinations in various national standards, please contact us.

For drawings and dimensions see page 167.



CEE receptacles

1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles British standard

2 x 13A, 2p+E

Fusing

Connection

For 1 cable up to
5 x 6 mm²

Enclosure size

130 x 225 mm (H x W)

Part no.

910694



CEE receptacles

1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

3 SCHUKO® 16A, 230V

Fusing

1 MCB 16A, 3p, C
1 MCB 16A, 1p, C

Connection

For 1 cable up to
5 x 10 mm²

Enclosure size

650 x 112.5 mm (H x W)

Part no.

960004



CEE receptacles

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

CEE receptacles

Receptacles SCHUKO®

Fusing

2 MCB's 16A, 3p, C

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

390 x 225 mm (H x W)

Part no.

930031



CEE receptacles

2 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

3 SCHUKO® 16A, 230V

Fusing

2 MCB's 16A, 3p, C
3 MCB's 13A, 1p, C

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

390 x 225 mm (H x W)

Part no.

930003

Standard made of AMAPLAST, protection type IP 44

pre-wired for installation, enclosure front cover electric grey RAL 7035. Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm). Fusing behind a transparent cover.

For more combinations in various national standards, please contact us.

For drawings and dimensions see page 167.



CEE receptacles
2 CEE 16A, 5p, 400V
CEE receptacles
Receptacles British standard
3 x 13A, 2p+E
Fusing
2 MCB's 16A, 3p, C 3 MCB's 13A, 1p, C
Connection
For 2 cables up to 5 x 16 mm ²
Enclosure size
390 x 225 mm (H x W)
Part no.
930734



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



CEE receptacles
1 CEE 32A, 5p, 400V
CEE receptacles
Receptacles NF
2 NF 16A, 2p+N, 230V
Fusing
1 MCB 32A, 3p+N, C 2 MCB's 16A, 1p+N, C
Connection
For 1 cable up to 5 x 10 mm ²
Enclosure size
260 x 225 mm (H x W)
Part no.
920295



CEE receptacles
1 CEE 32A, 5p, 400V 1 CEE 16A, 5p, 400V
CEE receptacles
Receptacles SCHUKO®
3 SCHUKO® 16A, 230V
Fusing
1 RCD 40A, 4p, 0.03A 1 MCB 32A, 3p, C 1 MCB 16A, 3p, C 3 MCB's 16A, 1p, C
Connection
For 2 cables up to 5 x 25 mm ²
Enclosure size
520 x 225 mm (H x W)
Part no.
940005

Standard made of AMAPLAST, protection type IP 44

pre-wired for installation, enclosure front cover electric grey RAL 7035. Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm). Fusing behind a transparent cover.

For more combinations in various national standards, please contact us.

For drawings and dimensions see page 167.



CEE receptacles

1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

3 SCHUKO® 16A, 230V

Fusing

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

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

390 x 225 mm (H x W)

Part no.

930011



CEE receptacles

1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

6 SCHUKO® 16A, 230V

Fusing

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

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

650 x 225 mm (H x W)

Part no.

950004



CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles NF

4 NF 16A, 2p+E, 230V

Fusing

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

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

650 x 225 mm (H x W)

Part no.

950022



CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
switched, with mechanical
DUO interlock

CEE receptacles

Receptacles SCHUKO®

4 SCHUKO® 16A, 230V

Fusing

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

Connection

For 2 cable up to
5 x 25 mm²

Enclosure size

650 x 225 mm (H x W)

Part no.

950026

Standard made of AMAPLAST, protection type IP 67

pre-wired for installation, enclosure front cover electric grey RAL 7035. Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm). Fusing behind a transparent cover.

For more combinations in various national standards, please contact us.

For drawings and dimensions see page 167.

CEE receptacles 1 CEE 16A, 5p, 400V switched, with mechanical DUO interlock	CEE receptacles 1 CEE 16A, 5p, 400V	CEE receptacles 1 CEE 16A, 4p, 400V	CEE receptacles 1 CEE 16A, 5p, 400V
CEE receptacles	CEE receptacles	CEE receptacles	CEE receptacles
Receptacles SCHUKO®	Receptacles SCHUKO® 3 SCHUKO® 16A, 230V	Receptacles NF 3 NF 16A, 230V	Receptacles SCHUKO® 4 SCHUKO® 16A, 230V
Fusing	Fusing 1 RCD 40A, 4p, 0.03A 1 MCB 16A, 3p, C 3 MCB's 16A, 1p, C	Fusing 1 RCD 40A, 4p, 0.03A 1 MCB 16A, 3p, C 3 MCB's 16A, 1p+N, C	Fusing
Connection For 1 cable up to 5 x 10 mm ²	Connection For 2 cables up to 5 x 25 mm ²	Connection For 2 cables up to 5 x 25 mm ²	Connection For 1 cable up to 5 x 10 mm ²
Enclosure size 130 x 225 mm (H x W)	Enclosure size 390 x 225 mm (H x W)	Enclosure size 390 x 225 mm (H x W)	Enclosure size 650 x 112.5 mm (H x W)
Part no. 7626	Part no. 930022	Part no. 930520	Part no. 960031

Standard made of AMAPLAST, protection type IP 67

pre-wired for installation, enclosure front cover electric grey RAL 7035. Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm). Fusing behind a transparent cover.

For more combinations in various national standards, please contact us.

For drawings and dimensions see page 167.



CEE receptacles

2 CEE 16A, 4p, 400V
switched, with
mechanical DUO
interlock

CEE receptacles

2 CEE 16A, 3p, 230V
switched, with mechanical
DUO interlock

Receptacles SCHUKO®

Fusing

2 MCB's 16A, 3p, C
2 MCB's 16A, 1p+N, C

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

650 x 225 mm (H x W)

Part no.

950034



CEE receptacles

1 CEE 32A, 5p, 400V
2 CEE 16A, 4p, 400V

CEE receptacles

3 CEE 16A, 3p, 230V

Receptacles SCHUKO®

Fusing

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

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

520 x 225 mm (H x W)

Part no.

940028



CEE receptacles

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

CEE receptacles

Receptacles SCHUKO®

Fusing

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

Connection

For 1 cable up to
5 x 16 mm²

Enclosure size

650 x 225 mm (H x W)

Part no.

900946



CEE receptacles

3 CEE 32A, 4p, 400V, 3h
For reefer container,
switched with mechanical
DUO interlock

CEE receptacles

Receptacles SCHUKO®

3 SCHUKO® 16A, 230V

Fusing

3 MCB's 32A, 3p, C
3 Monitoring Sockets
MS3102E 14S2S

Connection

For 2 cables up to
4 x 25 mm²
and for 3 monitoring
sockets 4 x 4 mm²

Enclosure size

520 x 225 mm (H x W)

Part no.

940019

Standard made of AMAPLAST, protection type IP 67

pre-wired for installation, enclosure front cover electric grey RAL 7035. Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm). Fusing behind a transparent cover.

For more combinations in various national standards, please contact us.

For drawings and dimensions see page 167.



CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

2 SCHUKO® 16A, 230V

Fusing

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

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

650 x 225 mm (H x W)

Part no.

950031

CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles NF

2 NF 16A, 2p+E, 230V

Fusing

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

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

650 x 225 mm (H x W)

Part no.

950033

Danger due to condensation in receptacles and combination enclosures

Temperature changes, direct sunlight or rapid changes in the weather can result in condensation in combinations and receptacles on the inside of the enclosure.

