

**SFS 4 2C BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

**General ordering data**

|            |   |
|------------|---|
| Version    | Fuse terminal, SNAP IN, black, 4 mm <sup>2</sup> , 6.3 A, 250 V, Number of connections: 2, Number of levels: 1, TS 35 |
| Order No.  | <a href="#">2941480000</a>  |
| Type       | SFS 4 2C BK   |
| GTIN (EAN) | 40999867 10948  |
| Qty.       | 50 items  |

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## Technical data

### Approvals

Approvals



UL File Number Search [UL Website](#)  
 Certificate No. (cURus) E60693

### Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 79.1 mm | Depth (inches)  | 3.1142 inch |
| Height     | 67.7 mm | Height (inches) | 2.6653 inch |
| Width      | 6.1 mm  | Width (inches)  | 0.2402 inch |
| Net weight | 20.11 g |                 |             |

### Temperatures

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

### Environmental Product Compliance

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

### Material data

|                           |       |                                |       |
|---------------------------|-------|--------------------------------|-------|
| Basic material            | Wemid | Insulating material            | Wemid |
| Colour                    | black | Colour of operational elements | green |
| UL 94 flammability rating | V-0   |                                |       |

### Rating data IECEx/ATEX

|                                |                   |                                 |                   |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | TUEV24ATEX9191U   | Certificate No. (IECEX)         | IECEXTUR24.0071U  |
| Max. voltage (ATEX)            | 440 V             | Current (ATEX)                  | 6.3 A             |
| Wire cross section max. (ATEX) | 6 mm <sup>2</sup> | Max. voltage (IECEX)            | 440 V             |
| Current (IECEX)                | 6.3 A             | Wire cross section max. (IECEX) | 6 mm <sup>2</sup> |

### 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   | Levels cross-connected internally   | No    |
| PE connection                 | No  | Mounting rail                       | TS 35 |
| N-function                    | No  | PE function                         | No    |
| PEN function                  | No  |                                     |       |

### Additional technical data

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

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## Conductors for clamping (additional connection)

Connection type, additional connection SNAP IN

## Conductors for clamping (rated connection)

|   |                      |   |                      |
|---|----------------------|---|----------------------|
| Gauge to IEC 60947-1  | A4                   | Wire connection cross section AWG, max.   | AWG 12               |
| Connection direction  | top                  | Stripping length  | 12 mm                |
| Type of connection 2  | SNAP IN              | Type of connection  | SNAP IN              |
| Number of connections   | 2                    | Clamping range, max.  | 6 mm <sup>2</sup>    |
| Clamping range, min.  | 0.75 mm <sup>2</sup> | Blade size  | 0.6 x 3.5 mm         |
| Wire connection cross section AWG, min.   | AWG 20               | 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. | 0.75 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. | 0.75 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 6 mm <sup>2</sup>    |
| Wire connection cross section, finely stranded, min.                                    | 0.75 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>    |
| Connection cross-section, stranded, min.  | 0.75 mm <sup>2</sup> | Wire connection cross-section, solid core, max.   | 6 mm <sup>2</sup>    |
| Wire connection cross-section, solid core, min.   | 0.75 mm <sup>2</sup> | Connection cross-section, finely stranded, min.   | 0.75 mm <sup>2</sup> |

## General

|   |        |                     |               |
|---|--------|---------------------|---------------|
| Wire connection cross section AWG, max. | AWG 12 | Installation advice | TS 35         |
| Wire connection cross section AWG, min. | AWG 20 | Standards           | IEC 60947-7-3 |
| Mounting rail                           | TS 35  |                     |               |

## Rating data

|                                     |                   |  |         |
|-------------------------------------|-------------------|--|---------|
| Rated cross-section                 | 4 mm <sup>2</sup> | Rated voltage                                | 250 V   |
| Rated voltage to adjoining terminal | 500 V             | Rated DC voltage                             | 400 V   |
| Nominal current                     | 6.3 A             | Current at maximum wires                     | 6.3 A   |
| Standards                           | IEC 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 mW |
| Surge voltage category              | III               | Pollution severity                           | 3       |

## UL rating data

|                                 |        |                         |        |
|---------------------------------|--------|-------------------------|--------|
| Voltage size B (cURus)          | 300 V  | Voltage size D (cURus)  | 300 V  |
| Wire cross section max. (cURus) | 10 AWG | Certificate No. (cURus) | E60693 |
| Wire cross section min. (cURus) | 20 AWG | Current size B (cURus)  | 10 A   |
| Voltage size C (cURus)          | 150 V  | Current size C (cURus)  | 10 A   |
| Current size D (cURus)          | 10 A   |                         |        |

## Classifications

|           |          |             |             |
|-----------|----------|-------------|-------------|
| ETIM 8.0  | EC000899 | ETIM 9.0    | EC000899    |
| ETIM 10.0 | EC000899 | ECLASS 14.0 | 27-25-01-13 |

**Technical data**

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ECLASS 15.0

27-25-01-13

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