

AKe / AK / AKi

Distribution Boards

IP 65 - 400 V, 3 - 70 way



- Design and functionality characterise the distribution boards of the AK housing system
- You will find distribution boards with 3 up to 70 way distribution units as well as empty enclosures and meter housings
- Pre-assembled IP 65 sealing membranes (AK/AKi)
- Individual transparent doors can be lead sealed, blanking off of individual rows
- By activating the lock bolt set (accessories starting with AK 28), several rows of switches can be safely locked with the help of one single lock.
- With 150 mm distance between rails (from AK 28), the distribution boards provide generous space for wiring
- Can be combined with other AK components (from AK 14)
- Screwless PE/N terminals (from AK 14) enable a safe and time-saving wiring
- Wide range of accessories included
- Unlimited permutations of AK components give a variety of options when installing

AKe / AK / AKi Distribution Boards Contents

iQ - Industrial Quality
All products of series
that are specially
designed for industrial
applications and end in
"-I" can be identified
by the blue background.



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Note:

The formation of condensation [water] is a concern for protected and unprotected exterior installations. See also section 2 in the Technical Appendix.



AKe Distribution boards

IP 55, 400 V



- 3 - 48 way distribution units
- Including PE/N terminals

- Can be combined with additional housings of the AK-system

- Individual transparent doors can be lead sealed, blanking off of individual rows

- Including stepped nipples for cable entry

AKe Distribution Boards

AKe 03

100 x 150 x 96 mm



IP 55

Knock-out entries
top end:
3 x M20 bottom:
2 x M20/M25,
sidewalls each:
2 x M20,
bottom: 1 x M20

Description

Distribution board, $U_i=400$ V, 3 way units, with cover and marker strips, insulating seals and entry spouts, material: Polystyrene

Order No.

Packing Qty

AKe 03

PE/N terminal 2x4 pole, 6/ 16 mm²

735 503 01

1/1

AKe 03-L

without PE/N terminals

735 603 01

1/1

AKe 05

125 x 200 x 122 mm



IP 55

Knock-out entries
sidewalls each:
4 x M20,
1 x M20/M25,
sidewalls each:
2 x M20,
bottom:
1 x M20

Distribution board, 5 way units, $U_i=400$ V, with cover and marker strips, insulating seals and entry spouts, material: Polystyrene

AKe 05

PE/N terminal 2x5 pole, 6/ 16 mm²

735 505 01

1/1

AKe 05-L

without PE/N terminals

735 605 01

1/1

AKe 09

200 x 200 x 122 mm



IP 55

Knock-out entries
sidewalls each:
8 x M20,
1 x M25/M32,
sidewalls each:
2 x M20,
bottom:
2 x M20/M25

Distribution board, 9 way units, $U_i=400$ V, with cover and marker strips, insulating seals and entry spouts, material: Polystyrene

AKe 09

PE/N terminal 2x7 pole, 6/ 16 mm²

735 509 01

1/1

AKe 09-L

without PE/N terminals

735 609 01

1/1

AKe 12

250 x 200 x 122 mm



IP 55

Knock-out entries
sidewalls each:
8 x M20
2 x M20/M25,
1 x M32/M40,
sidewalls each:
2 x M20,
bottom:
2 x M20 / M25

Description

Order No. Packing Qty

Distribution board, 12 way units, $U_i=400$ V, with cover and marker strips, insulating seals and entry spouts, material: Polystyrene

AKe 12

PE/N terminal 2x12 pole, 6/ 16 mm²

735 512 01

1/1

AKe 12-L

without PE/N terminals

735 612 01

1/1

AKe 24

250 x 370 x 122 mm



IP 55

Knock-out entries
top end:
8 x M20,
1 x M20/M25,
1 x M32/M40
below:
8 x M20,
2 x M32/M40
bottom:
4 x M20/M25

Distribution board, 2 rows, 24 way units, $U_i=400$ V, with cover and marker strips, insulating seals and entry spouts, material: Polystyrene

AKe 24

PE/N terminal 2x16 pole, 6/16 mm²

735 724 01

1/1

AKe 24-L

without PE/N terminals

735 824 01

1/1

AKe Distribution Boards

AKe 36

300 x 600 x 142 mm



IP 55

Knock-out entries
top end:
17 x M20,
2 x M20/M25,
1 x M32/M40,
below:
15 x M20,
2 x M20/M25,
1 x M32/M40,
sidewalls each:
16 x M20,
4 x M25/M32

