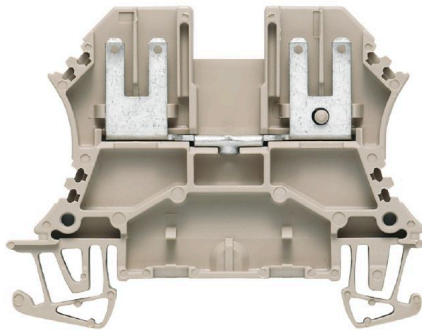


**WDU 2.5 FF 2X2.8****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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**

Version	W-Series, Feed-through terminal, Rated cross-section: 1 mm <sup>2</sup> , Flat-blade connection
Order No.	<a href="#">1021900000</a>
Type	WDU 2.5 FF 2X2.8
GTIN (EAN)	4008190138516
Qty.	100 items
Delivery status	This article will no longer be available in the future.
Available until	2026-06-30T00:00:00+02:00
Alternative product	<a href="#">AST 1/35 6.3/2.8</a>

## WDU 2.5 FF 2X2.8

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

Depth	46.25 mm	Depth (inches)	1.8209 inch
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	6.93 g

## Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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

Version	With cable lug connection F2.8, Both sides, pluggable, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	0	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

## Additional technical data

Open sides	right	Number of similar terminals	1
Explosion-tested version	No	Type of mounting	Snap-on

## CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	10 A	Certificate No. (CSA)	12400-135
Wire cross section min. (CSA)	26 AWG		

## WDU 2.5 FF 2X2.8

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## Technical data

## Conductors for clamping (additional connection)

Connection type, additional connection Flat-blade connection

## Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 12	Connection direction	top
Type of connection	Flat-blade connection	Number of connections	4
Clamping range, max.	4 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 20	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, 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.	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>	Connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>

## General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 20
Standards	IEC 61210, In accordance with IEC 60947-7-1	Mounting rail	TS 35

## Rating data

Rated cross-section	1 mm <sup>2</sup>	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	12 A
Current at maximum wires	12 A	Standards	IEC 61210, In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	2.37 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.43 W	Pollution severity	3

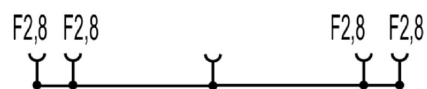
## UL rating data

Voltage size B (UR)	250 V	Current size B (UR)	16 A
Conductor size Factory wiring max. (UR)	14 AWG	Current size C (UR)	16 A
Voltage size C (UR)	300 V	Conductor size Factory wiring min. (UR)	22 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring max. (UR)	14 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		

Drawings



## WDU 2.5 FF 2X2.8

Weidmüller Interface GmbH &amp; Co. KG

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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 2.5/2	Version
Order No.	<a href="#">1053660000</a>	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	
Type	WQV 2.5/3	Version
Order No.	<a href="#">1053760000</a>	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	
Type	WQV 2.5/4	Version
Order No.	<a href="#">1053860000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190049706	poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	50 ST	
Type	WQV 2.5/5	Version
Order No.	<a href="#">1053960000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190158446	poles: 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/6	Version
Order No.	<a href="#">1054060000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190102272	poles: 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/7	Version
Order No.	<a href="#">1054160000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190011246	poles: 7, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/8	Version
Order No.	<a href="#">1054260000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190073572	poles: 8, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/10	Version
Order No.	<a href="#">1054460000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190135089	poles: 10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	20 ST	
Type	WQV 2.5/15	Version
Order No.	<a href="#">1059660000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190002411	poles: 15, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/30	Version
Order No.	<a href="#">1067500000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190031107	poles: 30, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	

## WDU 2.5 FF 2X2.8

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## Accessories

Type	WQV 2.5/20	Version
Order No.	<a href="#">1577570000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190125868	poles: 20, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/32	Version
Order No.	<a href="#">1577600000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190154035	poles: 32, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	

## End plates and partition plates



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

Type	WAP 2.5-10	Version
Order No.	<a href="#">1050000000</a>	End plate for terminals, dark beige, Height: 56 mm, Width: 1.5 mm,
GTIN (EAN)	4008190103149	V-0, Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 BL	Version
Order No.	<a href="#">1050080000</a>	End plate for terminals, blue, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190136611	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 BR	Version
Order No.	<a href="#">1050070000</a>	End plate for terminals, brown, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455507	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 GE	Version
Order No.	<a href="#">1050020000</a>	End plate for terminals, yellow, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406776	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 GN	Version
Order No.	<a href="#">1072200000</a>	End plate for terminals, green, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455491	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 GR	Version
Order No.	<a href="#">1050050000</a>	End plate for terminals, grey, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455484	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 OR	Version
Order No.	<a href="#">1050060000</a>	End plate for terminals, orange, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406769	Wemid, Snap-on: No
Qty.	50 ST	