What areas are in jeopardy?

Washing facilities or open passages, but also interiors with high humidity are affected. Significant temperature fluctuations, drafts, e.g. in the vicinity of large gates and windows, agricultural areas or strong load changes can favour condensation. Undesired consequences (short circuit, corrosion, or even device failure) however, can be countered.

According to standard DIN VDE 0100-520, Chapter 52, Section 52.3.2, when setting up high-voltage units with rated voltages to 1000 V, measures must be taken for the draining of possible condensation.

For which products does condensation occur?

Basically in the areas cited above, condensation can occur for all in closed receptacles in combination enclosures. **The danger is even greater the higher the degree of protection.** Thus, for example, for watertight enclosures, IP 67, there is a greater danger than exists for IP 44, because due to the high degree of sealing, air exchange is prevented and thus there is no evaporation.

Membrane cable glands are the solution.

As a preventative measure, MENNEKES recommends the use of special membrane cable glands. An installed membrane prevents ingress of external humidity. Due to the simultaneous aeration of the enclosure there is continuous equalisation of ambient air and the enclosure interior air.

Condensation thus can be continuously dissipated. The membrane cable gland allows insertion of supply cables without restricting aeration. Important: The IP 67 protection rating remains intact!

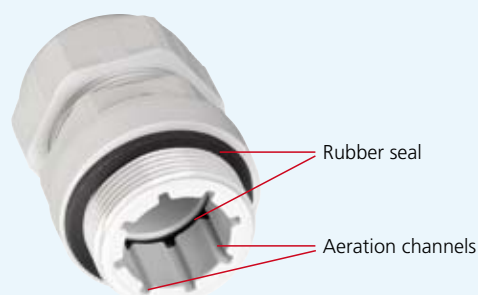
What must be done?

Our technical application recommendation is provided in the "Table" on the next page. Contact us if you have questions. We would be pleased to advise you.

Note: Only the membrane cable glands have aeration channels for avoidance of condensation. The standard cable glands are not suitable for applications where there is a danger of condensation.



The channels available in the gland ensure the required air exchange. Rubber seals prevent penetration of water.



The humidity in the interior can escape through aeration channels. Membranes attached in the interior of the channels prevent penetration of exterior moisture. The IP degrees of protection remains intact.

Accessories for AMAXX® receptacle combinations



AMAXX® standard cable glands

black RAL 9005
M 20 - for cable from 6-13 mm
 IP 44: **Part no. 990607**
 IP 67: **Part no. 990611**
M 25 - for cable from 9-17 mm
 IP 44: **Part no. 990610**
M 32 - for cable from 13-21 mm
 IP 44: **Part no. 990608**
 IP 67: **Part no. 990612**
M 40 - for cable from 14-28 mm
 IP 67: **Part no. 990609**



AMAXX® screw set

consisting of
 4 screws 6 x 70 mm
 Pozidrive size 3, steel
 galvanized and
 4 dowels 8 x 50 mm, for
 concrete, porous
 concrete, solid brick,
 perforated brick

Part no. 990606



AMAXX® attachment set

for lateral installation
 of AMAXX®s
 combinations,
 for mounting
 either on the left or right
 hand side (set of 2 for
 1 combination)

Part no. 990620



AMAXX® support/carrier frame

yellow RAL 1003,
 suitable for AMAXX®
 receptacle combinations
 with the sizes:
 260 x 225 mm,
 390 x 225 mm and
 520 x 225 mm
 for wall mounting in
 protection type IP 67 or as
 mobile combinations with
 carrying handle and with
 feeder cable in protection
 type IP 44 and IP 67

Part no. 15696



AMAXX® membrane cable glands

black RAL 9005,
 incl. blanking plug
M 25 - for cable from 9-17 mm
Part no. 990623
M 32 - for cable from 13-21 mm
Part no. 990625
M 40 - for cable from 16-28 mm
Part no. 990627

Selection chart for membrane cable glands

AMAXX® receptacle combination	Standard cable entries	Recommandation of usage membrane cable gland*	
with 1 segment Enclosure: 130 x 225 mm (H x W)	top: 2 x M 25 2 x M 20 bottom: 2 x M 25 2 x M 20	1 x M 25	alternative: 1 x M 20
with 2 segments Enclosure: 230 x 225 mm (H x W)	top: 2 x M 32 2 x M 20 bottom: 2 x M 32 2 x M 20	1 x M 32	alternative: 2 x M 20
with 3 segments Enclosure: 390 x 225 mm (H x W)	top: 2 x M 40 2 x M 20 bottom: 2 x M 40 2 x M 20	1 x M 40	alternative: 2 x M 20
with 4 segments Enclosure: 520 x 225 mm (H x W)	top: 2 x M 40 2 x M 20 bottom: 2 x M 40 2 x M 20	1 x M 40 and 1 x M 20	alternative: 3 x M 20
with 5 segments Enclosure: 650 x 225 mm (H x W)	top: 2 x M 40 2 x M 20 bottom: 2 x M 40 2 x M 20	1 x M 40 and 2 x M 20	alternative: 4 x M 20

* At least required for the following ambient conditions:

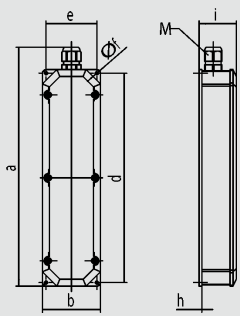
Reduction of the ambient temperature by 45° C through 10-minutes of heavy rain (enclosure, e.g heated to 60° C through sunlight, subsequent cloudburst with water temperature of 15° C).
 If temperature differentials are greater/less, accordingly more or fewer membrane cable glands must be used.

Receptacle strips, standard made of AMAPLAST, protection type IP 44¹⁾

pre-wired for installation, enclosure electric grey RAL 7035.

Hanging clip enclosed with each receptacle strip 401 x 97 mm. Therefore portable applicable as well.

¹⁾ See comment on page 45 to protection degree IP 44 for portable combination units.



Drawing
1 MB 284/2

Dim. in mm		
a	330	
b	80	
d	290	
e	70	
f	4,3	
h	3,8	
i	51	
M	20	

Cable entry:
1 x M 20
with gland at the top.
The drawing applies to
part no. 88678.




Fitted with
4 SCHUKO® 16A, 230V
tilted through 30°

Fusing

Connection/feeder cable
For 1 cable up to
3 x 2.5 mm²

Part no.
88678



Fitted with
8 SCHUKO® 16A, 230V
insert tilted through 30°

Fusing

Connection/feeder cable
For 1 cable up to
3 x 6 mm²

Part no.
88677

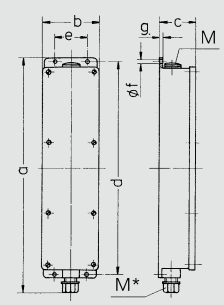


Fitted with
3 CEE 16A, 3p, 110V

Fusing

Connection/feeder cable
For 1 cable up to
3 x 10 mm²


Part no.
96227



Drawing
5 MB 35

Dim. in mm		
a	401	
b	97	
c	63	
d	364	
e	56	
f	5,5	
g	4	
M	25	
M*	25	

Cable entry:
1 x M 25 plugged at the top
1 x M 25 with gland at the
bottom.
The drawing applies to all
part no. except 88678.




