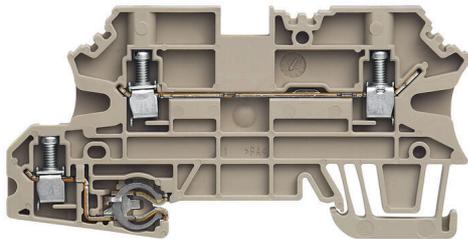**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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	Multi-tier modular terminal, Screw connection, dark beige, 2.5 mm², 800 V, Number of connections: 3, Number of levels: 2, TS 35, V-0
Order No.	1143060000
Type	WMF 2.5 PE
GTIN (EAN)	4032248926053
Qty.	50 items

WMF 2.5 PE

Technical data

Approvals

Approvals	CE CSA cULus UKCA
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	44.5 mm	Depth (inches)	1.752 inch
Height	88 mm	Height (inches)	3.4646 inch
Width	5.08 mm	Width (inches)	0.2 inch
Net weight	13.1 g		

Temperatures

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	dark beige
UL 94 flammability rating	V-0		

System specifications

End cover plate required	Yes	Number of potentials	2
Number of levels	2	Number of clamping points per level	2
Levels cross-connected internally	No	PE connection	Yes
Mounting rail	TS 35	PE function	Yes
PEN function	No		

Additional technical data

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

WMF 2.5 PE

Technical data

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 12	Connection direction	on side
Stripping length	10 mm	Type of connection 2	Screw connection
Type of connection	Screw connection	Number of connections	3
Clamping range, max.	4 mm²	Clamping range, min.	0.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	4 mm²
Connection cross-section, stranded, min.	0.5 mm²	Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.5 mm²	Connection cross-section, finely stranded, min.	0.5 mm²

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 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Surge voltage category	III
Pollution severity	3		

### 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	27-25-01-02
ECLASS 15.0	27-25-01-02		
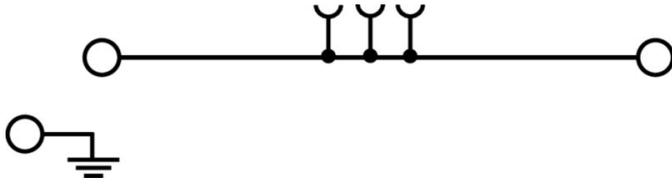
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WMF 2.5 PE

## Drawings

Accessories

Accessories

The comprehensive accessories of the Klippon® Connect portfolio are perfectly matched down to the last detail. This facilitates mounting while adhering to required norms

General ordering data

Type	AP WMF2.5	Version	
Order No.	1142990000	End plate for terminals, beige, Height: 87.25 mm, Width: 1.5 mm,	
GTIN (EAN)	4032248925889	V-0, Wemid, Snap-on: Yes	
Qty.	50 ST		

End bracket
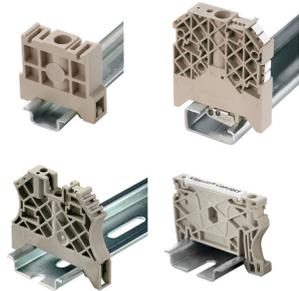
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	WEW 35/2	Version	
Order No.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C	
GTIN (EAN)	4008190030230		
Qty.	50 ST		

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.	9008330000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

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WMF 2.5 PE

Accessories

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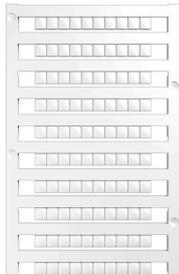
The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

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.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1000 ST	
Type	WS 10/5 M MC NE WS	Version
Order No.	1792000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4032248223862	Allen-Bradley, white
Qty.	720 ST	

Marker holder

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

WMF 2.5 PE

Accessories

Cross-connections

The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 2.5N/10	Version
Order No.	1527690000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118447989	10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.7 mm
Qty.	20 ST	
Type	ZQV 2.5N/10 BL	Version
Order No.	1527880000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 10,
GTIN (EAN)	4050118448573	Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.7 mm
Qty.	20 ST	
Type	ZQV 2.5N/10 RD	Version
Order No.	2108910000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 10,
GTIN (EAN)	4050118486018	Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.7 mm
Qty.	20 ST	
Type	ZQV 2.5N/2	Version
Order No.	1527540000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118448467	2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7.9 mm
Qty.	60 ST	
Type	ZQV 2.5N/2 BL	Version
Order No.	1527740000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 2,
GTIN (EAN)	4050118448658	Pitch in mm (P): 5.10, Insulated: Yes, Width: 7.9 mm
Qty.	60 ST	
Type	ZQV 2.5N/2 RD	Version
Order No.	2108470000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 2,
GTIN (EAN)	4050118448542	Pitch in mm (P): 5.10, Insulated: Yes, Width: 7.9 mm
Qty.	60 ST	
Type	ZQV 2.5N/20	Version
Order No.	1527720000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118447972	20, Pitch in mm (P): 5.10, Insulated: Yes, Width: 102 mm
Qty.	20 ST	
Type	ZQV 2.5N/20 BL	Version
Order No.	1527890000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 20,
GTIN (EAN)	4050118448566	Pitch in mm (P): 5.10, Insulated: Yes, Width: 102 mm
Qty.	20 ST	
Type	ZQV 2.5N/20 RD	Version
Order No.	2108920000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 20,
GTIN (EAN)	4050118485899	Pitch in mm (P): 5.10, Insulated: Yes, Width: 102 mm
Qty.	20 ST	
Type	ZQV 2.5N/3	Version
Order No.	1527570000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118448450	3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm
Qty.	60 ST	

