

**AFS 4 2C 60-150V BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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> , 150 V, 6.3 A, black |
| Order No.  | <a href="#">2434380000</a>                                      |
| Type       | AFS 4 2C 60-150V BK   |
| GTIN (EAN) | 4050118445107   |
| 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 (additional connection)

Connection type, additional connection PUSH IN

### Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Blade size                               | 0.6 x 3.5 mm         |
| Clamping range, max.                     | 6 mm <sup>2</sup>    |
| Clamping range, min.                     | 0.14 mm <sup>2</sup> |
| Connection cross-section, stranded, max. | 6 mm <sup>2</sup>    |

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## Technical data

|   |  |         |                     |
|---|--|---------|---------------------|
| 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                                  |         |                     |
| 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               |
|   | Tube length                            | min.    | 10 mm               |
|   |  | max.    | 12 mm               |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1                     | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|   |  | max.    | 1 mm <sup>2</sup>   |
|   | Tube length                            | min.    | 6 mm                |
|   |  | max.    | 10 mm               |
|   | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup> |
|   |  | max.    | 2.5 mm <sup>2</sup> |
|   | Tube length                            | min.    | 7 mm                |
|   |  | max.    | 12 mm               |
|   | Cross-section for conductor connection | min.    | 4 mm <sup>2</sup>   |
|   |  | max.    | 6 mm <sup>2</sup>   |
|   | Tube length                            | min.    | 9 mm                |
|   |  | max.    | 15 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                                |         |                     |
| Type of connection 2  | 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.                                    | 6 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. | 6 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>                      |         |                     |

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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 |
| Type of voltage for indicator  | AC/DC                   |  |                         |

## 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                                | 150 V  |
| Rated voltage to adjoining terminal | 500 V             | Rated DC voltage                             | 150 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    | ETIM 9.0    | 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 | ECLASS 13.0 | 27-25-01-13 |
| ECLASS 14.0 | 27-25-01-13 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

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**Drawings**

