

WMF 2.5 FU PE SW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	W-Series, Fuse terminal, PE terminal, Rated cross-section: 2.5 mm ² , Screw connection
Order No.	1163040000
Type	WMF 2.5 FU PE SW
GTIN (EAN)	4032248992027
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	74 mm	Depth (inches)	2.913 inch
Depth including DIN rail	74.5 mm	Height	88 mm
Height (inches)	3.465 inch	Net weight	19 g
Width	5.08 mm	Width (inches)	0.2 inch

Temperatures

Storage temperature	-25 °C...55 °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)	IECEXUL14.0097U
Max. voltage (ATEX)	500 V	Current (ATEX)	6.3 A
Wire cross section max. (ATEX)	2.5 mm ²	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, 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
Number of clamping points per level	2	Number of potentials per tier	1
PE connection	Yes	Rail	TS 35
N-function	No	PE function	Yes
PEN function	No		

Additional technical data

Open sides	right	Type of mounting	Snap-on
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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 ²
Clamping range, min.	0.5 mm ²	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	3	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 ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

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		

General

Rail	TS 35	Standards	IEC 60947-7-2, IEC 60947-7-3, IEC 61984
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26

PE rating data

PEN function	No
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Rating data

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

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Technical data

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
UL_current_Print	17 A	UL_voltage_Print	600 V
UL_wire_max_Print	12 AWG	UL_wire_min_Print	26 AWG
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		

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	ECLASS 11.0	27-14-11-16

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity ATEX Certificate IECEX Certificate AEx nA Certificate EAC certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Beipackzettel WMF.pdf NTI WMF FU.pdf StorageConditionsTerminalBlocks

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Drawings

