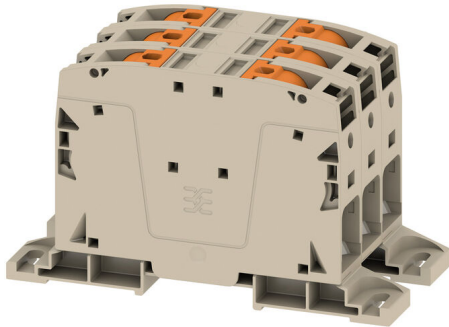


**A2C 50/70 3FT-DM****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

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 mm <sup>2</sup> , 1000 V, 150 A, dark beige |
| Order No.  | <a href="#">2663390000</a>                                                     |
| Type       | A2C 50/70 3FT-DM                                                               |
| GTIN (EAN) | 4050118895797                                                                  |
| Qty.       | 1 items                                                                        |

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**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     | 134 mm  | Height (inches) | 5.2756 inch |
| Width      | 60 mm   | Width (inches)  | 2.3622 inch |
| Net weight | 360 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                | 3  |
| Number of levels              | 1                     | Number of clamping points per level | 6  |
| Number of potentials per tier | 3                     | Levels cross-connected internally   | No |
| Mounting rail                 | TS 35, Mounting plate | 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 | Direct mounting |                          |     |

**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

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## 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                                                                   | 6                  | Clamping range, max.                                                                    | 70 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 10 mm <sup>2</sup> | 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 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 10 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 50 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 10 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 70 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min.                                    | 10 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 70 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                                                | 10 mm <sup>2</sup> | Twin wire-end ferrules, max.                                                            | 10 mm <sup>2</sup> |
| Twin wire-end ferrules, min.                                                            | 4 mm <sup>2</sup>  | Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.                                         | 10 mm <sup>2</sup> | Connection cross-section, finely stranded, min.                                         | 10 mm <sup>2</sup> |

## 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, Mounting plate |

## Rating data

|                                              |                    |                                 |               |
|----------------------------------------------|--------------------|---------------------------------|---------------|
| Rated cross-section                          | 50 mm <sup>2</sup> | 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. |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|

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## 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 |             |             |

## Drawings