Fitted with
3 CEE 16A, 3p, 230V

Fusing

Connection/feeder cable
For 1 cable up to
3 x 10 mm²

Part no.
96489



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

Fusing

Connection/feeder cable
For 1 cable up to
5 x 10 mm²

Part no.
96438



Fitted with
3 CEE 16A, 5p, 400V

Fusing

Connection/feeder cable
For 1 cable up to
5 x 10 mm²

Part no.
96705

Receptacle combinations ■ Wall mounted, AMAXX®

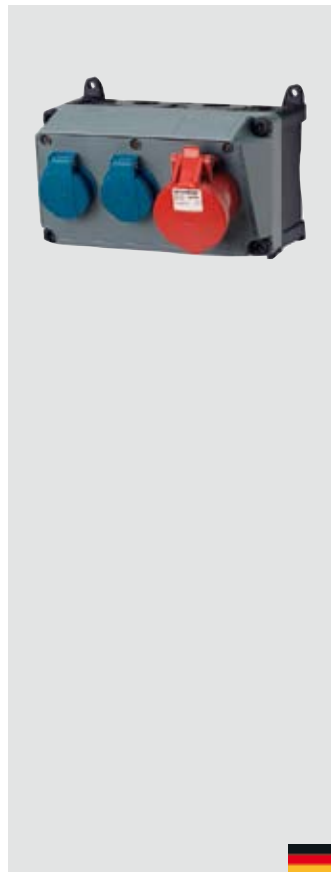
Highly resistant to chemicals made of AMELAN®, protection type IP 44

with highly heat resistant contact carrier and nickel plated contacts.

Pre-wired for installation, enclosure front cover grey RAL 7000.

Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm).

Fusing behind a transparent cover. For more combinations in various national standards, please contact us. For drawings and dimensions see page 167.



CEE receptacles

1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

2 SCHUKO® 16A, 230V

Fusing

Connection

For 1 cable up to
5 x 10 mm²

Enclosure size

130 x 225 mm (H x W)

Part no.

910020



CEE receptacles

1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles NF

3 NF 16A, 2p+E, 230V

Fusing

1 RCD 40A, 4p, 0.03A

Connection

For 1 cable up to
5 x 10 mm²

Enclosure size

650 x 112.5 mm (H x W)

Part no.

960042



CEE receptacles

1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles British standard

3 x 13A, 2p+E, 230V

Fusing

1 RCD 63A, 4p, 0.03A
1 MCB 32A, 3p, C
1 MCB 16A, 3p, C
3 MCB's 13A, 1p, C

Connection

For 1 cable up to
5 x 16 mm²

Enclosure size

520 x 225 mm (H x W)

Part no.

941142



CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

4 SCHUKO® 16A, 230V

Fusing

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

Connection

For 2 cables up to
5 x 25 mm²

Enclosure size

650 x 225 mm (H x W)

Part no.

950041

Highly resistant to chemicals made of AMELAN®, protection type IP 67





with highly heat resistant contact carrier and nickel plated contacts.

Pre-wired for installation, enclosure front cover grey RAL 7000.

Hinged to the side (except enclosure size 130 x 225 mm and 650 x 112.5 mm).

Fusing behind a transparent cover. For more combinations in various national standards, please contact us. For drawings and dimensions see page 167.

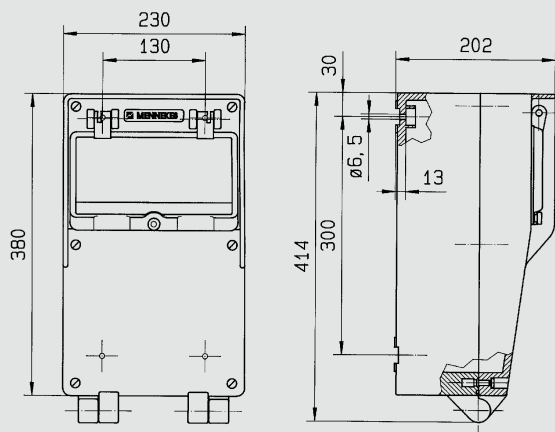


			
CEE receptacles	CEE receptacles	CEE receptacles	CEE receptacles
	1 CEE 16A, 5p, 400V	1 CEE 32A, 5p, 400V	1 CEE 32A, 5p, 400V 1 CEE 16A, 5p, 400V
CEE receptacles	CEE receptacles	CEE receptacles	CEE receptacles
2 CEE 16A, 3p, 230V			
Receptacles SCHUKO®	Receptacles SCHUKO®	Receptacles SCHUKO®	Receptacles SCHUKO®
	3 SCHUKO® 16A, 230V	3 SCHUKO® 16A, 230V	2 SCHUKO® 16A, 230V
Fusing	Fusing	Fusing	Fusing
1 RCD 25A, 2p, 0.03A	1 RCD 40A, 4p, 0.03A 1 MCB 16A, 3p, C 3 MCB's 16A, 1p, C	1 RCD 40A, 4p, 0.03A 1 MCB 32A, 3p, C 3 MCB's 16A, 1p, C	1 RCD 63A, 4p, 0.03A 1 MCB 32A, 3p, C 1 MCB 16A, 3p, C 2 MCB's 16A, 1p, C
Connection	Connection	Connection	Connection
For 1 cable up to 3 x 10 mm ²	For 2 cables up to 5 x 25 mm ²	For 2 cables up to 5 x 25 mm ²	For 2 cables up to 5 x 25 mm ²
Enclosure size	Enclosure size	Enclosure size	Enclosure size
260 x 225 mm (H x W)	390 x 225 mm (H x W)	390 x 225 mm (H x W)	520 x 225 mm (H x W)
Part no.	Part no.	Part no.	Part no.
920821	930027	930028	940016

Solid rubber enclosure, signal yellow RAL 1003, protection type IP 44

Pre-wired for installation

Other combinations on request



5 MB 42

Enclosure size: 380 x 230 mm

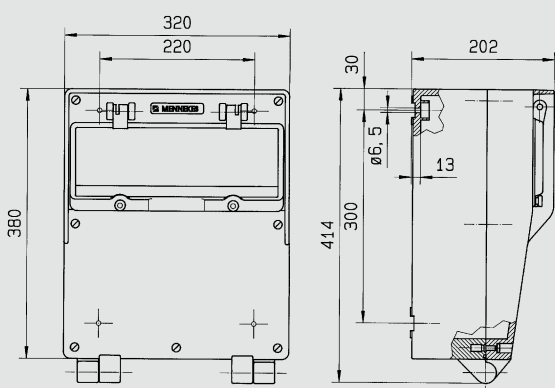
Cable entry:

1 x M 40 at the top with threaded cable gland

and 1 x M 40 plugged at the top

2 x M 40 plugged at the bottom

Space for 12 modules.



5 MB 41

Enclosure size: 380 x 320 mm

Cable entry:

1 x M 40 at the top with threaded cable gland

and 1 x M 40 plugged at the top

2 x M 40 plugged at the bottom

Space for 16 modules.



CEE receptacles

2 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

3 SCHUKO® 16A, 230V

Fusing

1 RCD 40A, 4p, 0.03A

2 MCB's 16A, 3p, C

2 MCB's 16A, 1p, B

Connection/feeder cable

For 1 cable up to

5 x 16 mm²

Enclosure size

380 x 230 mm (H x W)

Part no.

70426



CEE receptacles

1 CEE 32A, 5p, 400V

1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

2 NF 16A, 2p+E, 230V

Fusing

1 RCD 40A, 4p, 0.03A

1 MCB 16A, 3p+N, C

1 MCB 16A, 1p+N, B

Connection/feeder cable

For 1 cable up to

5 x 25 mm²

Enclosure size

380 x 230 mm (H x W)

Part no.

