# A2C 50/70 3FT-FE

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 mm², 1000 V, 150 A, dark beige |
| Order No. | 2663310000 |
| Type | A2C 50/70 3FT-FE |
| GTIN (EAN) | 4050118896022 |
| Qty. | 1 items |

Creation date 03.12.2025 10:43:24 MEZ

## A2C 50/70 3FT-FE

## Technical data

### Approvals

| Approvals | |
|---|---|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

### Dimensions and weights

| Depth | 80.5 mm | Depth (inches) | 3.1693 inch |
|---|---|---|---|
| Height | 101.5 mm | Height (inches) | 3.9961 inch |
| Width | 80 mm | Width (inches) | 3.1496 inch |
| Net weight | 466 g | | |

### Temperatures

| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °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 | dark beige |
|---|---|---|---|
| Colour of operational elements | orange | UL 94 flammability rating | V-0 |

### System specifications

| End cover plate required | No | Number of potentials | 4 |
|---|---|---|---|
| Number of levels | 1 | Number of clamping points per level | 8 |
| Number of potentials per tier | 4 | Levels cross-connected internally | No |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

### Additional technical data

| Open sides | closed | Snap-on | Yes |
|---|---|---|---|
| Type of fixing | TS 35 | Explosion-tested version | Yes |
| Type of mounting | TS 35 | | |

### CSA rating data

| Voltage size C (CSA) | 1000 V | Current size C (CSA) | 175 A |
|---|---|---|---|
| Certificate No. (CSA) | 200039-80069332 | Voltage size B (CSA) | 1000 V |
| Current size B (CSA) | 175 A | Voltage size D (CSA) | 600 V |
| Current size D (CSA) | 5 A | Wire cross section min. (CSA) | 8 AWG |

### Conductors for clamping (additional connection)

| Connection type, additional connection | PUSH IN |
|---|---|

Creation date 03.12.2025 10:43:24 MEZ

# A2C 50/70 3FT-FE

## 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 | 8 | Clamping range, max. | 70 mm² |
| Clamping range, min. | 10 mm² | 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 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 10 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 50 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 10 mm² | Wire connection cross section, finely stranded, max. | 70 mm² |
| Wire connection cross section, finely stranded, min. | 10 mm² | Connection cross-section, stranded, max. | 70 mm² |
| Connection cross-section, stranded, min. | 10 mm² | Twin wire-end ferrules, max. | 10 mm² |
| Twin wire-end ferrules, min. | 4 mm² | Wire connection cross-section, solid core, max. | 16 mm² |
| Wire connection cross-section, solid core, min. | 10 mm² | | |

### 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 mm² | 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 | | |

### UL rating data

| | | | |
|---|---|---|---|
| Conductor size Factory wiring max. (cURus) | 00 AWG | Voltage size B (cURus) | 1000 V |
| Voltage size D (cURus) | 600 V | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) | 8 AWG | Conductor size Factory wiring min. (cURus) | 8 AWG |
| Current size B (cURus) | 175 A | Voltage size C (cURus) | 1000 V |
| Current size C (cURus) | 175 A | Current size D (cURus) | 5 A |
| Conductor size Field wiring max. (cURus) | 00 AWG | | |

### Important note

| | |
|---|---|
| Product information | The max. connectable wire reduces by one wire size if a cross connector is used that has to be mounted in the wire entry. |

## A2C 50/70 3FT-FE

## Technical data

### 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 | | |
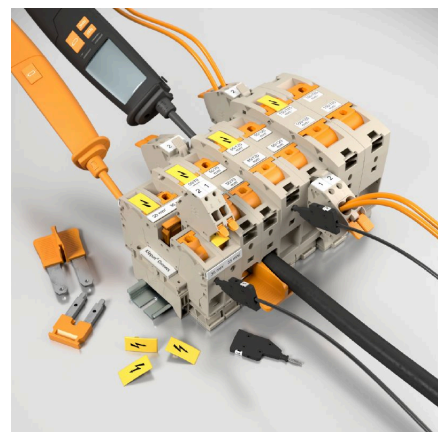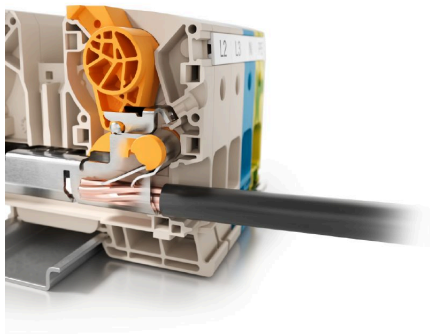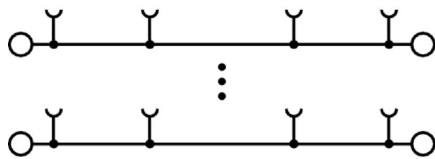
## A2C 50/70 3FT-FE

