

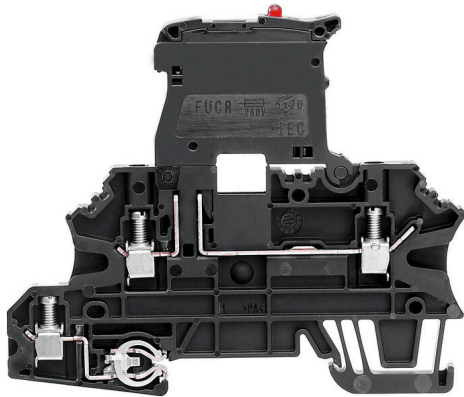
**WMF 2.5 FU PE 60-150V SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

In process control systems for facilities in the process and power generation sectors, incoming signals from field devices are often connected with terminal blocks in marshalling cabinets. Terminal blocks are used despite the existence of alternative technologies such as Remote I/O and Fieldbus. This is mainly because they offer a sturdy and simple connection system, and because they are clearly arranged. Our WMF (Weidmüller Multi Funktional) line of terminal blocks provide a multi-functional solution for marshalling signals.

**General ordering data**

|            |  |
|------------|--|
| Version    | Fuse terminal, Screw connection, black, 2.5 mm <sup>2</sup> , 6.3 A, 150 V, Number of connections: 3, Number of levels: 2, TS 35 |
| Order No.  | <a href="#">1163070000</a>   |
| Type       | WMF 2.5 FU PE 60-150V SW   |
| GTIN (EAN) | 4032248991792  |
| Qty.       | 50 items   |

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## Technical data

### Approvals

Approvals



|                           |                            |
|---------------------------|----------------------------|
| ROHS                      | Conform                    |
| UL File Number Search     | <a href="#">UL Website</a> |
| Certificate No. (cURus)   | E60693                     |
| Certificate No. (cURusEX) | E184763                    |

### Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 74 mm       | Depth (inches) | 2.9134 inch |
| Depth including DIN rail | 74.5 mm     | Height         | 88 mm       |
| Height (inches)          | 3.4646 inch | Width          | 5.08 mm     |
| Width (inches)           | 0.2 inch    | Net weight     | 20 g        |

### Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C         |

### Environmental Product Compliance

|                                      |                          |
|--------------------------------------|--------------------------|
| RoHS Compliance Status               | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7cl                      |
| REACH SVHC                           | No SVHC above 0.1 wt%    |

### Material data

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Basic material            | Wemid | Colour | black |
| UL 94 flammability rating | V-0   |        |       |

### Rating data IECEx/ATEX

|                        |                  |                                 |                   |
|------------------------|------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | DEMKO14ATEX1389U | Certificate No. (IECEX)         | IECEXUL14.0097U   |
| 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            |

### System specifications

|                                   |   |                          |     |
|-----------------------------------|---|--------------------------|-----|
| Version                           | Screw connection, Fuse isolator, With PE connection, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of potentials              | 2   | Number of levels         | 2   |
| Levels cross-connected internally | Yes   | PE connection            | Yes |
| Mounting rail                     | TS 35   | PE function              | Yes |

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**Technical data**
**Additional technical data**

|            |       |                  |         |
|------------|-------|------------------|---------|
| Open sides | right | Type of mounting | Snap-on |
|------------|-------|------------------|---------|

**CSA rating data**

|                               |        |                       |                |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 12 AWG | Voltage size C (CSA)  | 600 V          |
| Current size C (CSA)          | 17 A   | Certificate No. (CSA) | 200039-1057876 |
| Voltage size B (CSA)          | 600 V  | Current size B (CSA)  | 17 A           |
| Voltage size D (CSA)          | 600 V  | Current size D (CSA)  | 5 A            |
| Wire cross section min. (CSA) | 26 AWG |                       |                |

**Conductors for clamping (additional connection)**

|  |                  |
|--|------------------|
| Connection type, additional connection | Screw connection |
|--|------------------|

**Conductors for clamping (rated connection)**

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Gauge to IEC 60947-1  | A3                  | Wire connection cross section AWG, max.   | AWG 12              |
| Connection direction  | on side             | Tightening torque, max.   | 0.6 Nm              |
| Tightening torque, min.   | 0.5 Nm              | Stripping length  | 10 mm               |
| Type of connection 2  | Screw connection    | Type of connection  | Screw connection    |
| Number of connections   | 3                   | Clamping range, max.  | 4 mm <sup>2</sup>   |
| Clamping range, min.  | 0.5 mm <sup>2</sup> | Clamping screw  | M 3                 |
| Blade size  | 0.6 x 3.5 mm        | Wire connection cross section AWG, min.   | AWG 26              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 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 with wire-end ferrules DIN 46228/1, max. | 2.5 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, max.                                    | 4 mm <sup>2</sup>   | Wire connection cross section, finely stranded, 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> |
| 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> |
| Connection cross-section, finely stranded, min.   | 0.5 mm <sup>2</sup> |   |                     |

**General**

|   |               |   |        |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 12        | Wire connection cross section AWG, min. | AWG 26 |
| Standards                               | IEC 60947-7-3 | Mounting rail                           | TS 35  |

**Rating data**

|  |                     |                                 |               |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 150 V         |
| Rated DC voltage                             | 150 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 | 1.33 mΩ             | Rated impulse withstand voltage | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Surge voltage category          | III           |
| Pollution severity                           | 3                   |                                 |               |

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### UL rating data

|  |        |  |        |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Voltage size B (cURus)                     | 600 V  |
| Voltage size D (cURus)                     | 600 V  | Wire cross section max. (cURus)            | 12 AWG |
| Certificate No. (cURus)                    | E60693 | Wire cross section min. (cURus)            | 26 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Current size B (cURus)                     | 17 A   | Voltage size C (cURus)                     | 600 V  |
| Current size C (cURus)                     | 17 A   | Current size D (cURus)                     | 5 A    |
| Conductor size Field wiring max. (cURus)   | 12 AWG |  |        |

### Important note

Product information      The voltage depends on the selected fuse element or the selected indicator light

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000899    | ETIM 9.0    | EC000899    |
| ETIM 10.0   | EC000899    | ECLASS 14.0 | 27-25-01-13 |
| ECLASS 15.0 | 27-25-01-13 |             |             |

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**Drawings**