7200727

Solid rubber enclosure, signal yellow RAL 1003, protection type IP 44

Pre-wired for installation

Other combinations on request



CEE receptacles

1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

2 SCHUKO® 16A, 230V

Fusing

1 RCD 63A, 4p, 0.03A
1 MCB 32A, 3p, C
1 MCB 16A, 3p, C
1 MCB 16A, 1p, B

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

380 x 230 mm (H x W)

Part no.

70005



CEE receptacles

1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles NF

3 NF 16A, 230V

Fusing

1 MCB 32A, 3p+N, C
1 MCB 16A, 3p+N, C
3 MCB's 16A, 1p+N, B

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

380 x 230 mm (H x W)

Part no.

70007NF



CEE receptacles

1 CEE 32A, 5p, 400V
2 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

4 SCHUKO® 16A, 230V

Fusing

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

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

380 x 320 mm (H x W)

Part no.

71064



CEE receptacles

1 CEE 32A, 5p, 400V
2 CEE 16A, 5p, 400V

CEE receptacles

Receptacles NF

4 NF 16A, 230V

Fusing

1 MCB 32A, 3p+N, C
2 MCB's 16A, 3p+N, C
4 MCB's 16A, 1p+N, B

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

380 x 320 mm (H x W)

Part no.

70009NF

Receptacle combinations ■ Wall mounted, EverGUM

Solid rubber enclosure, signal yellow RAL 1003, protection type IP 44

Pre-wired for installation

Other combinations on request

Receptacle combinations



CEE receptacles

1 CEE 32A, 5p, 400V
2 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

4 SCHUKO® 16A, 230V

Fusing

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

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

380 x 320 mm (H x W)

Part no.

70009



CEE receptacles

2 CEE 32A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

2 SCHUKO® 16A, 230V

Fusing

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

Connection/feeder cable

For 1 cable up to
5 x 25 mm²

Enclosure size

380 x 230 mm (H x W)

Part no.

70004



CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

4 SCHUKO® 16A, 230V

Fusing

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

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

380 x 320 mm (H x W)

Part no.

71063



CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles NF

4 NF 16A, 2p+E, 230V

Fusing

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

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

380 x 320 mm (H x W)

Part no.

71063NF

Accessories for EverGUM receptacle combinations



CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

4 SCHUKO® 16A, 230V

Fusing

1 MCB 63A, 3p, C
1 MCB 32A, 3p, C
1 MCB 16A, 3p, C
2 MCB's 16A, 1p, B

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

380 x 320 mm (H x W)

Part no.

71062

Fastening straps

for external fastening of
EverGUM combinations.
Set: 4 pieces with screws
packed in a plastic bag.

Part no. 41445

Receptacle combinations ■ Wall mounted, stainless steel

For wall fixing or with column. Stainless steel (material 1.4301)

Protection type IP 44 with closed door

Surface with a flat finish (K240), material 1.4571 on request



Surface mounted receptacle combinations from flat finished stainless steel

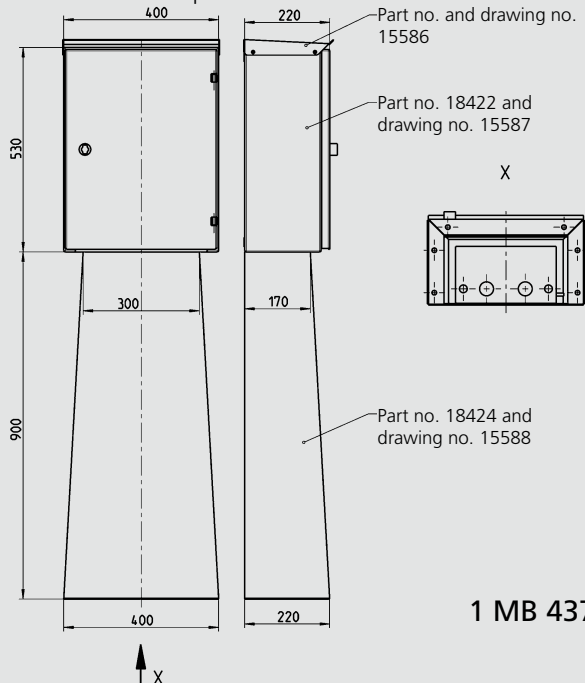
Dimensions (H x W x D): 530 x 400 x 220 mm, standard door stop on the right, front door with swing handle and cylinder lock – lockable even when plugs are connected.

Cable entry / connection options:

2 entry nipples M 32 on bottom,
2 brass screw plugs M 16 on bottom,
terminal (shock hazard protected to BGV A3)
for cables up to 5 x 25 mm²

1 set of fixing straps

(4 pcs. - in a bag) are included with each surface mounted stainless steel receptacle combination.



CEE receptacles

1 CEE 16A, 5p, 400V

CEE receptacles

1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

CEE receptacles

Receptacles SCHUKO®

4 SCHUKO® 16A, 230V

Receptacles SCHUKO®

2 SCHUKO® 16A, 230V

Fusing

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

Fusing

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

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

530 x 400 x 220 mm
(H x W x D)

Enclosure size

530 x 400 x 220 mm
(H x W x D)

Part no.

83725

Part no.

83744



Surface mounted enclosure

from flat finished stainless steel,
dimensions (H x W x D):
530 x 400 x 220 mm

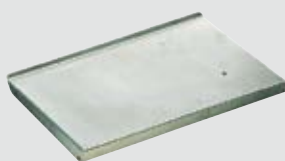
Part no. 18422



Column

from flat finished stainless steel, detachable back panel for easy assembly. 1 C-profile busbar on the inside for cord grip. Cord grips not included in the scope of supply. Dimensions (H x W): 900 x 400 mm

Part no. 18424



Weather shield

flat finished stainless steel, for surface mounted combinations,
dimensions (H x W x D):
530 x 400 x 220 mm

Part no. 15586



Mounting plate

galvanised,
dimensions:
470 x 295 x 2 mm

Part no. 18416

Material properties stainless steel. Important information and recommendations.

Our high-quality stainless steel products are ideally suited for continuous use in buildings and outdoors.

There is a potential risk of corrosion in open air and indoor swimming pools, in coastal regions, offshore and in industrial areas with high air pollution. Subject to location and climatic conditions discoloration and corrosion can arise.

Through specific cleaning and maintenance procedures, impairments of the surface can be reduced or avoided.

In particularly aggressive ambient conditions we recommend the use of special stainless steels or coating the surfaces to further increase corrosion resistance.

Please contact our customer service department who will be pleased to provide exhaustive and expert advice.