5

## Drawings

## Accessories

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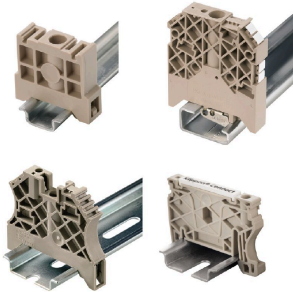
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

#### 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 | | |

### WS 8/16
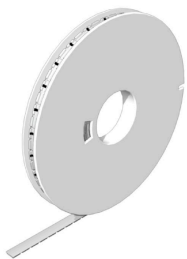
WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark
• Firm hold and durable printing
• Continuous strips save installation time
• Easy mounting thanks to an innovative composite material
• Large label field for optimal legibility
• High flexibility thanks to manufacturer independence

#### General ordering data

| Type | WS-A 8/16 MM WS | Version |
|---|---|---|
| Order No. | 2619910000 | WS, Terminal marker, 8 x 16 mm, Weidmueller, white |
| GTIN (EAN) | 4050118626179 | |
| Qty. | 200 ST | |

Creation date 03.12.2025 10:43:24 MEZ

## Accessories

### auxillery 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 mm², 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 mm², Number of connections: 2 |
| GTIN (EAN) | 4064675027997 | |
| Qty. | 5 ST | |
| Type | AAC 50-185 2X10 BL | Version |
| Order No. | 2663430000 | Auxiliary connection (terminal), 10 mm², Number of connections: 2 |
| GTIN (EAN) | 4064675027973 | |
| Qty. | 5 ST | |
| Type | AAC 50-185 2X10 GN-YL | Version |
| Order No. | 2663440000 | Auxiliary connection (terminal), 10 mm², Number of connections: 2 |
| GTIN (EAN) | 4064675027980 | |
| Qty. | 5 ST | |

### Cross connector
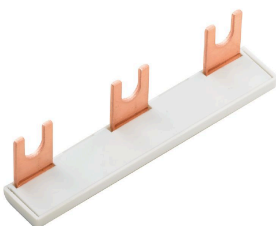
The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable 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: |
| GTIN (EAN) | 4064675266198 | 2, Pitch in mm (P): 20.00, Insulated: Yes, Width: 38.13 mm |
| Qty. | 10 ST | |

## A2C 50/70 3FT-FE

## Accessories

### 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 mm², 250 V, 0.2 A | |
| GTIN (EAN) | 4050118376647 | | |
| Qty. | 50 ST | | |

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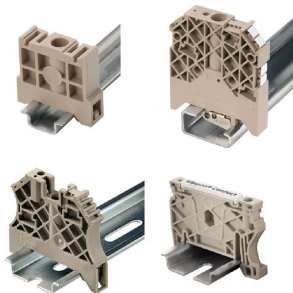
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

#### General ordering data

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

Creation date 03.12.2025 10:43:24 MEZ

## A2C 50/70 3FT-FE

## Accessories

| 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.

### General ordering data

| Type | PS 2.0 MC | Version | |
|---|---|---|---|
| Order No. | 0310000000 | PCB plug-in connector, Accessories, Test plug, red, Number of poles: | |
| GTIN (EAN) | 4008190000059 | 1 | |
| Qty. | 20 ST | | |

## Slotted screwdriver
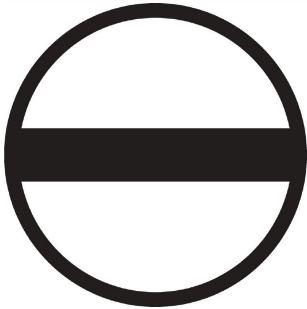


Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

### General ordering data

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