Description

Order No. Packing Qty

Distribution board, 3 rows, 36 way units, $U_i=400$ V, 150 mm distance between rails, with entry spouts, cover and marker strips, material: Polystyrene

AKe 36

PE/N terminal 2x25 pole, 6/16/25mm²

735 536 01

1/1

AKe 36-L

without PE/N terminals

735 636 01

1/1

AKe 48

300 x 600 x 142 mm



IP 55

Knock-out entries
top end:
17 x M20,
2 x M20/M25,
1 x M32/M40,
below:
15 x M20,
2 x M20/M25,
1 x M32/M40,
sidewalls each:
20 x M20,
5 x M25/M32

Distribution board, 4 rows, 48 way units, $U_i=400$ V, 150 mm distance between rails, with entry spouts, cover and marker strips, material: Polystyrene

AKe 48

PE/N terminal 2x25 pole, 6/16/25mm²

735 548 01

1/1

AKe 48-L

without PE/N terminals

735 648 01

1/1

AK / AKi Compact Small distributors

IP 65 - 400 V

3 - 36 way distribution units



▲ Quick installation
due to patented
sealing membranes



▲ Subsequent assembly
of cylinder lock is
possible



▲ Special designs
on request



▲ Simple combination
possibilities
(AK / AKi 05 up to
AK / AKi 24)

AK 03

100 x 150 x 96 mm

IP 65

Description**Order No.** **Packing Qty**

Distribution board, 3 way units, $U_i=400\text{ V}$,
PE/N terminal 2x4 pole, 6/16 mm²,
3 top end elastic entries, with cover and marker strips,
insulating seals and supplementary double membrane spouts



Knock-out entries
top end:
3 x M20
below:
2 x M20 / M25
sidewalls each:
2 x M20
bottom: 1 x M20

AK 03

Material: Polystyrene

735 403 01

16/1

AKi 03

100 x 150 x 96 mm

IP 65



Distribution board, **Industrial Quality**, 3 way units, $U_i=400\text{ V}$,
PE/N terminal 2x4 pole, 6/16 mm²,
3 top end elastic entries, with cover and marker strips,
insulating seals and supplementary double membrane spouts



Knock-out entries
top end:
3 x M20
below:
2 x M20 / M25
sidewalls each:
2 x M20
bottom: 1 x M20

AKi 03

Material: Polycarbonate

736 403 01

16/1

AK 05

125 x 200 x 122 mm

IP 65

Distribution board, 5 way units, $U_i=400\text{ V}$,
PE/N terminal 2 x 5 pole, 6/16 mm²,
4 top end elastic entries, with cover and marker strips,
insulating seals and supplementary double membrane spouts



Knock-out entries
sidewalls each:
4 x M20
1 x M20 / M25
sidewalls each:
2 x M20
bottom: 1 x M20

AK 05

Material: Polystyrene

735 405 01

9/1

AKi 05

125 x 200 x 122 mm

IP 65



Distribution board, **Industrial Quality**, 5 way units, $U_i=400\text{ V}$,
PE/N terminal 2 x 5 pole, 6/16 mm²,
4 top end elastic entries, with cover and marker strips,
insulating seals and supplementary double membrane spouts



Knock-out entries
sidewalls each:
4 x M20
1 x M20 / M25
sidewalls each:
2 x M20
bottom: 1 x M20

AKi 05

Material: Polycarbonate

736 405 01

9/1

AK 09

200 x 200 x 122 mm

IP 65

Description

Distribution board, 9 way units, $U_i=400$ V, PE/N terminal 2 x 7 pole, 6/16 mm², 6 top end elastic entries, with cover and marker strips, insulating seals and supplementary double membrane spouts

Order No.

Packing Qty



Knock-out entries
sidewalls each:
8 x M20
1 x M25/M32
sidewalls each:
2 x M20
bottom:
2 x M20 / M25

AK 09

Material: Polystyrene

735 409 01

6/1

AKi 09

200 x 200 x 122 mm

IP 65



Distribution board, **Industrial Quality**, 9-way units, $U_i=400$ V, PE/N terminal 2 x 7 pole, 6/16 mm², 6 top end elastic entries, with cover and marker strips, insulating seals and supplementary double membrane spouts



Knock-out entries
sidewalls each:
8 x M20
1 x M25/M32
sidewalls each:
2 x M20
bottom:
2 x M20 / M25