For wall fixing or with column. Stainless steel (material 1.4301)

Protection type IP 44 with closed door

Surface with a flat finish (K240), material 1.4571 on request



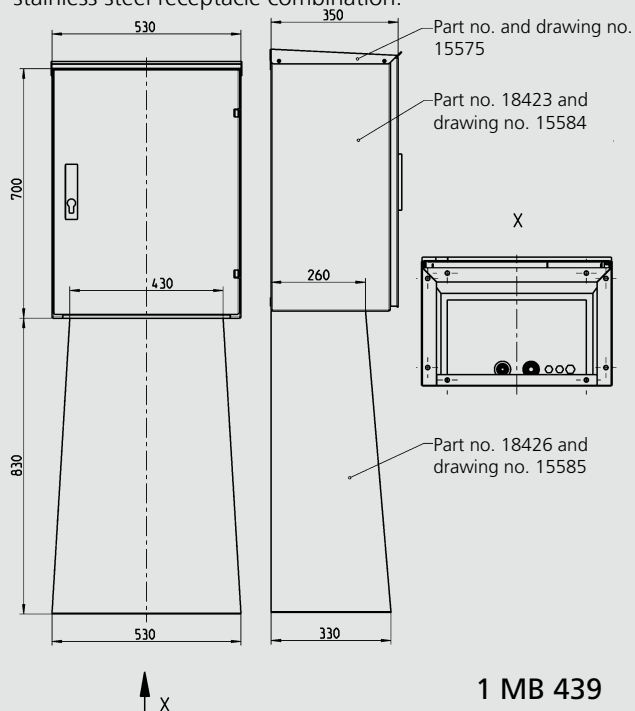
Surface mounted receptacle combinations from flat finished stainless steel

Dimensions (H x W x D): 700 x 530 x 350 mm, standard door stop on the right, front door with swing handle and cylinder lock – lockable even when plugs are connected.

2 cable entry bushes on bottom, suitable for cable diameters from 13 to 49 mm, 2 brass screw plugs M 16 on bottom, 1 brass screw plug M 20 on bottom, terminal (shock hazard protected to BGV A3). The combination units are equipped with pre-fuses.

1 set of fixing straps

(4 pcs. - in a bag) are included with each surface mounted stainless steel receptacle combination.



1 MB 439



CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

4 SCHUKO® 16A, 230V

Fusing

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

Connection/feeder cable

For 2 cables up to
5 x 50 mm²

Enclosure size

700 x 530 x 350 mm
(H x W x D)

Part no.

83706



CEE receptacles

1 CEE 63A, 5p, 400V
2 CEE 32A, 5p, 400V
2 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

3 SCHUKO® 16A, 230V

Fusing

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

Connection/feeder cable

For 2 cables up to
5 x 50 mm²

Enclosure size

700 x 530 x 350 mm
(H x W x D)

Part no.

83705



Surface mounted enclosure

from flat finished stainless steel,
dimensions (H x W x D):
700 x 530 x 350 mm

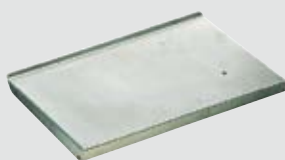
Part no. 18423



Column

from flat finished stainless steel, detachable back panel for easy assembly.
1 C-profile busbar on the inside for cord grip.
Cord grips not included in the scope of supply,
dimensions (H x W):
830 x 530 mm

Part no. 18426



Weather shield

from flat finished stainless steel,
for surface mounted combinations,
dimensions (H x W x D):
700 x 530 x 350 mm

Part no. 15575



Mounting plate

galvanised,
dimensions:
655 x 430 x 14 mm

Part no. 15577

Stainless steel (material 1.4301)

Protection type IP 43 with closed door

Surface with a flat finish (K240), material 1.4571 on request



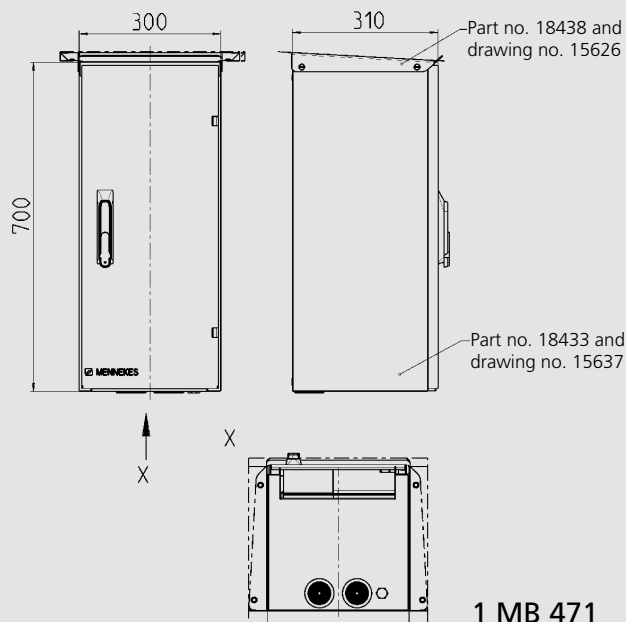
Surface mounted receptacle combinations from flat finished stainless steel

Dimensions (H x W x D): 700 x 300 x 310 mm, standard door stop on the right, front door with swing handle and cylinder lock – lockable even when plugs are connected.

2 cable entry bushes on bottom, suitable for cable diameters from 13 to 49 mm. 1 brass screw plug M 20 on bottom, terminal (shock hazard protected to BGV A3).

1 set of fixing straps

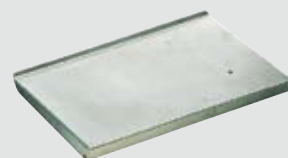
(4 pcs. - in a bag) are included with each surface mounted stainless steel receptacle combination.



Surface mounted enclosure

from flat finished stainless steel,
dimensions (H x W x D):
700 x 300 x 310 mm

Part no. 18433



Weather shield

from flat finished stainless steel, for surface mounted combinations
700 x 300 x 310 mm

Part no. 18438



Mounting plate

galvanised, dimensions:
655 x 280 x 14 mm

Part no. 18442

CEE receptacles

- 1 CEE 63A, 5p, 400V
- 1 CEE 32A, 5p, 400V
- 1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

- 4 SCHUKO® 16A, 230V

Fusing

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

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

700 x 300 x 310 mm
(H x W x D)

Part no.

83698

Stainless steel (material 1.4301)

Protection type IP 43 with closed door

Front door and trim frame flat finished stainless steel (K240), flush mounted stainless steel enclosure

Material 1.4571 on request

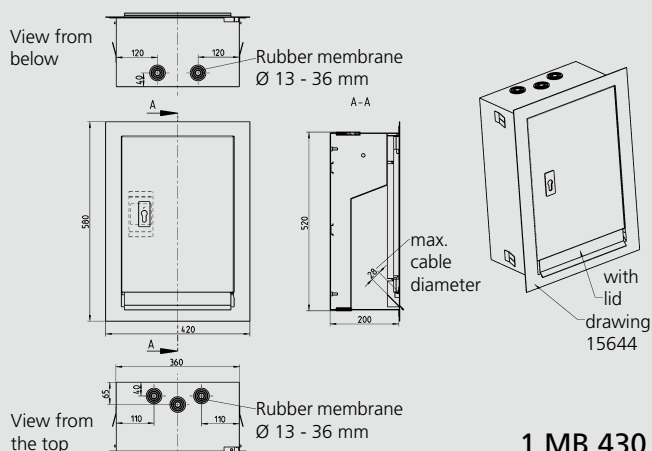
Flush mounted combinations, consisting of:

Front door and trim frame flat finished stainless steel

Dimensions (H x W): 580 x 420 mm, front door, lockable with cylinder, lockable even when plugs are connected, door stop on the right

Flush mounted stainless steel enclosure

Dimensions (H x W x D): 520 x 360 x 200 mm
cable entry bush 3 x top and 2 x bottom,
suitable for cable diameters from 13 to 49 mm



1 MB 430



CEE receptacles

1 CEE 16A, 5p, 400V

CEE receptacles

1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

CEE receptacles

Receptacles SCHUKO®

4 SCHUKO® 16A, 230V

Receptacles SCHUKO®

2 SCHUKO® 16A, 230V

Fusing

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

Fusing

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

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Connection/feeder cable

For 2 cables up to
5 x 25 mm²

Enclosure size

580 x 420 mm
(H x W / trim frame)

Enclosure size

580 x 420 mm
(H x W / trim frame)

Part no.

