

**W-Series**  
**WMF 2.5 FU 30-70V 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 30-70V SW
Order No.	<a href="#">1162940000</a>
Version	W-Series, Fuse terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4032248992102
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	17.53 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
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 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
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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 <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	Red 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
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**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	70 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		

Creation date May 2, 2020 9:20:12 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

**Data sheet**

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**Technical data**

**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> <a href="#">ATEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">AEx nA Certificate</a> <a href="#">DE_PT1003_20160418_909_ISSUE01.pdf</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> <a href="#">NTI WMF FU.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

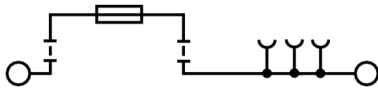
Safety notice	<a href="#">Safety Information</a>
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**Drawings**



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## Accessories

### Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip



### General ordering data

Type	SDS 0.6X3.5X100	Version
Order No.	<a href="#">9008330000</a>	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm
GTIN (EAN)	4032248056286	
Qty.	1 pc(s).	

### Fuse carrier



### DCS marshalling

Our innovative PRV terminal blocks for DCS marshalling featuring a PUSH IN connection and our multifunctional DCS marshalling terminals featuring a screw connection (WMF) not only save space in the panel; they also guarantee more effective signal transmission in process control systems.

### General ordering data

Type	SIHA 3/G20/LD 10-36V	Version
Order No.	<a href="#">7921570000</a>	Accessories, Fuse holder, Rated cross-section: Plug-in connection, Wemid, dark beige, Operating instructions/catalogue
GTIN (EAN)	4032248322503	
Qty.	25 pc(s).	
Type	SIHA 3/G20/LD 140-250V	Version
Order No.	<a href="#">7921600000</a>	Accessories, Fuse holder, Rated cross-section: Plug-in connection, Wemid, dark beige, Operating instructions/catalogue
GTIN (EAN)	4032248322633	
Qty.	25 pc(s).	
Type	FUCR 10-36V SW	Version
Order No.	<a href="#">1167640000</a>	Accessories, Fuse holder, Rated cross-section: Direct mounting
GTIN (EAN)	4032248113972	
Qty.	10 pc(s).	
Type	FUCR 100-250V SW	Version
Order No.	<a href="#">1167680000</a>	Accessories, Fuse holder, Rated cross-section: Direct mounting
GTIN (EAN)	4032248113897	
Qty.	10 pc(s).	
Type	FUCR SW	Version
Order No.	<a href="#">1167630000</a>	Accessories, Fuse holder, Rated cross-section: Direct mounting
GTIN (EAN)	4032248113903	
Qty.	10 pc(s).	

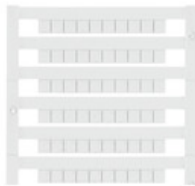
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## Accessories

Type	SIHA 3/G20	Version
Order No.	<a href="#">7921560000</a>	Accessories, Fuse holder, Rated cross-section: Plug-in connection,
GTIN (EAN)	4032248264643	Wemid, dark beige, Operating instructions/catalogue
Qty.	25 pc(s).	

## Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	DEK 5/5 MC NE WS	Version
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

## ZQV 2.5N



### Spring connection with PUSH IN Technology

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

## General ordering data

Type	ZQV 2.5N/10
Order No.	<a href="#">1527690000</a>
GTIN (EAN)	4050118447989
Qty.	20 pc(s).
Type	ZQV 2.5N/5 RD
Order No.	<a href="#">2108710000</a>
GTIN (EAN)	4050118448511
Qty.	20 pc(s).

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## Accessories

Type ZQV 2.5N/7 RD  
 Order No. [2108810000](#)  
 GTIN (EAN) 4050118448498  
 Qty. 20 pc(s).

Type ZQV 2.5N/2 RD  
 Order No. [2108470000](#)  
 GTIN (EAN) 4050118448542  
 Qty. 60 pc(s).

Type ZQV 2.5N/4  
 Order No. [1527590000](#)  
 GTIN (EAN) 4050118448443  
 Qty. 60 pc(s).

Type ZQV 2.5N/3 BL  
 Order No. [1527770000](#)  
 GTIN (EAN) 4050118448641  
 Qty. 60 pc(s).

Type ZQV 2.5N/20  
 Order No. [1527720000](#)  
 GTIN (EAN) 4050118447972  
 Qty. 20 pc(s).

Type ZQV 2.5N/6 RD  
 Order No. [2108720000](#)  
 GTIN (EAN) 4050118448504  
 Qty. 20 pc(s).

Type ZQV 2.5N/20 BL  
 Order No. [1527890000](#)  
 GTIN (EAN) 4050118448566  
 Qty. 20 pc(s).

Type ZQV 2.5N/4 RD  
 Order No. [2108700000](#)  
 GTIN (EAN) 4050118448528  
 Qty. 60 pc(s).

Type ZQV 2.5N/8 RD  
 Order No. [2108870000](#)  
 GTIN (EAN) 4050118448481  
 Qty. 20 pc(s).

Type ZQV 2.5N/50 RD  
 Order No. [2109000000](#)  
 GTIN (EAN) 4050118486001  
 Qty. 5 pc(s).

Type ZQV 2.5N/8 BL  
 Order No. [1527840000](#)  
 GTIN (EAN) 4050118448597  
 Qty. 20 pc(s).

Type ZQV 2.5N/9  
 Order No. [1527680000](#)  
 GTIN (EAN) 4050118447996  
 Qty. 20 pc(s).