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Accessories

Type	ZQV 2.5N/3 BL	Version
Order No.	1527770000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 3,
GTIN (EAN)	4050118448641	Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm
Qty.	60 ST	
Type	ZQV 2.5N/3 RD	Version
Order No.	2108690000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 3,
GTIN (EAN)	4050118448535	Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm
Qty.	60 ST	
Type	ZQV 2.5N/4	Version
Order No.	1527590000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118448443	4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm
Qty.	60 ST	
Type	ZQV 2.5N/4 BL	Version
Order No.	1527780000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 4,
GTIN (EAN)	4050118448634	Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm
Qty.	60 ST	
Type	ZQV 2.5N/4 RD	Version
Order No.	2108700000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 4,
GTIN (EAN)	4050118448528	Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm
Qty.	60 ST	
Type	ZQV 2.5N/5	Version
Order No.	1527620000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118448436	5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm
Qty.	20 ST	
Type	ZQV 2.5N/5 BL	Version
Order No.	1527790000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 5,
GTIN (EAN)	4050118448627	Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm
Qty.	20 ST	
Type	ZQV 2.5N/5 RD	Version
Order No.	2108710000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 5,
GTIN (EAN)	4050118448511	Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm
Qty.	20 ST	
Type	ZQV 2.5N/50	Version
Order No.	1527730000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118411362	50, Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm
Qty.	5 ST	
Type	ZQV 2.5N/50 BL	Version
Order No.	1527920000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 50,
GTIN (EAN)	4050118448559	Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm
Qty.	5 ST	
Type	ZQV 2.5N/50 RD	Version
Order No.	2109000000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 50,
GTIN (EAN)	4050118486001	Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm
Qty.	5 ST	
Type	ZQV 2.5N/6	Version
Order No.	1527630000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118448429	6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm
Qty.	20 ST	
Type	ZQV 2.5N/6 BL	Version
Order No.	1527820000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 6,
GTIN (EAN)	4050118448610	Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm
Qty.	20 ST	

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Accessories

Type	ZQV 2.5N/6 RD	Version	
Order No.	2108720000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 6,	
GTIN (EAN)	4050118448504	Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm	
Qty.	20 ST		
Type	ZQV 2.5N/7	Version	
Order No.	1527640000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:	
GTIN (EAN)	4050118448412	7, Pitch in mm (P): 5.10, Insulated: Yes, Width: 33.4 mm	
Qty.	20 ST		
Type	ZQV 2.5N/7 BL	Version	
Order No.	1527830000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 7,	
GTIN (EAN)	4050118448603	Pitch in mm (P): 5.10, Insulated: Yes, Width: 33.4 mm	
Qty.	20 ST		
Type	ZQV 2.5N/7 RD	Version	
Order No.	2108810000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 7,	
GTIN (EAN)	4050118448498	Pitch in mm (P): 5.10, Insulated: Yes, Width: 33.4 mm	
Qty.	20 ST		
Type	ZQV 2.5N/8	Version	
Order No.	1527670000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:	
GTIN (EAN)	4050118448405	8, Pitch in mm (P): 5.10, Insulated: Yes, Width: 38.5 mm	
Qty.	20 ST		
Type	ZQV 2.5N/8 BL	Version	
Order No.	1527840000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 8,	
GTIN (EAN)	4050118448597	Pitch in mm (P): 5.10, Insulated: Yes, Width: 38.5 mm	
Qty.	20 ST		
Type	ZQV 2.5N/8 RD	Version	
Order No.	2108870000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 8,	
GTIN (EAN)	4050118448481	Pitch in mm (P): 5.10, Insulated: Yes, Width: 38.5 mm	
Qty.	20 ST		
Type	ZQV 2.5N/9	Version	
Order No.	1527680000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:	
GTIN (EAN)	4050118447996	9, Pitch in mm (P): 5.10, Insulated: Yes, Width: 43.6 mm	
Qty.	20 ST		
Type	ZQV 2.5N/9 BL	Version	
Order No.	1527870000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 9,	
GTIN (EAN)	4050118448580	Pitch in mm (P): 5.10, Insulated: Yes, Width: 43.6 mm	
Qty.	20 ST		
Type	ZQV 2.5N/9 RD	Version	
Order No.	2108900000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 9,	
GTIN (EAN)	4050118448474	Pitch in mm (P): 5.10, Insulated: Yes, Width: 43.6 mm	
Qty.	20 ST		