

AMIGO-Distribution Boards for flush mounting

Flush mounting
distribution boards

Distribution boards for
cavity partition walls

Accessories

**Now also available with
screw-less terminals**



■ The AMIGO small flush mounting distribution board, a specially designed solution for fast and safe installation on site. Discover the genuine plus points of the AMIGO system. Check it out for yourself by contacting your local stockist.

Features:

- Stability and Easy to fix
- Adaptable - easy to join enclosures together
- Top and bottom walls have been specially designed for easy cable installation
- Roomy - generous amount of space for connecting modular devices
- Expandable - DIN rail "stops" allow DIN rail capacity to be expanded from 12 to 13 or 14 modules as standard
- DIN rail separation - special connection in DIN rail mounting allows for electrical separation of DIN rails should the circuit conditions require it
- Insulated earth and neutral terminals
- Version available for direct mounting into cavity partition walls and system built walls

AMIGO Distribution Boards

Advantages of the new screw-less terminals

- Significant time saving by close insert of solid conductor and conductors with sleeve from 1,5-4 mm².
- Flexible conductors without sleeve can be connected by opening the terminal.
- Easy disconnection by means of a screw driver.
- Reliable and permanent connection.
- Large cross section up to 16 mm² can be safely fixed due to the tensile proving ring of the screw terminal.



Clever designed cable entry slider allows the break out for different cable diameters as well as for different trunkings. During the assembly it can be fixed in a "parking" position to fix cables and tubes.

Generous wiring space behind the DIN-rails and N/PE-terminals.

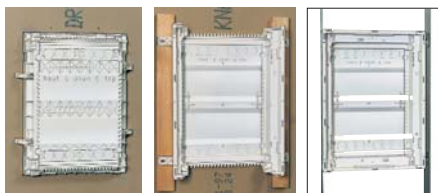


Easy fixing of the cabinet base with 4 mounting links.

Earth and neutral terminals can be snapped into the cabinet base.

User friendly pre-punched packaging with integrated carton cover to be used during plastering to prevent ingress of plaster.

Version for cavity partition walls includes accessories for easy mounting into metal frames with and without planking.



Cover frame can be adjusted vertically. Adjustment up to 15 mm is possible to compensate different plaster thickness. With accessory Art.-No 95093 it is possible to compensate up to 26 mm.

Circuit identification labels and tabs ideograms are included.



Space for "e-check" labels

Sealable front cover with additional design features.

Flush door in modern design - adjustable; easy to remove; left or right hand hinged; locking facility available.

AMIGO Distribution Boards

Flush mounting boards with door

Extent of delivery:

- Plastic wall box with sheet steel DIN rails
- Insulated earth (PE) / neutral (N)-terminals
- Protection cover with open section for modular devices, height of section = 46mm
- Outer frame with door
- Circuit legends
- Sheet with ideograms

Specification:

DIN VDE 0603 - 1 and DIN EN 60 439-3/DIN VDE 0660-504
Dimensions according to DIN 43 871

Approvals:



Protection degree:

IP 30 according to DIN VDE 0470 - 1/ EN 60529

Protection grade:

double isolated 

Rated voltage:

AC 400 V

Rated current:

Suitable for modular devices up to 63 Amps.

Material:

- Outer frame with door made of sheet steel, powder coated finish.
- Wall box and cover made of plastic material according to DIN ISO 11469.
- Distribution board for cavity partition walls: glow wire test = 850 °C

Colour:

RAL 9003; white

Door:

Hingeable right and left without dismantling of the outer frame.
Indoor mounted spring catch.

Door locking device:

Flat elegant spring catch.
Easy exchange for a locking device (same design).

Cable entries:

Knockouts in the removable top and bottom parts.
12 knockouts \varnothing 29 mm are at the rear side.
Lateral left and right are knockouts \varnothing 29 mm as follows:
1 row = 2, 2 row = 3, 3 row = 4, 4 row = 5

Protection cover:

Section for modular devices suitable for 12 modules,
can be extended to 14 modules.
Sealable, fixed to the wall box by 2 screws.

Modular devices:

Mounting depth up to 70 mm

Frame adjustment to thickness of plaster:

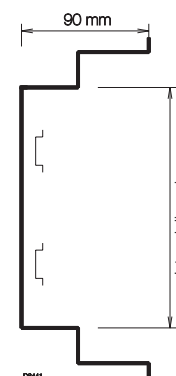
15 mm maximum possible by plastic pieces for different distances.
Together with distance part 95093 up to 26 mm possible

Distribution boards for cavity partition walls:

with special fixing clamps,
cable ties for stress relief,
angle brackets for fixing on metal wall construction frames.