AKi 09

Material: Polycarbonate

736 409 01

6/1

AK 12

250 x 200 x 122 mm

IP 65

Distribution board, 12 way units, $U_i=400$ V, PE/N terminal 2 x 12 pole, 6/16 mm², 8 top end elastic entries, with cover and marker strips, insulating seals and supplementary double membrane spouts



Knock-out entries
sidewalls each:
8 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
2 x M20
bottom:
2 x M20 / M25

AK 12

Material: Polystyrene

735 412 01

4/1

AKi 12

250 x 200 x 122 mm

IP 65



Distribution board, **Industrial Quality**, 12 way units, $U_i=400$ V, PE/N terminal 2 x 12 pole, 6/16 mm², 8 top end elastic entries, with cover and marker strips, insulating seals and supplementary double membrane spouts



Knock-out entries
sidewalls each:
8 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
2 x M20
bottom:
2 x M20 / M25

AKi 12

Material: Polycarbonate

736 412 01

4/1

AK / AKi - Distribution Boards

AK 24

250 x 370 x 122 mm



IP 65

Knock-out entries
sidewalls each:
8 x M20
2 x M25/M32
1 x M32 / M40
sidewalls each:
8 x M20
2 x M32/40

Description

Distribution board, 24 way units, $U_i=400$ V,
PE/N terminal 2 x 16 pole, 6/16 mm²,
cover and marker strips,
insulating seals and supplementary double membrane spouts

Order No.

Packing Qty

AK 24

Material: Polystyrene

735 424 01

3/1

AKi 24

250 x 370 x 122 mm



IP 65

Knock-out entries
sidewalls each:
8 x M20
2 x M25/M32
1 x M32 / M40
sidewalls each:
8 x M20
2 x M32/40



Distribution board, Industrial Quality, 24 way units, $U_i=400$ V,
PE/N terminal 2 x 16 pole, 6/16 mm²,
cover and marker strips,
insulating seals and supplementary double membrane spouts

AKi 24

Material: Polycarbonate

736 424 01

3/1



AK / AKi Distribution Boards

IP 65 / 400 V

14 - 70 way distribution units

▼ Screwless PE/N terminals

▼▼ Simple division of the N terminal into two N potentials (from AK 28)

Including cable aperture with hinged compartment for documents



halogen-free



▲ Due to knock-outs, the side panels of the enclosures can be easily detached from outside

▲ Horizontal and vertical combination up to protection class IP 65

▲ Combination connector supplied with standard delivery

▲ By activating the lock bolt several rows of switches can be safely locked with the help of one single lock.

AK / AKi Distribution Boards

AK 14

300 x 300 x 142 mm



IP 65

Description

Distribution board, 1 row, 14 way units, $U_i=400$ V, screwless PE/N terminals with each 3 screw clamping points, 2.5 - 16 mm², 14 screwless clamping points, 1.5 to 4 mm², top end elastic entries, with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

Order No.

Packing Qty

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
8 x M20
2 x M25/M32

AK 14

Material: Polystyrene

735 414 01

1/1

AKi 14

300 x 300 x 142 mm



IP 65



Distribution board, **Industrial Quality**, 1 row, 14 way units, $U_i=400$ V, screwless PE/N terminals with each 3 screw clamping points, 2.5 - 16 mm², 14 screwless clamping points, 1.5 to 4 mm², top end elastic entries, with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
8 x M20
2 x M25/M32

AKi 14

Material: Polycarbonate

736 414 01

1/1

AK 28

300 x 450 x 142 mm



IP 65

Distribution board, 2 row, 28 way units, $U_i=400$ V, 150 mm distance between rails, screwless PE/N terminals with each 6 screw clamping points, 2.5 - 16 mm², 21 screwless clamping points, 1.5 to 4 mm², with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
12 x M20
3 x M25/M32

AK 28

Material: Polystyrene

735 428 01

1/1

AKi 28

300 x 450 x 142 mm



IP 65



Distribution board, **Industrial Quality**, 2 row, 28 way units, $U_i=400$ V, 150 mm distance between rails, screwless PE/N terminals with each 6 screw clamping points, 2.5 - 16 mm², 21 screwless clamping points, 1.5-4 mm², with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
12 x M20
3 x M25/M32

AKi 28

Material: Polycarbonate

736 428 01

1/1

AK 42

300 x 600 x 142 mm



IP 65

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
16 x M20
4 x M25/M32

Description

Distribution board, 3 row, 42 way units, $U_i=400$ V, 150 mm distance between rails, screwless PE/N terminals with each 6 screw clamping points, 2.5 - 16 mm², 21 screwless clamping points, 1.5 to 4 mm², top end elastic entries, with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

