

**AFS 4 2C 10-36V BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

**General ordering data**

|            |                                                                |
|------------|----------------------------------------------------------------|
| Version    | Fuse terminal, PUSH IN, 4 mm <sup>2</sup> , 36 V, 6.3 A, black |
| Order No.  | <a href="#">2429870000</a>                                     |
| Type       | AFS 4 2C 10-36V BK                                             |
| GTIN (EAN) | 4050118439588                                                  |
| Qty.       | 50 pc(s).                                                      |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 68 mm      | Depth (inches) | 2.677 inch |
| Depth including DIN rail | 69 mm      | Height         | 74 mm      |
| Height (inches)          | 2.913 inch | Width          | 6.1 mm     |
| Width (inches)           | 0.24 inch  | Net weight     | 17.751 g   |

## Temperatures

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

## Material data

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Material                  | Wemid | Colour | black |
| UL 94 flammability rating | V-0   |        |       |

## Rating data IECEx/ATEX

|                        |                 |                                 |                   |
|------------------------|-----------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | TUEV17ATEX8064U | Certificate No. (IECEX)         | IECEXTUR17.0030U  |
| Current (ATEX)         | 6.3 A           | Wire cross section max. (ATEX)  | 4 mm <sup>2</sup> |
| Current (IECEX)        | 6.3 A           | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| Marking EN 60079-7     | Ex ec II C Gc   | Ex 2014/34/EU label             | II 3 G D          |

## System specifications

|                               |       |                                     |    |
|-------------------------------|-------|-------------------------------------|----|
| End cover plate required      | Yes   | Number of potentials                | 1  |
| Number of levels              | 1     | Number of clamping points per level | 2  |
| Number of potentials per tier | 1     | PE connection                       | No |
| Rail                          | TS 35 | N-function                          | No |
| PE function                   | No    | PEN function                        | No |

## Additional technical data

|                     |       |                   |         |
|---------------------|-------|-------------------|---------|
| Installation advice | Rail  | Open sides        | right   |
| Snap-on             | No    | Type of fixing    | Snap-on |
| Type of mounting    | TS 35 | With snap-in pegs | No      |

## CSA rating data

|                               |                 |                               |        |
|-------------------------------|-----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-70089609 | Current size B (CSA)          | 10 A   |
| Current size C (CSA)          | 10 A            | Current size D (CSA)          | 10 A   |
| Voltage size B (CSA)          | 300 V           | Voltage size C (CSA)          | 150 V  |
| Voltage size D (CSA)          | 300 V           | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG          |                               |        |

## Conductors for clamping (rated connection)

|                                          |                      |
|------------------------------------------|----------------------|
| Blade size                               | 0.6 x 3.5 mm         |
| Clamping range, max.                     | 4 mm <sup>2</sup>    |
| Clamping range, min.                     | 0.14 mm <sup>2</sup> |
| Connection cross-section, stranded, max. | 4 mm <sup>2</sup>    |
| Connection cross-section, stranded, min. | 0.5 mm <sup>2</sup>  |
| Connection direction                     | top                  |
| Gauge to IEC 60947-1                     | A4                   |
| Number of connections                    | 2                    |

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## Technical data

|                                                                                         |                                        |         |                     |
|-----------------------------------------------------------------------------------------|----------------------------------------|---------|---------------------|
| Stripping length                                                                        | 12 mm                                  |         |                     |
| Tube length for twin wire-end ferrule                                                   | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 1.5 mm <sup>2</sup> |
|                                                                                         | Tube length                            | min.    | 8 mm                |
|                                                                                         |                                        | max.    | 12 mm               |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4                        | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 1 mm <sup>2</sup>   |
|                                                                                         | Tube length                            | min.    | 6 mm                |
|                                                                                         |                                        | max.    | 12 mm               |
|                                                                                         | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 2.5 mm <sup>2</sup> |
|                                                                                         | Tube length                            | min.    | 8 mm                |
|                                                                                         |                                        | max.    | 12 mm               |
|                                                                                         | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>   |
|                                                                                         |                                        | min.    | 10 mm               |
|                                                                                         |                                        | max.    | 12 mm               |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1                     | Tube length                            | min.    | 6 mm                |
|                                                                                         |                                        | max.    | 10 mm               |
|                                                                                         | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 1 mm <sup>2</sup>   |
|                                                                                         | Tube length                            | min.    | 7 mm                |
|                                                                                         |                                        | max.    | 12 mm               |
|                                                                                         | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 2.5 mm <sup>2</sup> |
|                                                                                         | Tube length                            | min.    | 9 mm                |
|                                                                                         |                                        | max.    | 15 mm               |
|                                                                                         | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>   |
| Twin wire-end ferrules, max.                                                            | 1.5 mm <sup>2</sup>                    |         |                     |
| Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>                    |         |                     |
| Type of connection                                                                      | PUSH IN                                |         |                     |
| Wire connection cross section AWG, max.                                                 | AWG 12                                 |         |                     |
| Wire connection cross section AWG, min.                                                 | AWG 26                                 |         |                     |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>                      |         |                     |
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>                    |         |                     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm <sup>2</sup>                      |         |                     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>                    |         |                     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm <sup>2</sup>                      |         |                     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>                    |         |                     |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>                      |         |                     |
| Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>                    |         |                     |

