

**A-series
A2C 35 DM**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image**Spring connection with PUSH IN Technology**

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

General ordering data

| | |
|------------|---|
| Type | A2C 35 DM |
| Order No. | 2551550000 |
| Version | PUSH IN, 35 mm ² , 1000 V, 125 A, dark beige |
| GTIN (EAN) | 4050118628180 |
| Qty. | 10 pc(s). |

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Technical data
Dimensions and weights

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

Temperatures

| | | | |
|-----------------------------------|---------------|-----------------------------------|--------|
| Operating temperature range, max. | 130 °C | Operating temperature range, min. | -50 °C |
| Storage temperature, max. | 40 °C | Storage temperature, min. | 10 °C |
| Storage temperature | 10 °C...40 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C | | |

Material data

| | | | |
|--------------------------------|--------|---------------------------|------------|
| Material | Wemid | Colour | dark beige |
| Colour of operational elements | orange | UL 94 flammability rating | V-0 |

Additional technical data

| | | | |
|---------|----|------------------|-----------------|
| Snap-on | No | Type of mounting | Direct mounting |
|---------|----|------------------|-----------------|

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|---------------------|
| Clamping range, max. | 35 mm ² | Clamping range, min. | 2.5 mm ² |
| Number of connections | 2 | Stripping length | 18 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, finely stranded, min. | 10 mm ² | Wire connection cross-section, solid core, max. | 35 mm ² |
| Wire connection cross-section, solid core, min. | 2.5 mm ² | | |

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 |
| Rated current | 125 A | Current at maximum wires | 125 A |
| Volume resistance according to IEC 60947-7-x | 0.26 mΩ | Power loss in accordance with IEC 60947-7-x | 4 W |
| Rated impulse withstand voltage | 8 kV | Pollution severity | 3 |
| Surge voltage category | III | | |

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Technical data

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 | | |

Approvals

Approvals



Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Declaration of Conformity |
| Engineering Data | STEP |
| User Documentation | A2C35 DM drilling template StorageConditionsTerminalBlocks |

Data sheet

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Drawings

Electric symbol