Order No. Packing Qty

AK 42

Material: Polystyrene

735 442 01

1/1

AKi 42

Material: Polycarbonate

736 442 01

1/1

AKi 42

300 x 600 x 142 mm



IP 65

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
16 x M20
4 x M25/M32



Distribution board, **Industrial Quality**, 3 row, 42 way units, $U_i=400$ V, 150 mm distance between rails, screwless PE/N terminals with each 6 screw clamping points, 2.5 - 16 mm², 21 screwless clamping points, 1.5 to 4 mm², top end elastic entries, with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

AK 42

Material: Polystyrene

735 442 01

1/1

AKi 42

Material: Polycarbonate

736 442 01

1/1

AK 56

300 x 750 x 142 mm



IP 65

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
20 x M20
5 x M25/M32

Distribution board, 4 row, 56 way units, $U_i=400$ V, 150 mm distance between rails, screwless PE/N terminals with each 6 screw clamping points, 2.5 - 16 mm², 21 screwless clamping points, 1.5 to 4 mm², top end elastic entries, with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

AK 56

Material: Polystyrene

735 456 01

1/1

AKi 56

300 x 750 x 142 mm



IP 65

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
20 x M20
5 x M25/M32



Distribution board, **Industrial Quality**, 4 row, 56 way units, $U_i=400$ V, 150 mm distance between rails, screwless PE/N terminals with each 6 screw clamping points, 2.5 - 16 mm², 21 screwless clamping points, 1.5 to 4 mm², top end elastic entries, with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

AKi 56

Material: Polycarbonate

736 456 01

1/1

AK / AKi - Distribution Boards

AK 70

300 x 900 x 142 mm



IP 65

Description

Distribution board, 5 row, 70 way units, $U_i = 400$ V, 150 mm distance between rails, screwless PE/N terminals with each 6 screw clamping points, 2.5 - 16 mm², 21 screwless clamping points, 1.5 to 4 mm², top end elastic entries, with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

Order No.

Packing Qty

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
24 x M20
6 x M25/M32

AK 70

Material: Polystyrene

735 470 01

1/1

AKi 70

300 x 900 x 142 mm



IP 65



Distribution board, **Industrial Quality**, 5 row, 70 way units, $U_i = 400$ V, 150 mm distance between rails, screwless PE/N terminals with each 6 screw clamping points, 2.5 - 16 mm², 21 screwless clamping points, 1.5 to 4 mm², top end elastic entries, with cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
24 x M20
6 x M25/M32

AKi 70

Material: Polycarbonate

736 470 01

1/1

AK / AKi 14 to 70



Including cable aperture with hinged compartment for documents

Quick installation due to pre-assembled sealing membranes IP 65

Quick installation due to screwless PE/N terminals

Pre-embossed side and top walls can be eliminated for combinations

The spacious 150 mm distance between the rails offers sufficient space for modern REG's and when using multi-phase terminals



The N terminal is delivered in a continuous version. Should a segmentation of the rails be desired, the integrated cross connector can be simply removed with a screwdriver. (from AK 28)

