

**W-Series**  
**WMF 2.5 FU SW****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**

Weidmüller's new WMF (Weidmüller Multi-Functional) line of terminal blocks provide a multi-functional solution for routing and distributing signals. This space-saving terminal combines all the necessary functionality into a single solution. It features an integrated shield connection and can be used with feed-through, fuse and disconnect functionality. The three cross-connection channels and wide variety of labelling options offer additional flexibility.

**General ordering data**

|            |  |
|------------|--|
| Type       | WMF 2.5 FU SW  |
| Order No.  | <a href="#">1162920000</a>   |
| Version    | W-Series, Fuse terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| GTIN (EAN) | 4032248992126  |
| Qty.       | 50 pc(s).  |

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 5.08 mm | Width (inches)  | 0.2 inch   |
| Height                   | 88 mm   | Height (inches) | 3.465 inch |
| Depth                    | 74 mm   | Depth (inches)  | 2.913 inch |
| Depth including DIN rail | 74.5 mm | Net weight      | 16.8 g     |

**Temperatures**

|                                  |               |                                  |        |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max.        | 40 °C         | Storage temperature, min.        | 10 °C  |
| Storage temperature              | 10 °C...40 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C        |                                  |        |

**Material data**

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

**Rating data IECEx/ATEX**

|                                |                     |                         |                  |
|--------------------------------|---------------------|-------------------------|------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1389U    | Certificate No. (IECEX) | IECEXUL 14.0097U |
| Max. voltage (ATEX)            | 500 V               | Current (ATEX)          | 6.3 A            |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup> | Max. voltage (IECEX)    | 500 V            |
| Current (IECEX)                | 6.3 A               | Marking EN 60079-7      | Ex ec II C Gc    |
| Ex 2014/34/EU label            | II 3 G D            |                         |                  |

**System specifications**

|                                     |   |                               |       |
|-------------------------------------|---|-------------------------------|-------|
| Version                             | Screw connection, Fuse isolator, for plug-in cross-connector, One end without connector | 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**

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

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Current size B (CSA)          | 17 A   |
| Current size C (CSA)          | 17 A           | Current size D (CSA)          | 5 A    |
| Voltage size B (CSA)          | 600 V          | Voltage size C (CSA)          | 600 V  |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 12 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.  | 0.5 mm <sup>2</sup> | Clamping screw  | M 3                 |
| Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>   | Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> |
| Connection direction  | on side             | Gauge to IEC 60947-1  | A3                  |
| Number of connections   | 2                   | Stripping length  | 10 mm               |
| Tightening torque, max.   | 0.6 Nm              | Tightening torque, min.   | 0.5 Nm              |
| Type of connection  | Screw connection    | 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. | 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 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, 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  | Without LED           |
| Fuse holder (cartridge holder)   | Pivoting              | Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 23°C |
| Power loss for overload and short-circuit protection for an individual arrangement | 1.6 W at 6.3 A @ 44°C | Power loss for short-circuit protection only for a composite arrangement         | 2.5 W at 6.3 A @ 48°C |
| Power loss for short-circuit protection only for an individual arrangement         | 4 W at 6.3 A @ 61°C   |  |                       |

**PE rating data**

|              |    |
|--------------|----|
| PEN function | No |
|--------------|----|

**Rating data**

|   |                          |  |         |
|---|--------------------------|--|---------|
| Rated cross-section                         | 2.5 mm <sup>2</sup>      | Rated voltage                                | 500 V   |
| Rated current                               | 6.3 A                    | Current at maximum wires                     | 6.3 A   |
| Standards                                   | IEC 60947-7-3, IEC 61984 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Power loss in accordance with IEC 60947-7-x | 0.77 W                   | Rated impulse withstand voltage              | 8 kV    |
| Pollution severity                          | 3                        | Surge voltage category                       | III     |

**UL rating data**

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

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**Data sheet**

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**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 |            |             |

**Approvals**

Approvals



ROHS Conform

**Downloads**

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">AEx nA Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">DE_PT1003_20160414_242_ISSUE01.pdf</a><br><a href="#">Declaration of Conformity Terminals</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>  |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>   |
| Engineering Data                            | <a href="#">STEP</a>   |
| User Documentation                          | <a href="#">Beipackzettel_WMF.pdf</a><br><a href="#">NTI WMF FU.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>   |

**Safety note**

Safety notice [Safety Information](#)

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**Drawings**

