

**A-series**  
**AFS 4 2C 10-36V BK****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**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       | AFS 4 2C 10-36V BK   |
| Order No.  | <a href="#">2429870000</a>                                     |
| Version    | Fuse terminal, PUSH IN, 4 mm <sup>2</sup> , 36 V, 6.3 A, Black |
| GTIN (EAN) | 4050118439588  |
| Qty.       | 50 pc(s).  |

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

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

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |
|----------------------------------|--------|----------------------------------|--------|

**Material data**

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

**System specifications**

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

**Additional technical data**

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

**Conductors for clamping (rated connection)**

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Blade size  | 0.6 x 3.5 mm        | Clamping range, max.  | 4 mm <sup>2</sup>   |
| Clamping range, min.  | 0.5 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                   |
| Stripping length  | 12 mm               | 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 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, finely stranded, 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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**Technical data****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 |

**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 |
| 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    | eClass 6.2 | 27-14-11-26 |
| eClass 9.1 | 27-14-11-16 |            |             |

**Approvals**

Approvals



ROHS Conform

**Downloads**

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">CFAT_AFS_4_2C.pdf</a><br><a href="#">IECEX_TUR_17.0030U.pdf</a><br><a href="#">TUV_17_ATEX_8064_U.pdf</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">EPLAN</a>  |
| Engineering Data                            | <a href="#">STEP</a>   |
| User Documentation                          | <a href="#">NTI_AFS_4_2C_BK.pdf</a>  |

**Data sheet**

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**Drawings**