Can be provided with up to 14 divider units per row

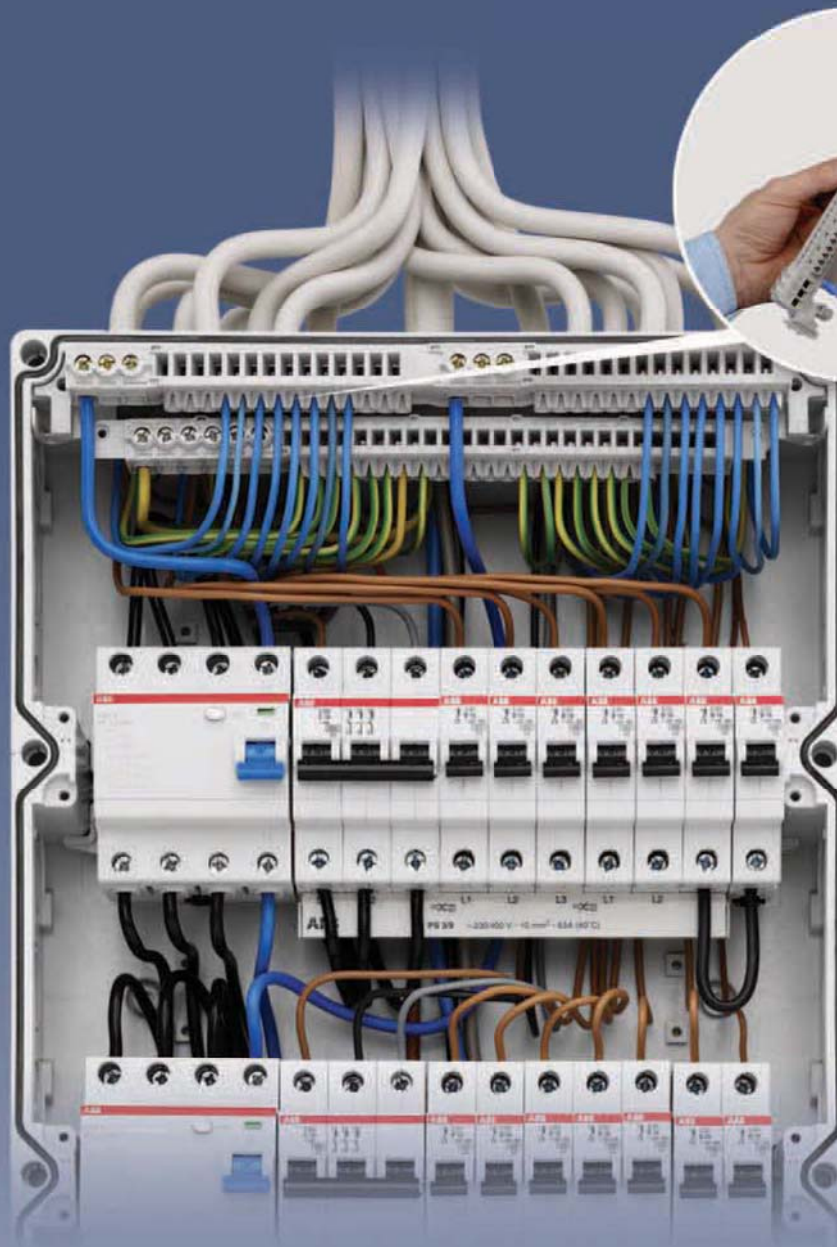
Convenient wiring due to 35 mm standard rail which can be clicked

A various number of pre-embossing offer several possibilities when connecting and in the event of combinations

Including extensive accessories: Cable aperture with hinged compartment for documents, extension connectors, cover and label strips



AK / AKi Distribution Boards



By simply removing the cross connector, the N terminal can be divided into two N potentials (e.g. for integrating an additional RCD/GFCI)

* Information about the use of RCDs/GFCIs can be found in the Technical Appendix!



Should more than two N potentials be required, the lower part of the distribution board can be expanded to accommodate an additional N terminal strip (order number: 790 318 01)

AK / AKi Plus

Small distributors

IP 65 - 400 V



- Additional space for connection with installed standard rail, e.g. to take terminal blocks

- By turning the enclosure, the additional connection space can be used either above or below the assembled devices

- Individual doors with left hand hinge / right hand hinge enable the lead sealing or locking of individual rows

- Ideal combination: Plus-component with integrated vision panel
- Mounting of electronic components

AK / AKi-Plus Distribution Boards

AK 14 Plus

150 mm additional space
300 x 450 x 142 mm



IP 65

Knock-out
entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
12 x M20
3 x M25/M32

Description

Distribution board, 1 row, 14 way units, $U_i=400$ V, top end elastic entries, 150 mm distance between rails, without PE/N terminal, with 35 mm mounting rail in extra space for connection, cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

Order No. Packing Qty

AK 14 Plus

Material: Polystyrene

737 414 01

1/1

AKi 14 Plus

150 mm additional space
300 x 450 x 142 mm



IP 65

Knock-out
entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
12 x M20
3 x M25/M32



Distribution board, **Industrial Quality**, 1 row, 14 way units, $U_i=400$ V, top end elastic entries, 150 mm distance between rails, without PE/N terminal, with 35 mm mounting rail in extra space for connection, cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

AKi 14 Plus

Material: Polycarbonate

738 414 01

1/1

AK 28 Plus

150 mm additional space
300 x 600 x 142 mm



IP 65

Knock-out
entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
16 x M20
4 x M25/M32

Distribution board, 2 row, 28 way units, $U_i=400$ V, top end elastic entries, 150 mm distance between rails, without PE/N terminal, with 35 mm mounting rail in extra space for connection, cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