84373

Part no.

84374



Flush mounted enclosure

Front door and trim frame
from flat finished stainless
steel,
dimensions (H x W):
580 x 420 mm;
Flush mounted
combination
bright finish,
dimensions (H x W x D):
520 x 360 x 200 mm

Part no. 18427



Mounting plate

galvanised,
for flush mounted
combinations,
dimensions:
580 x 420 mm (trim frame)

Part no. 18416

Receptacle combinations ■ Wall mounted and flush mounted,

Stainless steel (material 1.4301)

Protection type IP 44 with closed door

Surface with a flat finish (K240)



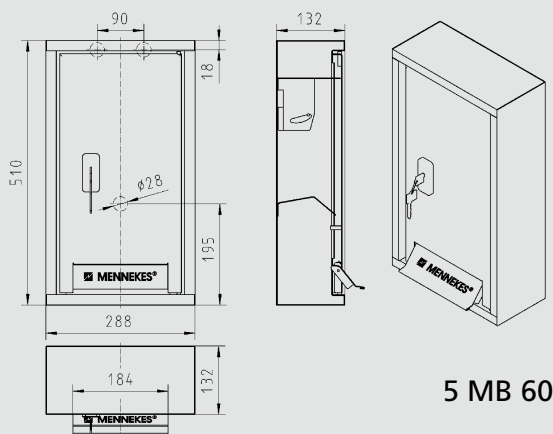
Surface mounted combination for water and power connections, consisting of:

Front door and enclosure

from stainless steel (material 1.4571), flat finished

Dimensions (H x W x D): 510 x 290 x 130 mm

front door, lockable with cylinder (3 keys) lockable even when plugs or hoses are connected, door stop on the right



5 MB 60

Important note:

According to VDE regulations the shown stainless steel combinations for power and water connection must be protected by an RCD (0.03A).



Surface mounted enclosure

cable entry bush (boreholes to be cut out):

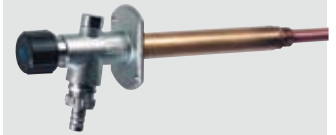
2 x 28 mm on the backside at top, each for cable diameter up to 25 mm;

1 x 28 mm for the frost-proof outdoor tap

Comprises of:

- 1 splash guard
- 1 pivoting mounting angle, pre-drilled to accommodate optionally:
- 1 double CeepeX receptacle, product group 1027 (CEE 16A or SCHUKO®) or
- 2 single wall mounted CeepeX receptacles (CEE receptacle 16A or SCHUKO®) or
- 1 combination enclosure 170 x 118 mm

Part no. 18449



Frost-proof outdoor tap

for wall mounted and flush mounted enclosures, automatic emptying function, angled gland for 1/2" hoses, rated pressure: PN 16, flexible DN 15 connection with gland, all metal parts which come into contact with liquids are made from red brass, with black plastic handle and blue marking plate, outlet with connected collar and EPDM seal with DIN/ DVGW sound insulation approval including pipe air-release valve and check valve as safety devices to IEC 1717 and DIN 1988 (part 4), water taps preassembled by others.

2 hexagon head screws to fasten the water tap are enclosed as detached parts.

Part no. 18440

Stainless steel

Protection type IP 44 with closed door

Surface with a flat finish (K240)



Flush mounted combination for water and power connections, consisting of:

Front door and trim frame

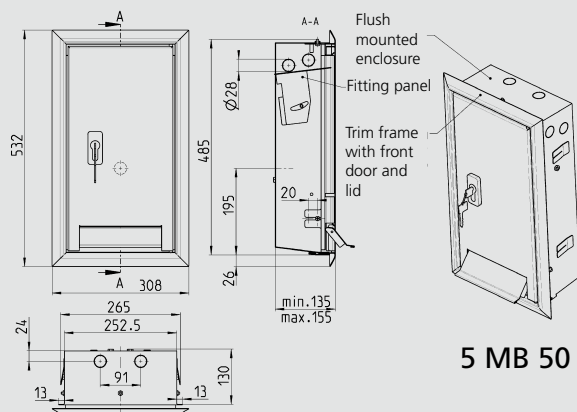
from stainless steel (material 1.4571), flat finished

Dimensions (H x W): 532 x 308 mm

front door, lockable with cylinder, (3 keys) lockable even when plugs or hoses are connected, door stop on the right

Back box and U-profile from stainless steel (material 1.4301) bright finish, material 1.4571 on request.

Dimensions (H x W x D): 485 x 265 x 130 mm



5 MB 50

ATTENTION:

Some countries may not allow the use of a distribution combination for water and power. Please check the local regulations if you intend to use these outside of Germany!



Flush mounted enclosure

cable entry bush (boreholes to be cut out): 2 x 28 mm on the top and 4 x 28 mm on the top (2 of each on the right and on the left), each for cable diameter up to 25 mm; 1 x 28 mm on the backside for the frost-proof outdoor tap

Comprises of:

- 1 splash guard
- 1 pivoting mounting angle, pre-drilled to accommodate optionally:
- 1 double Cepex receptacle, product group 1027 (CEE 16A or SCHUKO®) or
- 2 single wall mounted Cepex receptacles (CEE receptacle 16A or SCHUKO®) or
- 1 combination enclosure 170 x 118 mm

Part no. 18432



Variations of stainless steel flush mounted combinations for power and water connection.



Mounting angle



Splash guard

Stainless steel (material 1.4301)

Material 1.4571 on request.



CombiTOWER® – short routes to your energy source.

The ideal tap for industry, workshops, assembly shops, loading platforms, etc. Suitable for combination with receptacles from 16A to 63A. Special RAL colours available upon request.

Practical handling.

Enclosure size 1043 x 254.5 x 250 mm:
Due to removable hood easy assembly.
The hinged covers of the AMAXX® combinations can be opened smoothly.

CombiTOWER® on request with lockable door.
Using 63A receptacles with inserted plug does not allow to close the door.

Electrical outdoor installation easily made.

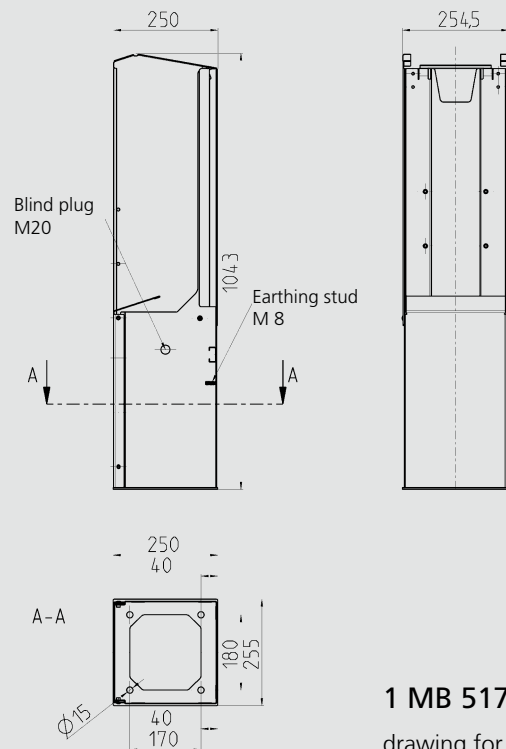
Short distance:

All the required supply connections (power, compressed air and water) are directly accessible at the workstation.

