

A2C 35 BL DM**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

| | |
|------------|--|
| Version | Feed-through terminal, PUSH IN, 35 mm ² , 1000 V, 125 A, blue |
| Order No. | 2552150000 |
| Type | A2C 35 BL DM |
| GTIN (EAN) | 4050118628173 |
| Qty. | 10 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|----------------|-----------|-----------------|------------|
| Depth | 71.5 mm | Depth (inches) | 2.815 inch |
| Height | 135 mm | Height (inches) | 5.315 inch |
| Net weight | 85.232 g | Width | 16 mm |
| Width (inches) | 0.63 inch | | |

Temperatures

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

Material data

| | | | |
|--------------------------------|--------|---------------------------|------|
| 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 |
| Max. voltage (ATEX) | 880 V | Current (ATEX) | 105 A |
| Wire cross section max. (ATEX) | 35 mm ² | Max. voltage (IECEX) | 880 V |
| Current (IECEX) | 105 A | Wire cross section max. (IECEX) | 35 mm ² |

System specifications

| | | | |
|-------------------------------------|----|------------------|----------------|
| End cover plate required | No | Number of levels | 1 |
| Number of clamping points per level | 2 | Rail | Mounting plate |

Additional technical data

| | | | |
|------------------|-----------------|---------|----|
| Open sides | closed | Snap-on | No |
| Type of mounting | Direct mounting | | |

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|--------------------|
| Blade size | 1.0 x 5.5 mm | Clamping range, max. | 35 mm ² |
| Clamping range, min. | 2.5 mm ² | Connection cross-section, stranded, max. | 35 mm ² |
| Connection cross-section, stranded, min. | 10 mm ² | Number of connections | 2 |
| Stripping length | 25 mm | Twin wire-end ferrules, max. | 10 mm ² |
| Twin wire-end ferrules, min. | 2.5 mm ² | Type of connection | PUSH IN |
| Wire connection cross section AWG, max. | AWG 2 | Wire connection cross section AWG, min. | AWG 12 |
| Wire connection cross section, finely stranded, max. | 35 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 35 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 35 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 2.5 mm ² | Wire connection cross-section, solid core, max. | 16 mm ² |
| Wire connection cross-section, solid core, min. | 2.5 mm ² | | |

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Technical data

General

| | | | |
|---|---------------|---|----------------|
| Number of poles | 1 | Operating temperature range, max. | 130 °C |
| Operating temperature range, min. | -50 °C | Rail | Mounting plate |
| Standards | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 2 |
| Wire connection cross section AWG, min. | AWG 12 | | |

Rating data

| | | | |
|---------------------------------|--------------------|--|------------|
| Rated cross-section | 35 mm ² | Rated voltage | 1,000 V |
| Rated AC voltage | 1,000 V | Rated DC voltage | 1,500 V DC |
| Rated current | 125 A | Current at maximum wires | 125 A |
| Standards | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 0.26 mΩ |
| Rated impulse withstand voltage | 8 kV | Power loss in accordance with IEC 60947-7-x | 4 W |
| Pollution severity | 3 | Surge voltage category | III |

UL rating data

| | | | |
|--|--------|--|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 2 AWG |
| Conductor size Factory wiring min. (cURus) | 12 AWG | Conductor size Field wiring max. (cURus) | 2 AWG |
| Conductor size Field wiring min. (cURus) | 12 AWG | Current size B (cURus) | 113 A |
| Current size C (cURus) | 113 A | Current size D (cURus) | 5 A |
| Voltage size B (cURus) | 1000 V | Voltage size C (cURus) | 1000 V |
| Voltage size D (cURus) | 600 V | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | 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 |

Approvals

Approvals



UL File Number Search E60693

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Atestation of Conformity IECEX Certificate ATEX Certificate CCC Ex Certificate EU Declaration of Conformity |
| Engineering Data | STEP |
| Engineering Data | EPLAN |
| User Documentation | A2C35 DM drilling template StorageConditionsTerminalBlocks NTI A2C 35 |
| Brochure/Catalogue | Catalogues in PDF-format |

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Data sheet

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Drawings

Electric symbol