AK 28 Plus

Material: Polystyrene

737 428 01

1/1

AKi 28 Plus

150 mm additional space
300 x 600 x 142 mm



IP 65

Knock-out
entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
16 x M20
4 x M25/M32



Distribution board, **Industrial Quality**, 2 row, 28 way units, $U_i=400$ V, top end elastic entries, 150 mm distance between rails, without PE/N terminal, with 35 mm mounting rail in extra space for connection, cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

AKi 28 Plus

Material: Polycarbonate

738 428 01

1/1

AK 42 Plus

150 mm additional space
300 x 750 x 142 mm



IP 65

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
20 x M20
5 x M25/M32

Description

Distribution board, 3 row, 42 way units, $U_i=400$ V, top end elastic entries, 150 mm distance between rails, without PE/N terminal, with 35 mm mounting rail in extra space for connection, cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

Order No. Packing Qty

AK 42 Plus
Material: Polystyrene

737 442 01

1/1

AKi 42 Plus

150 mm additional space
300 x 750 x 142 mm



IP 65

Knock-out entries
top end:
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
20 x M20
5 x M25/M32



Distribution board, **Industrial Quality**, 3 row, 42 way units, $U_i=400$ V, top end elastic entries, 150 mm distance between rails, without PE/N terminal, with 35 mm mounting rail in extra space for connection, cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

AKi 42 Plus
Material: Polycarbonate

738 442 01

1/1

AK 56 Plus

150 mm additional space
300 x 900 x 142 mm



IP 65

Knock-out entries
top end
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
24 x M20
6 x M25/M32

Distribution board, 4 row, 56 way units, $U_i=400$ V, top end elastic entries, 150 mm distance between rails, without PE/N terminal, with 35 mm mounting rail in extra space for connection, cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

AK 56 Plus
Material: Polystyrene

737 456 01

1/1

AKi 56 Plus

150 mm additional space
300 x 900 x 142 mm



IP 65

Knock-out entries
top end
17 x M20
2 x M20 / M25
1 x M32 / M40
below:
15 x M20
2 x M20 / M25
1 x M32 / M40
sidewalls each:
24 x M20
6 x M25/M32



Distribution board, **Industrial Quality**, 4 row, 56 way units, $U_i=400$ V, top end elastic entries, 150 mm distance between rails, without PE/N terminal, with 35 mm mounting rail in extra space for connection, cable aperture, cover and marker strips, supplementary double membrane spouts and other accessories

AKi 56 Plus
Material: Polycarbonate

738 456 01

1/1

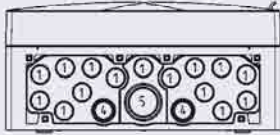
AK / AKi-Plus Distribution Boards

Knock-out Entries

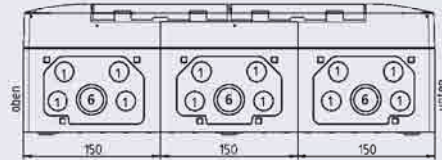
AK / AKi Plus

Example: AK / AKi 28

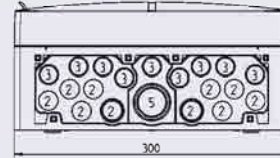
Top side below



Both side walls



Top side above



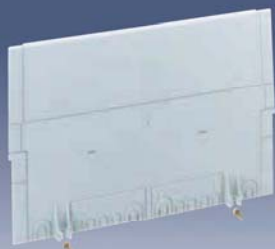
- 1 = M20 knock-out
- 2 = Ø20 fitted with double membrane nipple
- 3 = Ø20 knock-out for double membrane nipple
- 4 = M20/25 knock-out
- 5 = M32/M40 knock-out
- 6 = M25/M32 knock-out



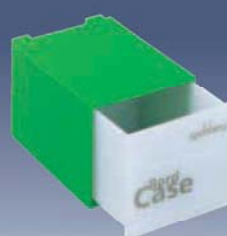
AK / AKi / AKe Accessories



▲ **Ventilation seal**
for reducing
condense water
in enclosures



▲ **Partition wall**
for assembly into
components of the
AK enclosure system



▲ **Board Case**
For closing off unused
circuit-breaker positions
and housing fuses, etc.



▲ **Lock bolt set**
Safe closing off of
various circuit-breaker
rows by using only
one single lock

AK Combi set

IP 65



Description

For horizontal or vertical combination of all AK enclosures from 300 x 150 mm, complete with wedge connectors and intermediate sealing for 150 and 300 mm enclosure sides each 300 mm = 1 combi set

Order No.

