

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Product image









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

	Feed-through terminal block, Screw connection, blue, 2.5 mm², 24 A, 500 V, Number of connections: 2
Order No.	<u>1023780000</u>
Туре	WDU 2.5N BL
GTIN (EAN)	4008190024123
Qty.	100 ST



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Technical data

Approvals

Approvals





ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate No. (UR)	E60693

Dimensions and weights

Depth	37 mm	Depth (inches)	1.4567 inch
Height	44 mm	Height (inches)	1.7323 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	4.94 a		

Temperatures

Storage temperature	-25 °C55 °C	Ambient temperature	-5 °C40 °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	0.260 kg CO2eq.	

Material data

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	440 V	Current (ATEX)	24 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	440 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 screwable cross- connection	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

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Technical data

Rail	TS 35	N-function	Yes
PE function	No	PEN function	No

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

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²
Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm ²	Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²

Additional technical data

Open sides	right	Number of similar terminals	1
Explosion-tested version	Yes	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	12 AWG	Certificate No. (CSA)	200039-1068673
Voltage size B (CSA)	300 V	Current size B (CSA)	20 A
Voltage size D (CSA)	300 V	Current size D (CSA)	10 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.	0.4 Nm	Stripping length	10 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	4 mm ²	Clamping range, min.	0.05 mm ²
Clamping screw	M 2.5	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 ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 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, max.	4 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	4 mm²
Connection cross-section, stranded, mi	n. 1.5 mm²	Twin wire-end ferrules, max.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Torque level with DMS electric screwdriver	1
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Dimensions





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Technical data

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

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Rated 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	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

UL rating data

Voltage size B (UR) 300 V	Current size B (UR)	20 A
Conductor size Factory wiring max. (UR) 12 AWG	Current size D (UR)	10 A
Conductor size Factory wiring min. (UR) 22 AWG	Certificate No. (UR)	E60693
Conductor size Field wiring min. (UR) 22 AWG	Voltage size D (UR)	300 V
Conductor size Field wiring max. (UR) 12 AWG		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-01	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Data sheet

WDU 2.5N BL

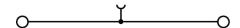


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Drawings





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Accessories

2.5 mm²

2.5

 mm^2

Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	WQV 2.5/2	Version
Order No.	1053660000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190031121	poles: 2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	50 ST	
Туре	WQV 2.5/3	Version
Order No.	1053760000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190058999	poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	50 ST	
Туре	WQV 2.5/4	Version
Type Order No.	WQV 2.5/4 1053860000	Version Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
	,	
Order No.	1053860000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
Order No. GTIN (EAN)	1053860000 4008190049706	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
Order No. GTIN (EAN) Qty.	1053860000 4008190049706 50 ST	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Order No. GTIN (EAN) Oty. Type	1053860000 4008190049706 50 ST WQV 2.5/10	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm Version

2.5/4 mm²

2.5/4

 mm^2

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Туре	WAP WDU2.5N/4N	Version
Order No.	<u>1060000000</u>	End plate for terminals, dark beige, Height: 44 mm, Width: 1.5 mm,
GTIN (EAN)	4008190149154	V-0, Wemid, Snap-on: No
Qty.	50 ST	
Туре	WAP WDU2.5N/4N BL	Version
Type Order No.	WAP WDU2.5N/4N BL 1060080000	Version End plate for terminals, blue, Height: 44 mm, Width: 1.5 mm, V-0,
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Accessories

W-Series



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

Туре	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	
Туре	WTA 1 WDU1.5	Version
Order No.	1632290000	Test adapter (terminal), 1.5 mm ² , 250 V, 6 A
GTIN (EAN)	4008190257361	
Qty.	25 ST	
Туре	WTA 1/ZA WDU1.5	Version
Order No.	1632300000	Test adapter (terminal), 1.5 mm², 250 V, 6 A
GTIN (EAN)	4008190257354	
GTIN (EAN) Qty.	4008190257354 25 ST	
		Version
Qty.	25 ST	Version Terminal cover, white, PA 66, Height: 19.8 mm, Width: 4.5 mm,
Qty.	25 ST WAD 4 WS	
Oty. Type Order No.	25 ST WAD 4 WS 1072100000	Terminal cover, white, PA 66, Height: 19.8 mm, Width: 4.5 mm,
Oty. Type Order No. GTIN (EAN)	25 ST WAD 4 WS 1072100000 4008190446116	Terminal cover, white, PA 66, Height: 19.8 mm, Width: 4.5 mm,
Oty. Type Order No. GTIN (EAN) Oty.	25 ST WAD 4 WS 1072100000 4008190446116 50 ST	Terminal cover, white, PA 66, Height: 19.8 mm, Width: 4.5 mm, Depth: 9.6 mm, V-2
Oty. Type Order No. GTIN (EAN) Oty. Type	25 ST WAD 4 WS 1072100000 4008190446116 50 ST WAD 4 GE BED	Terminal cover, white, PA 66, Height: 19.8 mm, Width: 4.5 mm, Depth: 9.6 mm, V-2 Version

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.

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Accessories

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	
Туре	WS 12/5 MC NE WS	Version
Type Order No.	WS 12/5 MC NE WS 1609860000	Version WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
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SchT group marker carrier



The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw. The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

Туре	SCHT 7	Version
Order No.	0517960000	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00
GTIN (EAN)	4008190001742	Weidmueller, white
Qty.	20 ST	

ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

Туре	ZGB 15	Version
Order No.	<u>1636530000</u>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 ST	
Туре	ZGB 30	Version
Type Order No.	ZGB 30 1611930000	Version Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
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Accessories

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

Order No. <u>0215700000</u>

GTIN (EAN) 4008190184872

Qty. 50 ST

Version

Accessories, Socket

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

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

WS 12/5



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

Туре	WS 12/5 MM WS	Version
Order No.	2007190000	WS, Terminal marker, 12 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392036	
Qty.	800 ST	

2.5/4 mm²

2.5/4

 mm^2

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Tumo	WAP WDU2.5N/4N GE	Version
Type	WAP WD02.5N/4N GE	version
Order No.	1060090000	End plate for terminals, yellow, Height: 44 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190097905	Wemid, Snap-on: No
Qty.	50 ST	
Туре	WAP WDU2.5N/4N OR	Version
Order No.	1060060000	W-Series, End plate, orange, 1.5 mm
GTIN (EAN)	4008190031619	
Qty.	50 ST	
Туре	WAP WDU2.5N/4N RT	Version
Order No.	2932440000	End plate for terminals, red, Height: 44 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4099986672239	Wemid, Snap-on: No
Qty.	50 ST	

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Data sheet

WDU 2.5N BL



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Accessories

Type	WAP WDU2.5N/4N SW	Version
Order No.	2932420000	End plate for terminals, black, Height: 44 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4099986672215	Wemid, Snap-on: No
Qty.	50 ST	
Туре	WAP WDU2.5N/4N WS	Version
Type Order No.	WAP WDU2.5N/4N WS 2932430000	Version End plate for terminals, white, Height: 44 mm, Width: 1.5 mm, V-0,
	,	