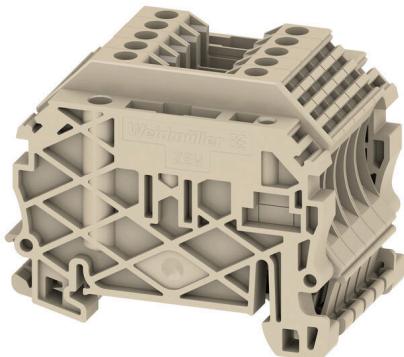


WDU 2.5 PACK

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal block, Screw connection, dark beige, 2.5 mm ² , 24 A, 800 V, Number of connections: 2
Order No.	1781720000
Type	WDU 2.5 PACK
GTIN (EAN)	4032248174683
Qty.	1 items

WDU 2.5 PACK

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.8307 inch
Height	46.5 mm	Height (inches)	1.8307 inch
Width	59 mm	Width (inches)	2.3228 inch
Net weight	127.44 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%
Product Carbon Footprint	Cradle to gate 0,832 kg CO ₂ eq.

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEx)	IECExULD14.0005U
Max. voltage (ATEX)	690 V	Current (ATEX)	24 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEx)	690 V
Current (IECEx)	24 A	Wire cross section max. (IECEx)	2.5 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, for plug-in cross-connector, for screwable cross-connection, One end without connector	End cover plate required	No
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	N-function	No
PE function	No	PEN function	No

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Technical data

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Cross-section for connected wire, solid, 1.5 mm²
two clampable wires, max.

Cross-section for connected wire, solid, 0.5 mm²
two clampable wires, min.

Additional technical data

Explosion-tested version	Yes	Type of mounting	Snap-on
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Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, AWG 12
max.

Stripping length 10 mm

Type of connection Screw connection

Number of connections 2

Clamping range, max. 4 mm²

Clamping range, min. 0.05 mm²

Clamping screw M 2.5

Wire connection cross section AWG, AWG 30
min.

Wire connection cross-section, finely
stranded with wire-end ferrules DIN
46228/4, max.

Wire connection cross-section, finely
stranded with wire-end ferrules DIN
46228/4, min.

Wire connection cross-section, finely
stranded with wire-end ferrules DIN
46228/1, max.

Wire connection cross-section, finely
stranded with wire-end ferrules DIN
46228/1, min.

Wire connection cross section, finely
stranded, max.

Wire connection cross section, finely
stranded, min.

Connection cross-section, stranded, 4 mm²
max.

Connection cross-section, stranded, min. 0.05 mm²

Wire connection cross-section, solid
core, max.

Wire connection cross-section, solid
core, min.

Connection cross-section, finely
stranded, min.

Clampable conductor	Connection specification	Screw connection	
		Type	solid, H05(07) V-U
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	4 mm ²
		nominal	2.5 mm ²
	wire end ferrule	Stripping length	min. 10 mm max. 10 mm nominal 10 mm
		Tightening torque	min. 0.4 Nm max. 0.8 Nm

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Technical data

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Connection specification	Screw connection	
Cross-section for conductor connection	Type	stranded, H07V-R
	min.	1.5 mm ²
	max.	4 mm ²
	nominal	2.5 mm ²
wire end ferrule	Stripping length	min. 10 mm
		max. 10 mm
		nominal 10 mm
	Tightening torque	min. 0.4 Nm
		max. 0.8 Nm
Connection specification	Screw connection	
Cross-section for conductor connection	Type	flexible, H05(07) V-K
	min.	0.5 mm ²
	max.	2.5 mm ²
	nominal	2.5 mm ²
wire end ferrule	Stripping length	min. 10 mm
		max. 10 mm
		nominal 10 mm
	Tightening torque	min. 0.4 Nm
		max. 0.8 Nm

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 30
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm ²	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	Power loss in accordance with IEC 60947-7-x	0.77 W

UL rating data

Voltage size B (UR)	600 V	Current size B (UR)	25 A
Conductor size Factory wiring max. (UR)	12 AWG	Current size C (UR)	25 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	30 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	28 AWG
Conductor size Field wiring max. (UR)	12 AWG		

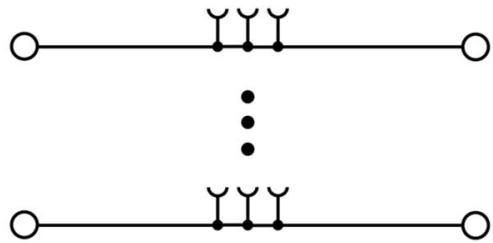
Classifications

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		

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Drawings

WDU 2.5 PACK

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Accessories

DEK 5/5



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	DEK 5/5 MM WS	Version
Order No.	2007110000	Dekafix, Terminal marker, 5 x 5 mm, Weidmüller, white
GTIN (EAN)	4050118391862	
Qty.	800 ST	