Packing Qty

AK KS-IP65

791 001 01

100/1

Combi set

IP 30



Combi set without intermediate enclosure seal, for horizontal or vertical combination of all AK enclosures from 300 x 150 mm, 1 set = 10 wedge connectors

AK KS-IP30

591 100 01

1/1

Combi set

IP 66



Combi set, protection class IP 66, for side connection of housings with metric openings, complete with lock nuts and intermediate wall seal inserts

Insert	f. wall thicknesses up to
KS M20	2 x 3,0 mm
KS M25	2 x 3,0 mm
KS M32	2 x 3,5 mm

192 020 01

1/1

192 025 01

1/1

192 032 01

1/1

Combi connector M32

IP 54



Combination connector, for connecting enclosures, thermo plastic

KST M32 f. wall thicknesses 1,5 - 4,0 mm

193 032 01

100/1

Double membrane seals

IP 66



Double membrane seals made of elastic plastic with two sealing membranes, closed

Insert	f. wall thicknesses	Sealing range
DMS M16	1,5 - 4,5 mm	5 - 9 mm
DMS M20	1,5 - 4,5 mm	7 - 12 mm
DMS M25	1,5 - 4,5 mm	9 - 16 mm
DMS M32	1,5 - 4,5 mm	14 - 21 mm

260 416 01

600/50

260 420 01

600/50

260 425 01

600/50

260 432 01

300/25

Cable Glands

IP 68



Cable glands with tension relief and lock nut

	Thread length	Sealing area
KVR M12-MGM		
KVR M16-MGM	8,0 mm	4 - 10,0 mm
KVR M20-MGM	9,0 mm	6 - 12,0 mm
KVR M20-GDB/MGM	9,0 mm	7 - 14,0 mm
KVR M25-MGM	11,0 mm	7 - 16,0 mm
KVR M32-MGM	11,0 mm	11 - 21,0 mm
KVR M40-MGM	11,0 mm	16 - 28,0 mm
KVR M50-MGM	13,0 mm	21 - 34,5 mm
KVR M63-MGM	17,0 mm	32 - 44,5 mm

227 412 01

600/100

227 416 01

450/75

227 420 01

300/50

227 421 01

180/30

227 425 01

150/25

227 432 01

60/10

227 440 01

30/5

227 450 01

30/5

227 463 01

50/5

Ventilation seal

IP X4



Description

With labyrinth seal to reduce condensation formation in housing, for insert in lower housing side

Order No.

Packing Qty

Insert f. wall thicknesses/mm
BST M20 1,5 - 4,5

262 420 1

600/100

Mounting flange



For mounting on components of the AK enclosure system on 300 mm wide end walls (AKL, AKZ,...), complete with materials for fixing and pre-embossing

AK ABF 1
2 x M32 / M40 / M50, 1 x M40 / M50 / M63

795 048 01

1/1

AK ABF 2
smooth for self-drilling

795 050 01

1/1

Lock fittings



For fitting to hinged doors of distribution boxes AK 03 to AK/AKi 70 and AK/AKi Plus 14 to 56, with 2 keys and installation instructions

AK SGA
Identical locks

706 102 01

1/1

AK SGA-2
Different locks

706 902 01

1/1

Lock bolt set



Lock bolt set, 4 pieces, for installation in AK/AKi 28 to 70 and AK/AKi Plus 28 to 56, In conjunction with the lock fittings 706 102 01 / 706 902 01 several hinged windows can be safely locked by activating only one single lock.

AK SRS

706 104 01

200/1

Padlock kit



For fitting on the components of the AK enclosure system, from size 150 x 300 mm, complete with drilling template, fixing screws and locking seals

VSG

190 100 01

20/1

AK external hinge kit



For converting the upper part of enclosure to a door, for the components of the AK enclosure system from size 300 x 150 mm complete with drilling template, fixing screws and locking seals

ASS-gro

190 005 01

200/1

Partition

with knockouts



Description

For installation in the components of the AK enclosure system, 300 mm wide, universal application for various enclosure heights

Order No.

Packing Qty

AK TW

797 910 01

1/1

Cable cover

300 x 125 x 90 mm



For installation in the components of the AK enclosure system for 300 mm wide end walls (AKL, AKZ, ...), The distribution boxes from AK/AKi 14 and from AK/AKi 14 Plus are provided with cable covers as standard

AK KBL

792 400 01

1/1

Masking off strips



Masking off strips to close off unused circuit-breaker positions, width 108 mm for 6 splitter units, detachable, grey

AK AS

799 012 01

1/1

Board Case



For closing off unused circuit-breaker positions, width 54 mm for 3 way units, for 35 mm standard rail, e.g. to house fuses, operating instructions, etc.

