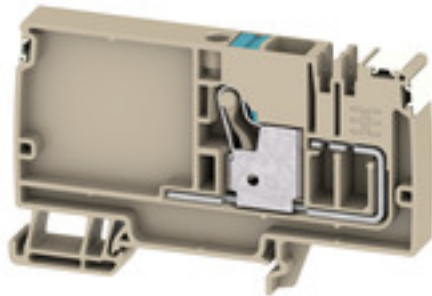


AAP12 10 LO DL BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Control voltage distribution**

Our tailored AAP potential distribution terminal blocks are ideal for surge current protection and central control voltage distribution. Meanwhile, our new maxGUARD range enables potential distribution with integrated electronic load monitoring in the smallest of installation spaces.

General ordering data

| | |
|------------|--|
| Version | Supply terminal, PUSH IN, 10 mm ² , 800 V, 57 A, dark beige |
| Order No. | 2675440000 |
| Type | AAP12 10 LO DL BL |
| GTIN (EAN) | 4050118733648 |
| Qty. | 20 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 53.5 mm | Depth (inches) | 2.106 inch |
| Depth including DIN rail | 54 mm | Height | 89 mm |
| Height (inches) | 3.504 inch | Width | 10 mm |
| Width (inches) | 0.394 inch | Net weight | 27.1 g |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|--------------------|---------------------------------|--------------------|
| Certificate No. (ATEX) | TUEV17ATEX8030U | Certificate No. (IECEX) | IECEXTUR17.0015U |
| Max. voltage (ATEX) | 690 V | Current (ATEX) | 45 A |
| Wire cross section max. (ATEX) | 10 mm ² | Max. voltage (IECEX) | 690 V |
| Current (IECEX) | 45 A | Wire cross section max. (IECEX) | 10 mm ² |
| Marking EN 60079-7 | Ex ec II C Gc | Ex 2014/34/EU label | II 2 G D |

System specifications

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

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

| | |
|--|---------------------|
| Blade size | 1.0 x 5.5 mm |
| Clamping range, max. | 10 mm ² |
| Clamping range, min. | 0.5 mm ² |
| Connection cross-section, stranded, max. | 10 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Gauge to IEC 60947-1 | A6 |
| Number of connections | 1 |
| Stripping length | 18 mm |

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Technical data

| | | | |
|---|--|---------|----------------------|
| Tube length for twin wire-end ferrule | Tube length | nominal | 18 mm |
| | Cross-section for conductor connection | min. | 0.75 mm ² |
| | | max. | 1 mm ² |
| | Tube length | max. | 18 mm |
| | | min. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| | | max. | 4 mm ² |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | min. | 18 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| | | max. | 4 mm ² |
| | Tube length | max. | 18 mm |
| | | min. | 12 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| | | max. | 10 mm ² |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Tube length | nominal | 18 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| | | max. | 10 mm ² |
| Twin wire-end ferrules, max. | 4 mm ² | | |
| Twin wire-end ferrules, min. | 0.5 mm ² | | |
| Type of connection | PUSH IN | | |
| Wire connection cross section AWG, max. | AWG 6 | | |
| Wire connection cross section AWG, min. | AWG 20 | | |
| Wire connection cross section, finely stranded, max. | 10 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 10 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | | |
| Wire connection cross-section, solid core, max. | 10 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

| | | | |
|---|----------------------------------|---|-------|
| Number of poles | 1 | Rail | TS 35 |
| Standards | In accordance with IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 6 |
| Wire connection cross section AWG, min. | AWG 20 | | |

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Technical data

Rating data

| | | | |
|---------------------------------|----------------------------------|--|---------|
| Rated cross-section | 10 mm ² | Rated voltage | 800 V |
| Rated AC voltage | 800 V | Rated DC voltage | 800 V |
| Rated current | 57 A | Current at maximum wires | 57 A |
| Standards | In accordance with IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 0.56 mΩ |
| Rated impulse withstand voltage | 8 kV | Power loss in accordance with IEC 60947-7-x | 1.82 W |
| Pollution severity | 3 | Surge voltage category | III |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ECLASS 9.0 | 27-14-11-20 | ECLASS 9.1 | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-19 |

Environmental Product Compliance

REACH SVHC

/

Approvals

Approvals



ROHS

Conform

Downloads

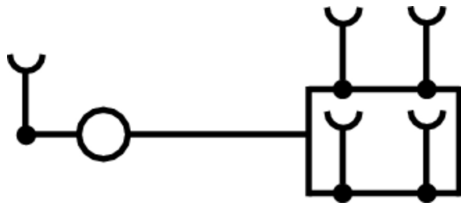
| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity 20-AV4BO-0271U CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| User Documentation | AAP Terminal Blocks for control voltage distribution |
| Catalogues | Catalogues in PDF-format |

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Drawings



AAP12 10 LO DL BL**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Accessories****A-Series**A
Series

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

AAP12 10 LO DL BL**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Accessories****WS 8/10****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 8/10 MM WS | Version |
| Order No. | 2619890000 | WS, Terminal marker, 8 x 10 mm, Weidmueller, white |
| GTIN (EAN) | 4050118626193 | |
| Qty. | 350 pc(s). | |

A-Series

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 10 YE FLASH | Version |
| Order No. | 2635580000 | Terminal marker, 14 x 10 mm, yellow |
| GTIN (EAN) | 4050118674521 | |
| Qty. | 40 pc(s). | |