Dimensions of wall box: (width x height x depth mm)

	1 row	2 row	3 row	4 row
Height - Internal Dimensions	235	360	510	635
Recess Dimensions	330 x 310 x *	330 x 435 x *	330 x 585 x *	330 x 710 x *
Cutout for cavity partition walls	310 x 295	310 x 420	310 x 570	310 x 695



* Dimensions for recess (depth)

- Minimum requirement is 68 mm
- from 68 to 81,5 mm – higher outer frame is required
- \geq 82 mm – standard outer frame

Dimensions of outer frame: (width x height mm)

	1 row	2 row	3 row	4 row
Outer dimensions	344 x 349	344 x 474	344 x 624	344 x 749

Space for wiring:

Connection space	1 row	2 row	3 row	4 row
on the top	130	130	155	155
on the bottom	105	105	105	105
lateral left/right	20	20	20	20

Dimensions in mm

Max. powerloss ($P_{zul.}$) for distribution boards according to DIN 43871 in Watt *

Temperature rise Δt	for flush mounting				
	10 K	15 K	20 K	25 K	30 K
$P_{zul.}$ (W) for 1-row	4,0	7,0	10,0	13,0	16,0
$P_{zul.}$ (W) for 2-row	5,0	8,0	11,5	15,0	19,0
$P_{zul.}$ (W) for 3-row	6,0	10,0	14,5	19,0	24,0
$P_{zul.}$ (W) for 4-row	7,0	11,5	16,5	21,5	27,0

* Max powerless $P_{zul.}$ for all-round closed distribution boards without horizontal shutters inside and approx evenly spread thermal load.
The overtemperature of the air inside the cabinet Δt is specified at 75% of the cabinets height.

AMIGO Distribution Boards

Flush mounting board



1 row
with PE-terminal
3 x 16/10 x 10 mm²
with N-terminal
3 x 16/10 x 10 mm²

14 **A12UPS**



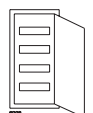
2 row
with PE-terminal
3 x 16/14 x 10 mm²
with N-terminal
5 x 16/10 x 10 mm² + 4 x 10 mm² for a second RCD

28 **A24UPS**



3 row
with PE-terminal
1 x 25/5 x 16/16 x 10 mm²
with N-terminal
1 x 25/5 x 16/16 x 10 + 4 x 10 mm² for a second RCD

42 **A36PS**



4 row
with PE-terminal
1 x 25/5 x 16/19 x 10 mm²
with N-terminal
1 x 25/5 x 16/19 x 10 + 4 x 10 mm² for a second RCD

56 **A48UPS**

Distribution Boards for cavity partition walls



1 row
with PE-terminal
3 x 16/10 x 10 mm²
with N-terminal
3 x 16/10 x 10 mm²

14 **A12HWS**



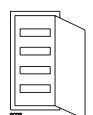
2 row
with PE-terminal
3 x 16/14 x 10 mm²
with N-terminal
5 x 16/10 x 10 mm² + 4 x 10 mm² for a second RCD

28 **A24HWS**



3 row
with PE-terminal
1 x 25/5 x 16/16 x 10 mm²
with N-terminal
1 x 25/5 x 16/16 x 10 + 4 x 10 mm² for a second RCD

42 **A36HWS**



4 row
with PE-terminal
1 x 25/5 x 16/19 x 10 mm²
with N-terminal
1 x 25/5 x 16/19 x 10 + 4 x 10 mm² for a second RCD

56 **A48HWS**

AMIGO Distribution Boards

Flush mounting board with screw-less terminal



1-row
with PE- and N-terminal
3 x 2,5–16 mm² each screw type
and 14 x 1,5 – 4 mm² each screw-less type

14

A12UP



2-row
with PE- and N-terminal
3 x 2,5–16 mm² each screw type
and 14 x 1,5 – 4 mm² each screw-less type
additional screw type terminal
1 x 16 + 3 x 10 mm² for a second RCD

28

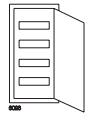
A24UP



3-row
with PE- and N-terminal
6 x 2,5–16 mm² each screw type
and 21 x 1,5 – 4 mm² each screw-less type
additional screw type terminal
1 x 16 + 3 x 10 mm² for a second RCD

42

A36P



4-row
with PE- and N-terminal
6 x 2,5–16 mm² each screw type
and 21 x 1,5 – 4 mm² each screw-less type
additional screw type terminal
1 x 16 + 3 x 10 mm² for a second RCD