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## Fuse terminals

|                                                                                  |                         |                                                                                    |                         |
|----------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------|-------------------------|
| Cartridge fuse                                                                   | G-Si. 5 x 20            | Display                                                                            | Red LED                 |
| Leakage current, max.                                                            | 0.5 mA                  | Operating voltage, max.                                                            | 36 V                    |
| Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 34°C   | Power loss for overload and short-circuit protection for an individual arrangement | 1,6 W bei 6,3 A @ 31 °C |
| Power loss for short-circuit protection only for a composite arrangement         | 2,5 W bei 6,3 A @ 32 °C | Power loss for short-circuit protection only for an individual arrangement         | 4,0 W bei 6,3 A @ 41 °C |

## General

|                                         |                  |                                         |        |
|-----------------------------------------|------------------|-----------------------------------------|--------|
| Installation advice                     | Rail             | Rail                                    | TS 35  |
| Standards                               | DIN EN 60947-7-3 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26           |                                         |        |

## Rating data

|                                              |                   |                                 |                  |
|----------------------------------------------|-------------------|---------------------------------|------------------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                   | 36 V             |
| Rated voltage to adjoining terminal          | 500 V             | Rated current                   | 6.3 A            |
| Current at maximum wires                     | 6.3 A             | Standards                       | DIN EN 60947-7-3 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ              | Rated impulse withstand voltage | 4 kV             |
| Power loss in accordance with IEC 60947-7-x  | 1.02 W            | Pollution severity              | 3                |
| Surge voltage category                       | III               |                                 |                  |

## UL rating data

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 10 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 10 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size B (cURus)                     | 10 A   |
| Current size C (cURus)                     | 10 A   | Current size D (cURus)                     | 10 A   |
| Voltage size B (cURus)                     | 300 V  | Voltage size C (cURus)                     | 150 V  |
| Voltage size D (cURus)                     | 300 V  |                                            |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0    | EC000899    |
| ETIM 8.0    | EC000899    | ECLASS 9.0  | 27-14-11-16 |
| ECLASS 9.1  | 27-14-11-16 | ECLASS 10.0 | 27-14-11-16 |
| ECLASS 11.0 | 27-14-11-16 | ECLASS 12.0 | 27-14-11-16 |

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## Technical data

## Approvals

Approvals



|                           |            |
|---------------------------|------------|
| ROHS                      | Conform    |
| UL File Number Search     | UL Website |
| Certificate No. (cURus)   | E60693     |
| Certificate No. (cURusEX) | E184763    |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX_TUR_17.0030U.pdf</a><br><a href="#">ATEX Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">MARITREG certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">CB Testreport</a><br><a href="#">CB Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA Declaration of Conformity</a><br><a href="#">UKCA Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Engineering Data                            | <a href="#">EPLAN</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tender specification                        | <a href="#">Klippon® Connect 2429870000 DE</a><br><a href="#">Klippon® Connect 2429870000 EN</a>                                                                                                                                                                                                                                                                                                                                                                                                     |
| User Documentation                          | <a href="#">NTI_AFS 4 2C BK.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">BPZL AFS</a>                                                                                                                                                                                                                                                                                                                                                                                   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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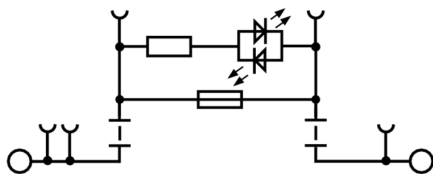
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