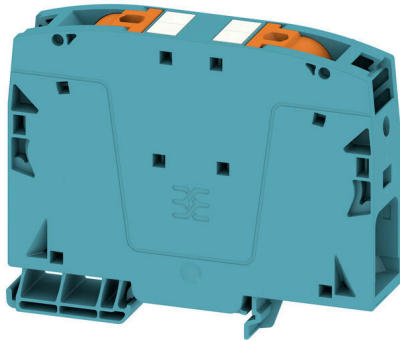


A2C 50/70 DL BL**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

General ordering data

| | |
|------------|--|
| Version | Feed-through terminal, PUSH IN, 50 mm ² , 1000 V, 150 A, blue |
| Order No. | 2755900000 |
| Type | A2C 50/70 DL BL |
| GTIN (EAN) | 4064675005209 |
| Qty. | 5 items |

A2C 50/70 DL BL

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 80.5 mm | Depth (inches) | 3.1693 inch |
| Height | 101.5 mm | Height (inches) | 3.9961 inch |
| Width | 20 mm | Width (inches) | 0.7874 inch |
| Net weight | 129.1 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -60 °C...85 °C |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|--------------------------------|--------|---------------------------|------|
| Basic material | Wemid | Colour | blue |
| Colour of operational elements | orange | UL 94 flammability rating | V-0 |

Rating data IECEX/ATEX

| | | | |
|--------------------------------|--------------------|---------------------------------|--------------------|
| Certificate No. (ATEX) | TUEV16ATEX7909U | Certificate No. (IECEX) | IECEXTUR16.0036U |
| Wire cross section max. (ATEX) | 70 mm ² | Wire cross section max. (IECEX) | 70 mm ² |

System specifications

| | | | |
|-----------------------------------|-----|-------------------------------------|-------|
| End cover plate required | No | Number of potentials | 1 |
| Number of levels | 1 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 35 |
| N-function | Yes | PE function | No |
| PEN function | No | | |

Additional technical data

| | | | |
|------------------|---------|--------------------------|-----|
| Open sides | closed | Snap-on | Yes |
| Type of fixing | Snap-on | Explosion-tested version | Yes |
| Type of mounting | Snap-on | | |

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

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Technical data

Conductors for clamping (rated connection)

| | | | |
|---|--------------------|---|--------------------|
| Wire connection cross section AWG, max. | AWG 2/0 | Connection direction | on side |
| Stripping length | 30 mm | Type of connection | PUSH IN |
| Number of connections | 2 | Clamping range, max. | 70 mm ² |
| Clamping range, min. | 10 mm ² | Blade size | 1.0 x 5.5 mm |
| Wire connection cross section AWG, min. | AWG 8 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 50 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 10 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 50 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 10 mm ² | Wire connection cross section, finely stranded, max. | 70 mm ² |
| Wire connection cross section, finely stranded, min. | 10 mm ² | Connection cross-section, stranded, max. | 70 mm ² |
| Connection cross-section, stranded, min. | 10 mm ² | Wire connection cross-section, solid core, max. | 16 mm ² |
| Wire connection cross-section, solid core, min. | 10 mm ² | Connection cross-section, finely stranded, min. | 10 mm ² |

General

| | | | |
|---|---------------|---|-------|
| Wire connection cross section AWG, max. | AWG 2/0 | Wire connection cross section AWG, min. | AWG 8 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 35 |

Rating data

| | | | |
|--|--------------------|---------------------------------|---------------|
| Rated cross-section | 50 mm ² | Rated voltage | 1000 V |
| Rated DC voltage | 1500 V | Nominal current | 150 A |
| Current at maximum wires | 150 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.21 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 4.80 W | Surge voltage category | III |
| Pollution severity | 3 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 | | |

Drawings



A2C 50/70 DL BL

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Accessories

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|-----------------------|
| Type | AEB 35 SCL/1 V0 | Version |
| Order No. | 2661280000 | A-series, End bracket |
| GTIN (EAN) | 4050118702163 | |
| Qty. | 20 ST | |
| Type | AEB 35 SCL/1 V0 BK | Version |
| Order No. | 2661300000 | A-series, End bracket |
| GTIN (EAN) | 4050118702187 | |
| Qty. | 20 ST | |
| Type | AEB 35 SCL/1 V0 GY | Version |
| Order No. | 2661290000 | A-series, End bracket |
| GTIN (EAN) | 4050118702170 | |
| Qty. | 20 ST | |

auxillary connection



The additional connection enables a separate voltage tap. This can be used, for example, for the emergency power supply before the main switch or simply as an additional connection within the application.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | AAC 50-185 2X10 | Version |
| Order No. | 2663420000 | Auxiliary connection (terminal), 10 mm ² , Number of connections: 2 |
| GTIN (EAN) | 4064675027966 | |
| Qty. | 5 ST | |
| Type | AAC 50-185 2X10 BK-YL | Version |
| Order No. | 2663450000 | Auxiliary connection (terminal), 10 mm ² , Number of connections: 2 |
| GTIN (EAN) | 4064675027997 | |
| Qty. | 5 ST | |
| Type | AAC 50-185 2X10 BL | Version |
| Order No. | 2663430000 | Auxiliary connection (terminal), 10 mm ² , Number of connections: 2 |
| GTIN (EAN) | 4064675027973 | |
| Qty. | 5 ST | |

