

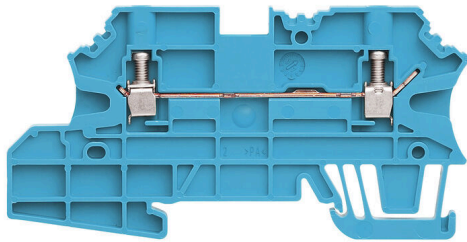
**WMF 2.5 BL****Weidmüller Interface GmbH & Co. KG**

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	Feed-through terminal block, Screw connection, blue, 2.5 mm <sup>2</sup> , 24 A, 800 V, Number of connections: 2
Order No.	<a href="#">1270040000</a>
Type	WMF 2.5 BL
GTIN (EAN)	4050118097238
Qty.	50 items

## WMF 2.5 BL

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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	44.5 mm	Depth (inches)	1.752 inch
Depth including DIN rail	45 mm	Height	88 mm
Height (inches)	3.4646 inch	Width	5.08 mm
Width (inches)	0.2 inch	Net weight	10.7 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 without exemption
REACH SVHC	No SVHC above 0.1 wt%

### Material data

Basic material	Wemid	Colour	blue
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)	23 A
Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>	Max. voltage (IECEX)	500 V
Current (IECEX)	23 A	Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>
Marking EN 60079-7	Ex ec II C Gc	Ex 2014/34/EU label	II 3 G D

### System specifications

Version	Screw connection, 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
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35	PE function	No

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## Additional technical data

Open sides	right	Explosion-tested version	Yes
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)	26 A	Certificate No. (CSA)	200039-1057876
Voltage size B (CSA)	600 V	Current size B (CSA)	26 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	Screw connection	Number of connections	2
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.	1.5 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>		

## General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1	Mounting rail	TS 35

## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	24 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
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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## Technical data

### 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)	20 A	Voltage size C (cURus)	600 V
Current size C (cURus)	20 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	12 AWG		

### Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		