

**A-series**  
**AFS 4 2C 60-150V BK****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Product image****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 60-150V BK   |
| Order No.  | <a href="#">2434380000</a>                                      |
| Version    | Fuse terminal, PUSH IN, 4 mm <sup>2</sup> , 150 V, 6.3 A, black |
| GTIN (EAN) | 4050118445107   |
| 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**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature, max.        | 55 °C          | Storage temperature, min.        | -25 °C |
| 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          |                               |        |

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**Technical data**
**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                   |
| 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> |

**Fuse terminals**

|  |                         |  |                         |
|--|-------------------------|--|-------------------------|
| Cartridge fuse   | G-Si. 5 x 20            | Display  | Red LED                 |
| Leakage current, max.  | 0.5 mA                  | Operating voltage, max.  | 150 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                               | 150 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              | Power loss in accordance with IEC 60947-7-x | 1.02 W           |
| Rated impulse withstand voltage              | 4 kV              | 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    |
| eClass 9.0  | 27-14-11-16 | eClass 9.1 | 27-14-11-16 |
| eClass 10.0 | 27-14-11-16 |            |             |

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**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="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">EPLAN</a>  |
| Engineering Data                            | <a href="#">STEP</a>   |
| Tender specification                        | <a href="#">Klippon® Connect 2434380000 EN</a><br><a href="#">Klippon® Connect 2434380000 DE</a>   |
| User Documentation                          | <a href="#">NTI_AFS 4 2C BK.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>   |

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**Drawings**

