

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 <sup>2</sup> , 1000 V, 125 A, dark beige |
| Order No.  | <a href="#">2551510000</a>                                                     |
| Type       | A2C 35                                                                         |
| GTIN (EAN) | 4050118628012                                                                  |
| Qty.       | 10 pc(s).                                                                      |

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**Technical data****Dimensions and weights**

|                |           |                 |            |
|----------------|-----------|-----------------|------------|
| Depth          | 71.5 mm   | Depth (inches)  | 2.815 inch |
| Height         | 101.5 mm  | Height (inches) | 3.996 inch |
| Net weight     | 79.726 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                    | dark beige |
| 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 levels | 1     |
| Number of clamping points per level | 2  | Rail             | TS 35 |

**Additional technical data**

|                |        |                  |       |
|----------------|--------|------------------|-------|
| Open sides     | closed | Snap-on          | Yes   |
| Type of fixing | TS 35  | Type of mounting | TS 35 |

**Conductors for clamping (rated connection)**

|                                                                                         |                     |                                                                                         |                    |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|--------------------|
| Blade size                                                                              | 1.0 x 5.5 mm        | Clamping range, max.                                                                    | 35 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 2.5 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 35 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                                                | 10 mm <sup>2</sup>  | Number of connections                                                                   | 2                  |
| Stripping length                                                                        | 25 mm               | Twin wire-end ferrules, max.                                                            | 10 mm <sup>2</sup> |
| Twin wire-end ferrules, min.                                                            | 2.5 mm <sup>2</sup> | 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 <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 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, solid core, max.                                         | 16 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.                                         | 2.5 mm <sup>2</sup> |                                                                                         |                    |

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## Technical data

## General

|                                         |               |                                         |        |
|-----------------------------------------|---------------|-----------------------------------------|--------|
| Number of poles                         | 1             | Operating temperature range, max.       | 130 °C |
| Operating temperature range, min.       | -50 °C        | Rail                                    | TS 35  |
| 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 <sup>2</sup> | 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 | <a href="#">Atestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                    |
| Engineering Data                            | <a href="#">EPLAN</a>                                                                                                                                                                                   |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTIA2C 35</a>                                                                                                                            |
| Brochure/Catalogue                          | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                |

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## Drawings

### Electric symbol