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	WTW EN	Version
Order No.	1058800000	Partition plate (terminal), dark beige, Height: 86 mm, Width: 3 mm,
GTIN (EAN)	4008190140175	V-0, Wemid
Qty.	20 ST	

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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/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/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 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/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	

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Accessories

Type	ZQV 2.5N/3	Version
Order No.	1527570000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm
GTIN (EAN)	4050118448450	
Qty.	60 ST	
Type	ZQV 2.5N/3 RD	Version
Order No.	2108690000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm
GTIN (EAN)	4050118448535	
Qty.	60 ST	
Type	ZQV 2.5N/4	Version
Order No.	1527590000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm
GTIN (EAN)	4050118448443	
Qty.	60 ST	
Type	ZQV 2.5N/4 BL	Version
Order No.	1527780000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm
GTIN (EAN)	4050118448634	
Qty.	60 ST	
Type	ZQV 2.5N/4 RD	Version
Order No.	2108700000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm
GTIN (EAN)	4050118448528	
Qty.	60 ST	
Type	ZQV 2.5N/5	Version
Order No.	1527620000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm
GTIN (EAN)	4050118448436	
Qty.	20 ST	
Type	ZQV 2.5N/5 BL	Version
Order No.	1527790000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm
GTIN (EAN)	4050118448627	
Qty.	20 ST	
Type	ZQV 2.5N/5 RD	Version
Order No.	2108710000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm
GTIN (EAN)	4050118448511	
Qty.	20 ST	
Type	ZQV 2.5N/50	Version
Order No.	1527730000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: 50, Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm
GTIN (EAN)	4050118411362	
Qty.	5 ST	
Type	ZQV 2.5N/50 BL	Version
Order No.	1527920000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 50, Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm
GTIN (EAN)	4050118448559	
Qty.	5 ST	
Type	ZQV 2.5N/50 RD	Version
Order No.	2109000000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 50, Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm
GTIN (EAN)	4050118486001	
Qty.	5 ST	
Type	ZQV 2.5N/6	Version
Order No.	1527630000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm
GTIN (EAN)	4050118448429	
Qty.	20 ST	
Type	ZQV 2.5N/6 BL	Version
Order No.	1527820000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm
GTIN (EAN)	4050118448610	
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	
Type	WQB B/10	Version
Order No.	1579050000	Cross-connector (terminal), when screwed in, black, 24 A, Number of
GTIN (EAN)	4008190094508	poles: 10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.26 mm
Qty.	20 ST	
Type	WQB B/2	Version
Order No.	1579010000	Cross-connector (terminal), when screwed in, black, 24 A, Number of
GTIN (EAN)	4008190021696	poles: 2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 10.14 mm
Qty.	50 ST	
Type	WQB B/24	Version
Order No.	1579060000	Cross-connector (terminal), when screwed in, black, 24 A, Number of
GTIN (EAN)	4008190188597	poles: 24, Pitch in mm (P): 5.10, Insulated: Yes, Width: 123.22 mm
Qty.	20 ST	

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Accessories

Type	WQB B/3	Version
Order No.	1579020000	Cross-connector (terminal), when screwed in, black, 24 A, Number of
GTIN (EAN)	4008190062392	poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 15.28 mm
Qty.	50 ST	
Type	WQB B/4	Version
Order No.	1579030000	Cross-connector (terminal), when screwed in, black, 24 A, Number of
GTIN (EAN)	4008190185046	poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 20.42 mm
Qty.	50 ST	
Type	WQB B/6	Version
Order No.	1579040000	Cross-connector (terminal), when screwed in, black, 24 A, Number of
GTIN (EAN)	4008190081041	poles: 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 30.7 mm
Qty.	20 ST	

Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	STB 8.5/D4/2.3/M2.5 AKZ	Version
Order No.	0215700000	Accessories, Socket
GTIN (EAN)	4008190184872	
Qty.	50 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 snapped 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	

WDU 2.5 PACK

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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	WQV 16-2.5	Version
Order No.	1063900000	Cross-connector (terminal), when screwed in, yellow, 76 A, Number of
GTIN (EAN)	4008190112158	poles: 2, Pitch in mm (P): 11.90, Insulated: Yes, Width: 13 mm
Qty.	10 ST	

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	WAP 2.5-10/0.5MM	Version
Order No.	1966380000	End plate for terminals, dark beige, Height: 54.5 mm, Width: 0.35
GTIN (EAN)	4032248688616	mm, V-0, Wemid, Snap-on: Yes
Qty.	50 ST	

Cross-connections



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General ordering data

Type	WQV 16N-2.5	Version
Order No.	1073100000	Cross-connector (terminal), when screwed in, yellow, 76 A, Number of
GTIN (EAN)	4008190489847	poles: 2, Pitch in mm (P): 11.90, Insulated: Yes, Width: 13 mm
Qty.	10 ST	