Easy installation:

Built-in standard rails for strain relief of feeder cable and M 20 for pneumatic connection included. M 8 ground stud integrated in the enclosure. Front plate may be staggered up or down, depending on the enclosure size.

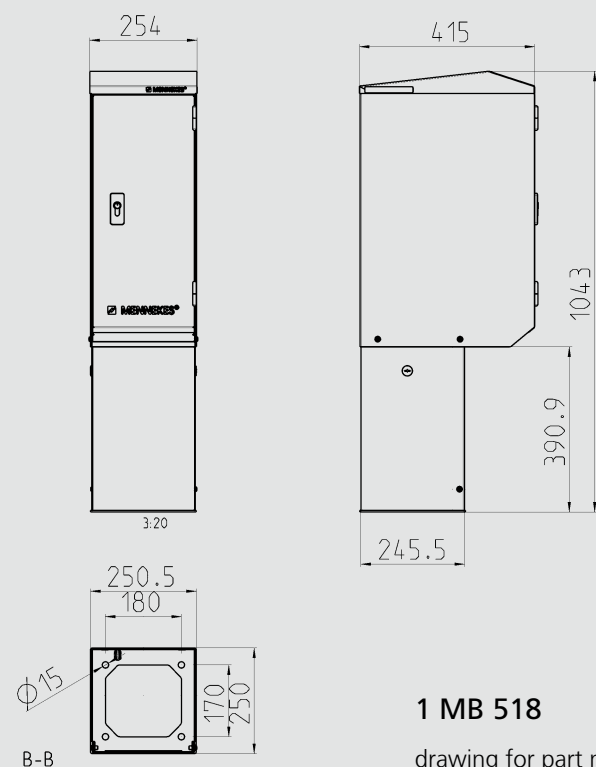
Easy to order: select the required combination size with the necessary components or receptacles, select the CombiTOWER® type for required enclosure size and quote both catalogue numbers.



1 MB 517

drawing for part no. 15678 and 15679

For part no. 15738 and 15739 just the sizes of the front plate differ



1 MB 518

drawing for part no. 15680 and 15681

For part no. 15740 and 15741 the dimensions of the combination enclosures and frontdoors differ



CombiTOWER®

made from stainless steel
(material 1.4301),
material 1.4571 on request

with removable cover,
dimensions (H x W x D):
1043 x 254.5 x 250 mm

for AMAXX® enclosures
with 2, 3 or 4 segments

painted signal yellow
(RAL 1003)

Part no. 15679

bright finish

Part no. 15678



CombiTOWER®

with lockable door
made from stainless steel
(material 1.4301),
material 1.4571 on request

with removable cover,
dimensions (H x W x D):
1043 x 254 x 415 mm

for AMAXX® enclosures
with 2, 3 oder 4 segments

painted signal yellow
(RAL 1003)

Part no. 15681

bright finish

Part no. 15680



CombiTOWER®

made from stainless steel
(material 1.4301),
material 1.4571 on request

with removable cover,
dimensions (H x W x D):
1043 x 254.5 x 250 mm

for AMAXX® enclosures
with 5 segments

painted signal yellow
(RAL 1003)

Part no. 15739

bright finish

Part no. 15738



CombiTOWER®

with lockable door
made from stainless steel
(material 1.4301),
material 1.4571 on request

with removable cover,
dimensions (H x W x D):
1043 x 254 x 415 mm

for AMAXX® enclosures
with 5 segments

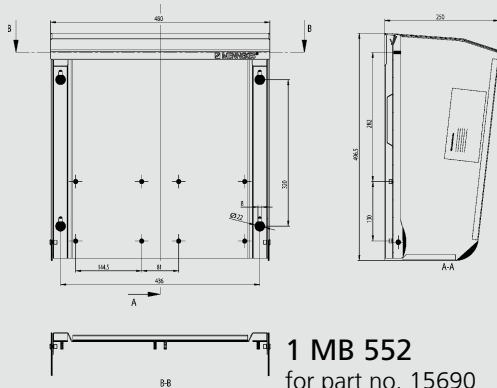
painted signal yellow
(RAL 1003)

Part no. 15741

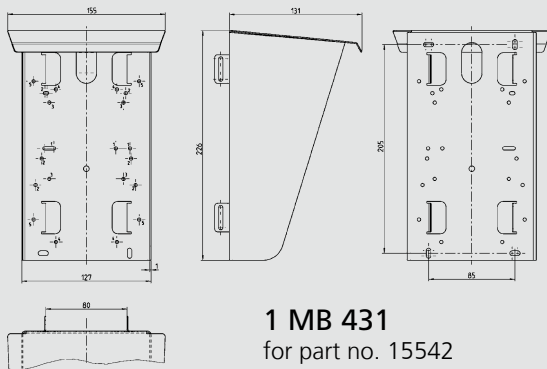
bright finish

Part no. 15740

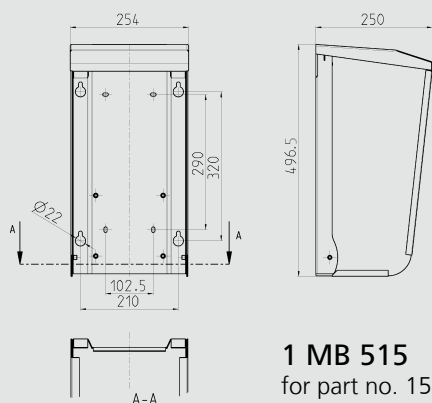
Stainless steel (material 1.4301).



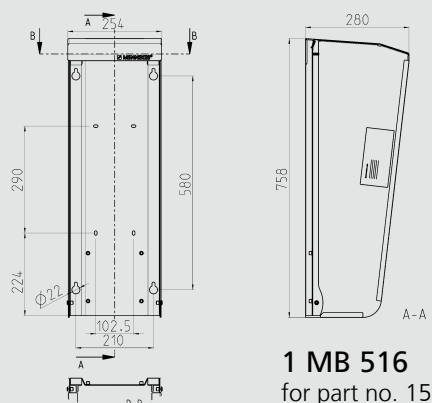
1 MB 552
for part no. 15690



1 MB 431
for part no. 15542



1 MB 515
for part no. 15682



1 MB 516
for part no. 15683



Weather shield

made from stainless steel (material 1.4301), with side blinds, cover can be removed from the back, for wall mounting

dimensions (H x W x D):
496.5 x 480 x 250 mm,
surface: bright finish

for 2 AMAXX® enclosures
with 2 or 3 segments

Part no. 15690

Weather shield

made from stainless steel (material 1.4301), with side blinds, for wall mounting or on a column

dimensions (H x W x D):
226 x 155 x 131/52 mm,
surface: bright finish

suitable to accommodate
receptacles, switches etc.

Part no. 15542



Attention!