A2C 50/70 DL BL

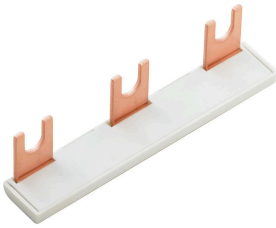
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Accessories

| | | | |
|------------|----------------------------|--|--|
| Type | AAC 50-185 2X10 GN-YL | Version | |
| Order No. | 2663440000 | Auxiliary connection (terminal), 10 mm ² , Number of connections: 2 | |
| GTIN (EAN) | 4064675027980 | | |
| Qty. | 5 ST | | |

Cross connector



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | ZQV 50/70N/2 | Version | |
| Order No. | 2663400000 | Cross-connector (terminal), Plugged, orange, 150 A, Number of poles: 2, Pitch in mm (P): 20.00, Insulated: Yes, Width: 38.13 mm | |
| GTIN (EAN) | 4064675266198 | | |
| Qty. | 10 ST | | |

Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | ATPG 1.5-10 L | Version | |
| Order No. | 1991890000 | Test adapter (terminal), 1.5 mm ² , 250 V, 0.2 A | |
| GTIN (EAN) | 4050118376647 | | |
| Qty. | 50 ST | | |

A2C 50/70 DL BL

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Accessories

Warning cover

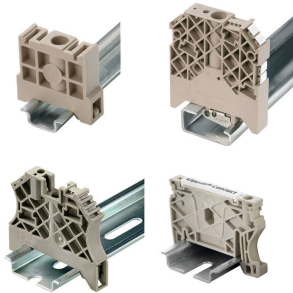


Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | AAM 35-185 YE FLASH | Version | |
| Order No. | 2635600000 | A-series, Terminal marker, 23.5 x 12 mm, Pitch in mm (P): 12.00 | |
| GTIN (EAN) | 4050118674545 | yellow | |
| Qty. | 40 ST | | |

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | | |
|------------|----------------------------|-----------------------|--|
| Type | AEB 35 SC/1 | Version | |
| Order No. | 1991920000 | A-series, End bracket | |
| GTIN (EAN) | 4050118376722 | | |
| Qty. | 50 ST | | |
| Type | AEB 35 SC/1 BK | Version | |
| Order No. | 2475310000 | A-series, End bracket | |
| GTIN (EAN) | 4050118487114 | | |
| Qty. | 50 ST | | |

Additional accessories



No task is too small when creating the perfect solution. Connections form just one part of the overall process. Small details are often the key to the perfect solution in applications where potentials are tested, grouped or even isolated.

A system is not a system without small but essential details:

- Test plugs ensure reliable pick-up from diagnostic sockets

In tandem with the manufacturing process and application.

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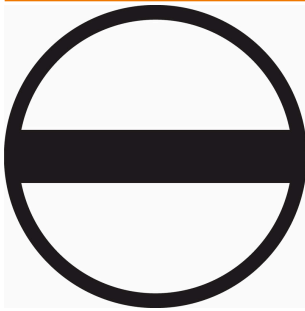
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Accessories

General ordering data

| | | | |
|------------|---------------------------|--|---|
| Type | PS 2.0 MC | Version | |
| Order No. | 031000000 | PCB plug-in connector, Accessories, Test plug, red, Number of poles: | |
| GTIN (EAN) | 4008190000059 | | 1 |
| Qty. | 20 ST | | |

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | SDS 1.0X5.5X150 | Version | |
| Order No. | 2749380000 | Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm | |
| GTIN (EAN) | 4050118895605 | | |
| Qty. | 1 ST | | |
| Type | SDS 1.0X5.5X150 | Version | |
| Order No. | 9008350000 | Screwdriver, Screwdriver | |
| GTIN (EAN) | 4032248056316 | | |
| Qty. | 1 ST | | |

Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | FZS 2/4 RT/80 SAKT4 | Version | |
| Order No. | 1276300000 | Plug (terminal), Plug-in connection, 2 mm ² , Number of connections: 2, Number of poles: 1, Width: 9 mm | |
| GTIN (EAN) | 4008190026080 | | |
| Qty. | 20 ST | | |