

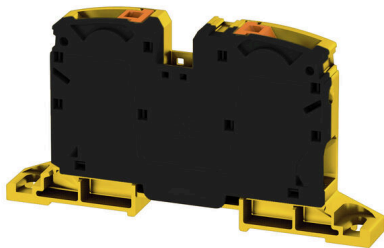
**A2C 35 FE DM****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

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, 35 mm <sup>2</sup> , 1000 V, 125 A, black/yellow |
| Order No.  | <a href="#">2552160000</a>   |
| Type       | A2C 35 FE DM   |
| GTIN (EAN) | 4050118676952  |
| Qty.       | 10 items   |

## A2C 35 FE DM

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E60693                     |

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 71.5 mm | Depth (inches)  | 2.815 inch  |
| Height     | 135 mm  | Height (inches) | 5.3149 inch |
| Width      | 16 mm   | Width (inches)  | 0.6299 inch |
| Net weight | 85.23 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                    | black/yellow |
| 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 <sup>2</sup> | Max. voltage (IECEX)            | 880 V              |
| Current (IECEX)                | 105 A              | Wire cross section max. (IECEX) | 35 mm <sup>2</sup> |

## 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             | PE connection                       | No |
| Mounting rail                     | Mounting plate | N-function                          | No |
| PE function                       | No             | PEN function                        | No |

## Additional technical data

|                  |                 |                          |     |
|------------------|-----------------|--------------------------|-----|
| Open sides       | closed          | Snap-on                  | No  |
| Type of fixing   | when screwed in | Explosion-tested version | Yes |
| Type of mounting | Direct mounting |                          |     |

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## CSA rating data

|                               |        |                       |                 |
|-------------------------------|--------|-----------------------|-----------------|
| Wire cross section max. (CSA) | 2 AWG  | Certificate No. (CSA) | 200039-70089609 |
| Wire cross section min. (CSA) | 12 AWG |                       |                 |

## Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

## Conductors for clamping (rated connection)

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

## General

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

## Rating data

|                                 |                    |  |         |
|---------------------------------|--------------------|--|---------|
| Rated cross-section             | 35 mm <sup>2</sup> | Rated voltage                                | 1000 V  |
| Rated AC voltage                | 1000 V             | Rated DC voltage                             | 1500 V  |
| Nominal 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  | 4.00 W  |
| Surge voltage category          | III                | Pollution severity                           | 3       |

## UL rating data

|  |       |                         |        |
|--|-------|-------------------------|--------|
| Conductor size Factory wiring max. (cURus) | 2 AWG | Voltage size B (cURus)  | 1000 V |
| Voltage size D (cURus)                     | 600 V | Certificate No. (cURus) | E60693 |

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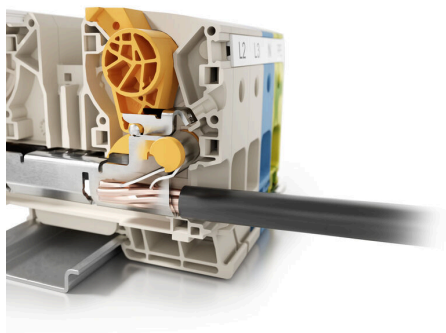
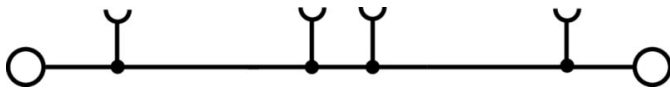
|  |        |  |        |
|--|--------|--|--------|
| Conductor size Field wiring min. (cURus) | 12 AWG | Conductor size Factory wiring min. (cURus) | 12 AWG |
| Voltage size C (cURus)                   | 1000 V | Conductor size Field wiring max. (cURus)   | 2 AWG  |

### 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

Electric symbol



Drawings