When mounting on a column, please order separately:

Stainless steel mounting clips
(2 pcs. in a set)

Ø 70 - 90 mm

Part no. 22986

Ø 90 - 110 mm

Part no. 22987

Ø 110 - 130 mm

Part no. 22988

Options of equipment weather shield 15542:



Column

made from stainless steel
(material 1.4301),
surface: stainless steel
(basic column for shields
15682 and 15683)
height approx. 1300 mm

Part no. 15530



Weather shield

made from stainless steel
(material 1.4301),
with side blinds,
cover can be removed from
the back,
for wall mounting or on a
column 15530

dimensions (H x W x D):
496.5 x 254 x 250 mm,
surface: bright finish

for AMAXX® enclosures
with 2 or 3 segments

Part no. 15682



Weather shield

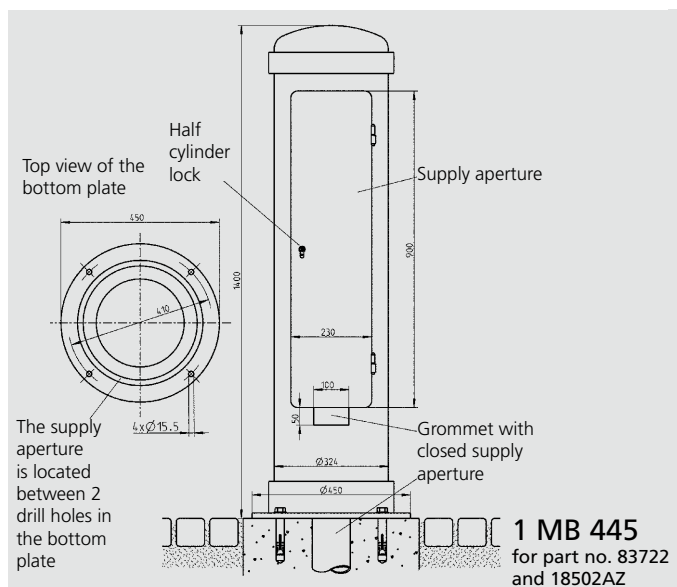
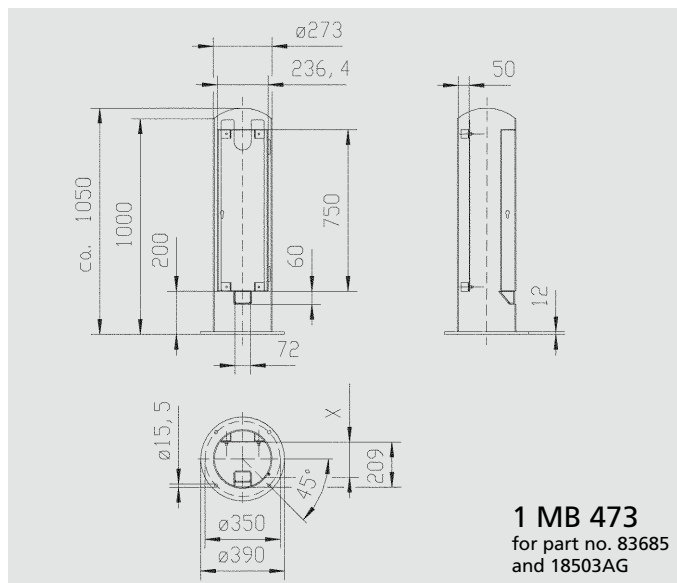
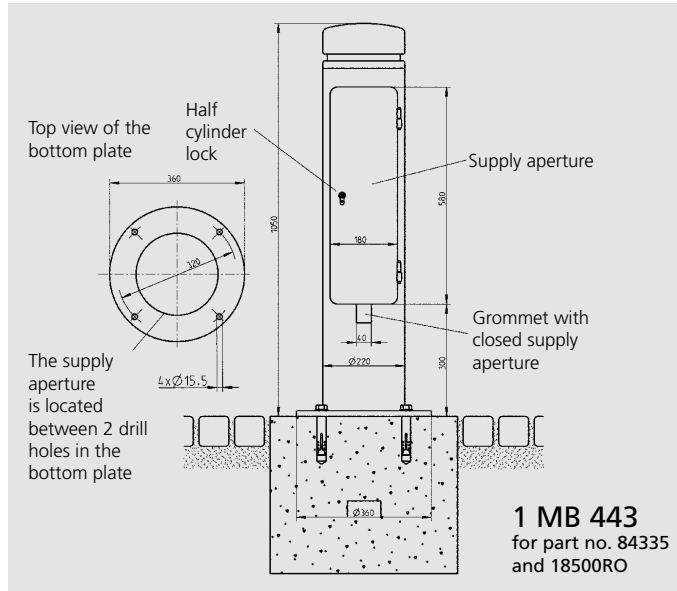
made from stainless steel
(material 1.4301),
cover can be removed from
the back,
for wall mounting or on a
column 15530

dimensions (H x W x D):
758 x 254 x 250 mm,
surface: bright finish

for AMAXX® enclosures
with 4 or 5 segments

Part no. 15683

From steel tube.



CEE receptacles

1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

2 SCHUKO® 16A, 230V

Fusing

1 MCB 16A, 3p, C
1 MCB 16A, 1p, B

Connection/feeder cable

For 1 cable up to
5 x 6 mm²

Enclosure size

1050 x 220 mm (H x Ø)

Part no.

84335

Power post enclosure

from steel tube,
wall thickness 4.0 mm,
hot-dip galvanised,
powder-coated,
colour: red,
hinged supply aperture
with safety lock,
dimensions (H x Ø):
1050 x 220 mm (inside),
weight: approx. 45 kg,
aperture at bottom:
(H x W) 50 x 40 mm,
fixing flange:
Ø 360 mm,
with 4 fixing holes
15.5 mm,
for fixing to an existing
fundament

Enclosure

Part no. 18500RO

Mounting plate

Part no. 15561000



CEE receptacles

1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

2 SCHUKO® 16A, 230V

Fusing

1 RCD 40A, 4p, 0.03A
1 MCB 32A, 3p, C
1 MCB 16A, 3p, C
2 MCB's 16A, 1p, B

Connection/feeder cable

For 1 cable up to
5 x 10 mm²

Enclosure size

1050 x 273 mm (H x Ø)

Part no.

83685



Power post enclosure

from steel tube,
wall thickness 4.5 mm,
galvanised, yellow
chromated and
powder-coated,
colour: anthracite
(RAL 7016),
hinged supply aperture
with safety lock,
dimensions (H x Ø):
1050 x 273 mm (inside),
weight: approx. 60 kg,
aperture at bottom:
(H x W) 60 x 70 mm
fixing flange: Ø 390 mm,
with 4 fixing holes
15.5 mm,
for fixing to an existing
fundament

Enclosure

Part no. 18503AG

Mounting plate

Part no. 15617



CEE receptacles

1 CEE 63A, 5p, 400V
1 CEE 32A, 5p, 400V
1 CEE 16A, 5p, 400V

CEE receptacles

Receptacles SCHUKO®

2 SCHUKO® 16A, 230V

Fusing

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

Connection/feeder cable

for 2 cables
up to 5 x 25 mm²

Enclosure size

1400 x 325 mm (H x Ø)

Part no.

83722



Power post enclosure

from steel tube,
wall thickness 4.5 mm,
hot-dip galvanised,
wet painted,
colour: anthracite
iron glitter DB703,
hinged supply aperture
with safety lock,
dimensions (H x Ø):
1400 x 325 mm (inside),
weight: approx. 100 kg,
aperture at bottom:
(H x W) 50 x 100 mm
fixing flange: Ø 450 mm,
with 4 fixing holes
15.5 mm,
for fixing to an existing
fundament

Enclosure

Part no. 18502AZ

Mounting plate

Part no. 15566