Type ZQV 2.5N/10 BL  
 Order No. [1527880000](#)  
 GTIN (EAN) 4050118448573  
 Qty. 20 pc(s).

Creation date May 2, 2020 9:20:12 AM CEST



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## Accessories

Type ZQV 2.5N/7 BL  
 Order No. [1527830000](#)  
 GTIN (EAN) 4050118448603  
 Qty. 20 pc(s).

Type ZQV 2.5N/2  
 Order No. [1527540000](#)  
 GTIN (EAN) 4050118448467  
 Qty. 60 pc(s).

Type ZQV 2.5N/9 BL  
 Order No. [1527870000](#)  
 GTIN (EAN) 4050118448580  
 Qty. 20 pc(s).

Type ZQV 2.5N/10 RD  
 Order No. [2108910000](#)  
 GTIN (EAN) 4050118486018  
 Qty. 20 pc(s).

Type ZQV 2.5N/3  
 Order No. [1527570000](#)  
 GTIN (EAN) 4050118448450  
 Qty. 60 pc(s).

Type ZQV 2.5N/50  
 Order No. [1527730000](#)  
 GTIN (EAN) 4050118411362  
 Qty. 5 pc(s).

Type ZQV 2.5N/50 BL  
 Order No. [1527920000](#)  
 GTIN (EAN) 4050118448559  
 Qty. 5 pc(s).

Type ZQV 2.5N/20 RD  
 Order No. [2108920000](#)  
 GTIN (EAN) 4050118485899  
 Qty. 20 pc(s).

Type ZQV 2.5N/7  
 Order No. [1527640000](#)  
 GTIN (EAN) 4050118448412  
 Qty. 20 pc(s).

Type ZQV 2.5N/5 BL  
 Order No. [1527790000](#)  
 GTIN (EAN) 4050118448627  
 Qty. 20 pc(s).

Type ZQV 2.5N/6  
 Order No. [1527630000](#)  
 GTIN (EAN) 4050118448429  
 Qty. 20 pc(s).

Type ZQV 2.5N/2 BL  
 Order No. [1527740000](#)  
 GTIN (EAN) 4050118448658  
 Qty. 60 pc(s).

Type ZQV 2.5N/8  
 Order No. [1527670000](#)  
 GTIN (EAN) 4050118448405  
 Qty. 20 pc(s).

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## Data sheet

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## Accessories

Type ZQV 2.5N/9 RD  
 Order No. [2108900000](#)  
 GTIN (EAN) 4050118448474  
 Qty. 20 pc(s).

Type ZQV 2.5N/5  
 Order No. [1527620000](#)  
 GTIN (EAN) 4050118448436  
 Qty. 20 pc(s).

Type ZQV 2.5N/3 RD  
 Order No. [2108690000](#)  
 GTIN (EAN) 4050118448535  
 Qty. 60 pc(s).

Type ZQV 2.5N/6 BL  
 Order No. [1527820000](#)  
 GTIN (EAN) 4050118448610  
 Qty. 20 pc(s).

Type ZQV 2.5N/4 BL  
 Order No. [1527780000](#)  
 GTIN (EAN) 4050118448634  
 Qty. 60 pc(s).

## End plates



### DCS marshalling

Our innovative PRV terminal blocks for DCS marshalling featuring a PUSH IN connection and our multifunctional DCS marshalling terminals featuring a screw connection (WMF) not only save space in the panel; they also guarantee more effective signal transmission in process control systems.

## General ordering data

Type	AP WMF2.5	Version	
Order No.	<a href="#">1142990000</a>	W-Series, End plate	
GTIN (EAN)	4032248925889		
Qty.	50 pc(s).		

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# Accessories

## Component plug



### Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

### General ordering data

Type	BEST/DRBR	Version
Order No.	<a href="#">1878570000</a>	Accessories, Component plug, 22 A
GTIN (EAN)	4032248471508	
Qty.	50 pc(s).	
Type	BEST/D	Version
Order No.	<a href="#">1878560000</a>	Accessories, Component plug, 1 A
GTIN (EAN)	4032248471492	
Qty.	50 pc(s).	

## ZQV 2.5N



### Spring connection with tension clamp Technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

### General ordering data

Type	ZQV 2.5N/3 GE	Version
Order No.	<a href="#">1693810000</a>	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883645	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 GE	Version
Order No.	<a href="#">1693800000</a>	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 pc(s).	
Type	ZQV 2.5N/10 GE	Version
Order No.	<a href="#">1693880000</a>	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883720	
Qty.	20 pc(s).	
Type	ZQV 2.5N/20 GE	Version
Order No.	<a href="#">1909000000</a>	Z-series, Cross-connector, 24 A
GTIN (EAN)	4032248535613	
Qty.	20 pc(s).	

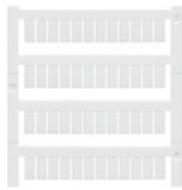
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## Accessories

Type	ZQV 2.5N/4 GE	Version	
Order No.	<a href="#">1693820000</a>	Version	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883652		
Qty.	60 pc(s).		

## Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	WS 10/5 M MC NE WS	Version	
Order No.	<a href="#">1792000000</a>	Version	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4032248223862		Allen-Bradley, white
Qty.	720 pc(s).		

## End brackets



### Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

## General ordering data

Type	WEW 35/2	Version	
Order No.	<a href="#">1061200000</a>	Version	W-Series, End bracket
GTIN (EAN)	4008190030230		
Qty.	100 pc(s).		