56

A48UP

Distribution Boards for cavity partition walls with screw-less terminals



1-row
with PE- and N-terminal
3 x 2,5–16 mm² each screw type
and 14 x 1,5 – 4 mm² each screw-less type

14

A12HW



2-row
with PE- and N-terminal
3 x 2,5–16 mm² each screw type
and 14 x 1,5 – 4 mm² each screw-less type
additional screw type terminal
1 x 16 + 3 x 10 mm² for a second RCD

28

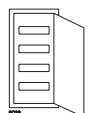
A24HW



3-row
with PE- and N-terminal
6 x 2,5–16 mm² each screw type
and 21 x 1,5 – 4 mm² each screw-less type
additional screw type terminal
1 x 16 + 3 x 10 mm² for a second RCD

42

A36HW















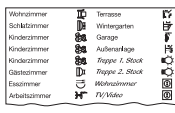



4-row
with PE- and N-terminal
6 x 2,5–16 mm² each screw type
and 21 x 1,5 – 4 mm² each screw-less type
additional screw type terminal
1 x 16 + 3 x 10 mm² or a second RCD

56

A48HW

AMIGO Distribution Boards

Accessories

Specification	Reference No.	Specification	Reference No.
 <p>Outer frame with door and spring catch (for replacement) RAL 9003, white VU/VH, one row VU/VH, two row VU/VH, three row VU/VH, four row</p>	<p>47591 47592 47593 47594</p>	 <p>Blank piece for 1 row with 12 modules RAL 9002, white 1 set = 10 pieces</p>	<p>DY 70X</p>
 <p>Higher outer frame (without door) depth 21 mm RAL 9003, white VU/VH, one row VU/VH, two row VU/VH, three row VU/VH, four row</p>	<p>47551 47552 47553 47554</p>	 <p>Locking bracket set (10 pieces) for the blank piece</p>	<p>69805</p>
 <p>Door with spring catch (for replacement) RAL 9003, white VU/VH, one row VU/VH, two row VU/VH, three row VU/VH, four row</p>	<p>75631 75632 75633 75634</p>	 <p>Door lock with 2 keys In exchange for snap locking device</p>	<p>60055</p>
 <p>Distance part for outer frame</p>	<p>95093</p>	 <p>Longitudinal wall (set with 20 pieces) to separate various tariff groups</p>	<p>62686</p>
 <p>Earth (PE)/neutral (N)-terminals (for replacement) screw-less type</p> <p>for 1 and 2-row boards PE+N-terminals 3 x 2,5 – 16 mm² each screw type and 14 x 1,5 – 4 mm² each screw-less type</p>	<p>VY 1 K</p>	 <p>Cross separation wall</p>	<p>60054</p>
 <p>for 3 – 4-row boards PE-terminal 6 x 2,5 – 16 mm² each screw type and 21 x 1,5 – 4 mm² each screw-less type</p>	<p>VY 2 K</p>	 <p>Insulating piece (set with 2 pieces)</p>	<p>46134</p>
 <p>N-terminal 6 x 2,5 – 16 mm² each screw type and 21 x 1,5 – 4 mm² each screw-less type</p>	<p>VY 3 K</p>	 <p>Tabs Ideograms DIN A4 available in following languages: German, Swedish (please specify)</p>	<p>42855</p>
 <p>Extension terminal for more RCDs</p> <p>N-terminal 1 x 16 mm² 3 x 10 mm²</p>	<p>81038</p>	 <p>Circuit identification cards</p>	<p>42882</p>
 <p>Wall box connection set 60053 (2 pieces) to connect two wall boxes with protection graded cable passing through from distribution board to distribution board horizontally.</p>			

AMIGO-Distribution Boards for surface mounting

Insulated enclosures

Accessories



■ AMIGO-Distribution-Boards for surface mounting are available with or without door.

Features:

- Base plate made of plastic material, designed with fixing facilities for in/outgoing feeder and prestamping an back plate and side walls.
- Prestamping for cable trunks
- PE/N-terminals with \pm screws, fully insulated (VBG4 - German Norm), with clip and easy mounting of PE+N-terminal block.
- For more than two rows with additional FI-N-terminal
- Devices for 12 modules á 18mm
- For devices from 51 to 68 mm height. With lowered DINrail (as accessorie), suitable also for devices up to 95 mm.