AK BC

799 103 01

1/1

Mounting plates



4 mm thick plate of insulating material, with fixing screws

	Dimension /mm	Enclosure type		
AK MPI 1	240 x 112 x 4	for AKL / AKi 1-4	795 001 01	1/1
AK MPI 2	240 x 240 x 4	for AKL / AKi 2-4	795 002 01	1/1
AK MPI 3	240 x 390 x 4	for AKL / AKi 3+4	795 003 01	1/1
AK MPI 4	240 x 540 x 4	for AKL / AKi 4	795 004 01	1/1

Mounting rail NS 35



For AK/AKi enclosures according to DIN EN 50 022 35 x 7.5

AK NS35-250, from Abox 300 x 300 mm,
Length 250 mm, including spacers

562 735 01

1/1

AK NS35-216, from Abox 150 x 300 mm,
Length 216 mm, with screws
for universal floor fixing

795 030 01

1/1

AK External fixing plates



For mounting of separate enclosures or small units on flat wall surfaces,
may be fixed to the bottom of the enclosure at an angle of 0°, 45°, or 90°,
wall gap 7 mm

AK ABL-V2A
1 kit = 4 pieces

793 004 01

10 / 1

Z-Wall profile



Zinc coated, length 2 m, with 8 cap-head screws and 8 captive push-fit nuts,
wall gap 70 mm

ZPR

070 800 01

1/1

KF 12 Hinged window IP 65



For fitting to housing cover, for maximum 12 modules at 17.5 mm, with transparent
hinged window, frame with sealing both sides, with drilling template and fixing screws,
outside dimensions: 228 x 80 x 23 mm

KF 12

567 412 01

15/1

SF 12 Inspection window IP 65



For fitting to housing cover, transparent viewing window, with drilling template and fixing
screws, outside dimensions: 228 x 80 x 12.5 mm

SF 12

568 012 01

10/1

PE/N 5-pole terminal



For fixing to 35 mm standard rail, e.g. in meter housings

KLS PE 35
PE terminal (green) 3 x 25 mm²; 2 x 16 mm²

790 805 01

1/1

KLS N 35
N terminal (blue) 3 x 25 mm²; 2 x 16 mm²

790 905 01

1/1

Screwless PE/N-terminal



For installation into AK/AKi distributors,
as additional terminals or for replacement

AK 14 PEN-SL, single-stage PE/N terminal with
each 3 screwable clamping points,
2.5 mm² - 16 mm²
14 screwless clamping points
1.5 mm² - 4 mm²

790 317 01

1/1

AK 28 PEN-SL, two-stage PE/N terminal with
each 6 screwable clamping points
2.5 mm² - 16 mm² and 21 screwless clamping points
1.5 mm² - 4 mm², incl. N cross connector

790 327 01

1/1

AK N-SL, screwless N terminal
with 4 screwable clamping points 2.5 mm² - 16 mm²
and 28 screwless clamping points 1.5 mm² - 4 mm².
The division into two 2 potentials after removing the cross
connector with each 3 screwable clamping points
2.5 mm² - 16 mm² and 14 screwless clamping points
1.5 mm² - 4 mm²

790 318 01

1/1

PE/N terminal



PE/N terminals for fitting into AK/AKi distribution boxes as additional
terminals or for replacement purposes

AK 03 PEN-S 2 x 4-pole 6/16 mm²

790 204 01

1/1

AK 05 PEN-S 2 x 5-pole 6/16 mm²

790 205 01

1/1

AK 09 PEN-S 2 x 7-pole 6/16 mm²

790 207 01

1/1

AK 12 PEN-S 2 x 12-pole 6/16 mm²

790 211 01

1/1

AK 14/28 PEN-S 2 x 17-pole 6/16/25 mm²

790 217 01

1/1

AK 42 PEN-S 2 x 25-pole 6/16/25 mm²

790 225 01

1/1

4-way neutral terminal



Auxiliary terminal for retro fitting to AK PE/N basic terminal from AK 14

AK N S47
4 x 7 pole, 6/16 mm²

790 047 01

1/1

1-way neutral terminal



Auxiliary terminal for retro fitting to AK PE/N basic terminal from AK 42

AK N S17
1 x 7-pole, 6/16 mm²

790 007 01

1/1