## WDU 2.5 FF 2X2.8

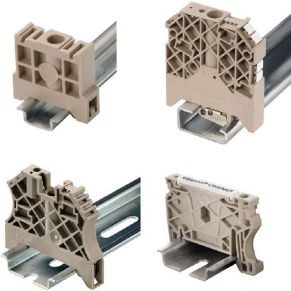
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## Accessories

Type	WAP 2.5-10 RT	Version
Order No.	<a href="#">1050040000</a>	End plate for terminals, red, Height: 56 mm, Width: 1.5 mm, V-O,
GTIN (EAN)	4008190406783	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 SW	Version
Order No.	<a href="#">1050010000</a>	End plate for terminals, black, Height: 56 mm, Width: 1.5 mm, V-O,
GTIN (EAN)	4008190406806	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 VI	Version
Order No.	<a href="#">1072210000</a>	End plate for terminals, violet, Height: 56 mm, Width: 1.5 mm, V-O,
GTIN (EAN)	4008190455460	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 WS	Version
Order No.	<a href="#">1050090000</a>	End plate for terminals, white, Height: 56 mm, Width: 1.5 mm, V-O,
GTIN (EAN)	4008190406790	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 16+35 WTW 2.5-10	Version
Order No.	<a href="#">1050100000</a>	End and partition plate for terminals, dark beige, Height: 56 mm,
GTIN (EAN)	4008190079901	Width: 1.5 mm, V-O, Wemid
Qty.	20 ST	
Type	WAP 16+35 WTW 2.5-10 BL	Version
Order No.	<a href="#">1050180000</a>	End and partition plate for terminals, blue, Height: 56 mm, Width: 1.5
GTIN (EAN)	4008190013899	mm, V-O, Wemid
Qty.	20 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.	<a href="#">1061200000</a>	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 ST	

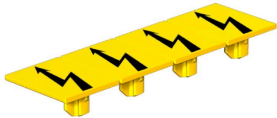
## WDU 2.5 FF 2X2.8

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## Accessories

## Warning cover

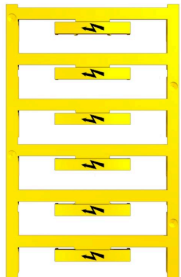


Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

## General ordering data

Type	WAD 4 GE BED	Version
Order No.	<a href="#">1072000000</a>	Terminal cover, yellow, PA 66, Height: 19.8 mm, Width: 4.5 mm,
GTIN (EAN)	4008190446109	Depth: 9.6 mm, V-2
Qty.	50 ST	

## With lightning flash

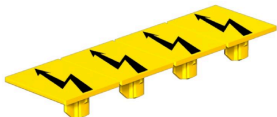


The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers. For 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	WAD 5 MC B GE/SW	Version
Order No.	<a href="#">1120450000</a>	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 WDU 2.5,
GTIN (EAN)	4032248901272	WEW 35/2, ZEW 35/2, yellow
Qty.	48 ST	

## Warning cover



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

## General ordering data

Type	WAD 4 WS	Version
Order No.	<a href="#">1072100000</a>	Terminal cover, white, PA 66, Height: 19.8 mm, Width: 4.5 mm,
GTIN (EAN)	4008190446116	Depth: 9.6 mm, V-2
Qty.	50 ST	



## WDU 2.5 FF 2X2.8

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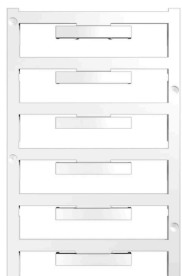
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## Accessories

## Blank



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers. 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	WAD 5 MC NE WS	Version
Order No.	<a href="#">1112910000</a>	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 WDU 2.5,
GTIN (EAN)	4032248891689	WEW 35/2, ZEW 35/2, white
Qty.	48 ST	
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.	1000 ST	
Type	WS 12/5 MC NE WS	Version
Order No.	<a href="#">1609860000</a>	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203481	Allen-Bradley, white
Qty.	720 ST	

## Shield clamping saddle



With our wide range of KLBÜ shield connections, you can achieve flexible and self-adjusting shield contacting and ensure error-free plant operation.

## General ordering data

Type	LS 2.8 WDU2.5-10	Version
Order No.	<a href="#">1056400000</a>	W-Series, Shield bus
GTIN (EAN)	4008190036454	
Qty.	100 ST	

## WDU 2.5 FF 2X2.8

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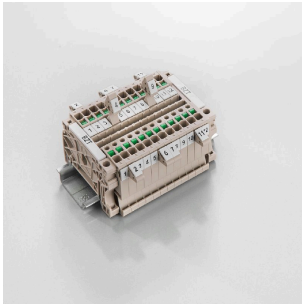
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## Accessories

## 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.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

## 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

Type	WS 12/5 MM WS	Version
Order No.	<a href="#">2007190000</a>	WS, Terminal marker, 12 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392036	
Qty.	800 ST	