AMIGO-Distribution Boards

Advantages of the new screw-less terminals

- Significant time saving by close insert of solid conductor and conductors with sleeve from 1,5-4 mm².
- Flexible conductors without sleeve can be connected by opening the terminal.
- Easy disconnection by means of a screw driver.
- Reliable and permanent connection.
- Large cross section up to 16 mm² can be safely fixed due to the tensile proving ring of the screw terminal.



Bottom panel with prepunchings

The stable bottom panel of the surface-mounted small distributor serves both as a back panel and as a device support. The prepunchings in the back panel enable cable entries from the back.



PE/N terminal strip IAW BGV A3

The new design of the PE/N terminal strip ensures finger protection VBG4. Assembly of the PE/N terminal is done by merely snapping the PE+N support into the flush-mounted wall sleeve or the surface-mounted bottom panel. For the disassembly no tools are required either.



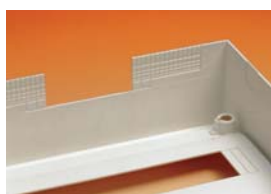
Combination frame

If several surface-mounted distributors are to be combined, the bottom panels can be flush-mounted thanks to the full perimeter distance collar. Thus no time-consuming assembly with having to keep space between the distributors is required.



FI-N terminal

The standard scope of delivery of 2-row, 3-row and 4-row small distributors includes another N terminal for FI circuits. This terminal can be mounted onto the device support rail by means of snap-on fastening or into the wall sleeve by means of clips.



Design hood

The newly designed hood of the surface-mounted small distributor has prepunchings for cable entries and/or conduit connection. The conduit connection has been designed so as to fit all standard conduits of the leading conduit manufacturers.



180° Door opening

An absolute novelty is the door opening angle of our new small distributor series Amigo. The angle amounts to 180°, thus ensuring that the door bears against the wall when open (escape routes!).



12 TE (HP) Bus connection

The device series with standardized cutout height of 46 mm and cutout width of 216 mm for 12 built-in devices at 18 mm horizontal pitch each (TE) can be widened from 12 to 14 TE (HP) by knocking out the prepunchings. Due to the width of the device support rail it is possible to mount the coupling links of all current bus systems sideways by fully retaining the 12 TE (HP).



Generous wiring space

There is enough wiring space - 20 mm - between back panel and lower edge of device support rail for cable bushing.



180° door opening Designer spring handle

The door is closed by a flush designer handle. The handle has a vertical axle and folds back into its initial position after actuation. Smooth and easy assembly and disassembly of the door due to manually operable door hinges. Door lock available as accessory.



Description of symbols

The circuit description system ensures precise and durable labelling of the circuits with consumer symbol, room symbol and numbering. The self-adhesive symbols can be removed at any time and be replaced by other symbols.

AMIGO-Distribution Boards

Technical information

Consumer units insulated

Specification:

 Protection degree: IP 30

Double insulated
DIN VDE 0603-1
(Dimensions acc. to DIN 43871)

Material:

Cover and rearplate made of
Polystyrol
Self extinguishing
Door made of sheet steel

Colour:

RAL 9003

Depth:

Suitable for 68 devices as:
MCBs, RCDs and Isolators
according to DIN 43880

Cover:

sealable

Door:

Hingeable right and left

Max. powerless ($P_{zul.}$) for distribution boards according to DIN 43871 in Watt*

Temperature rise Δt	for flush mounting				
	10 K	15 K	20 K	25 K	30 K
$P_{zul.}$ (W) for 1-row	5,5	9,0	12,5	16,5	21,0
$P_{zul.}$ (W) for 2-row	6,5	11,0	15,0	20,0	25,0
$P_{zul.}$ (W) for 3-row	7,0	12,0	17,0	22,0	28,0
$P_{zul.}$ (W) for 4-row	8,5	14,5	20,5	27,0	34,0

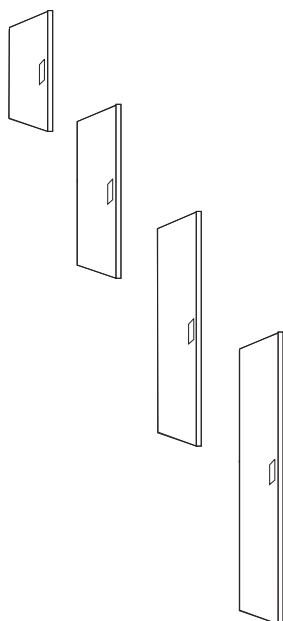
* Max powerless $P_{zul.}$ for all-round closed distribution boards without horizontal shutters inside and approx evenly spread thermal load. The overtemperature of the air inside the cabinet Δt is specified at 75% of the cabinets height.

AMIGO-Distribution Boards

Consumer units insulated, for surface mounting without door

	Specification	Modules à 18 mm	Dimensions (mm) width/height/depth	Reference No.
	1-row with PE- and N-terminal 2 x 2 x 25 mm ² and 2 x 11 x 16 mm ²	12	300x245 x 106	A12A
	2-row with PE- and N-terminal 2 x 2 x 25 mm ² and 2 x 15 x 16 mm ²	24	300x370 x 106	A24A
	3-row with PE- and N-terminal 2 x 2 x 25 mm ² and 2 x 33 x 16 mm ²	36	300x495 x 106	A36A
	4-row with PE- and N-terminal 2 x 2 x 25 mm ² and 2 x 33 x 16 mm ²	48	300x620 x 106	A48A

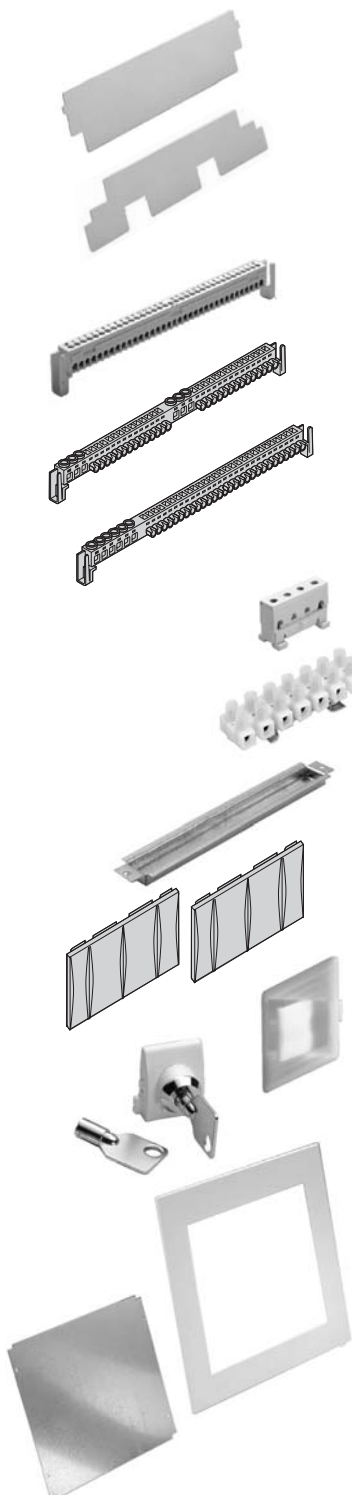
Doors for surface mounting boards



Specification	Dimensions (mm) width/height/depth	Reference No.
1-row version	298 x 189 x 9	AT12A
2-row version	298 x 314 x 9	AT24A
3-row version	298 x 439 x 9	AT36A
4-row version	298 x 564 x 9	AT48A

AMIGO-Distribution Boards

Accessories



Specification	Reference No.
Horizontal separation wall	AZA10
Vertical separation wall 1-row 2-row 3-row 4-row	AZA1 AZA2 AZA3 AZA4
Earth (PE)/neutral (N)-terminals (for replacement) for 1-row boards, with 2 rails á 12 clamps for PE or N for 2-row boards, with 2 rails á 16 clamps for PE or N for 3- and 4-row boards, with 1 rail á 33 clamps for N for 3- and 4-row boards, with 1 rail á 33 clamps for PE	AZPN12 AZN33 AZPN16 AZP33
Earth (PE)/neutral (N)-terminals (for replacement) for 1- and 2-row boards, with 14 clamps each for PE or N for 3- and 4-row boards, with 27 clamps for PE for 3- and 4-row boards, with 27 clamps for N	AZ17PN AZ27P AZ27N
Extension terminal for more RCDs, fully insulated (VBG4 - German Norm) for 1 x 4 clamps	AZN3
Control wire terminal 7-pole for 35 mm DIN rail mounting	XSK70
Lower fixing rail for 20 mm more depth	AZG1
Blank piece for covering	GBS24
Blank piece, lockable for covering	GBS25
Door lock, designer-made (for replacement)	AZTGR1
Door lock similar locking different locking	AZTA1 AZTA2
Door with glass insert for 1-row boards for 2-row boards for 3-row boards for 4-row boards	AZTS12A AZTS24A AZTS36A AZTS48A
Mounting plate for 1-row boards for 2-row boards for 3-row boards for 4-row boards	AZM1 AZM2 AZM3 AZM4