

**W-Series**  
**WDU 10 SW**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
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 Fax: +49 5231 14292083  
 www.weidmueller.com


**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	WDU 10 SW
Order No.	<a href="#">1020310000</a>
Version	Feed-through terminal, Screw connection, 10 mm <sup>2</sup> , 1000 V, 57 A, Black
GTIN (EAN)	4008190343682
Qty.	50 pc(s).

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**Technical data****Dimensions and weights**

Width	9.9 mm	Width (inches)	0.39 inch
Height	60 mm	Height (inches)	2.362 inch
Depth	46.5 mm	Depth (inches)	1.831 inch
Depth including DIN rail	47 mm	Weight	18.46 g
Net weight	17.9 g		

**Temperatures**

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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**Material data**

Material	Wemid	Colour	Black
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)	57 A
Wire cross section max. (ATEX)	10 mm <sup>2</sup>	Max. voltage (IECEX)	440 V
Current (IECEX)	57 A	Wire cross section max. (IECEX)	10 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex e II
Ex 2014/34/EU label	II 2 G D		

**System specifications**

Version	Screw connection, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
No. 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

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

Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, solid, two clampable wires, max.	6 mm <sup>2</sup>
Cross-section for connected wire, stranded, two clampable wires, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, stranded, two clampable wires, max.	6 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	6 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	6 mm <sup>2</sup>

**Additional technical data**

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

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**Technical data****CSA rating data**

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	65 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	18 AWG		

**Conductors for clamping (rated connection)**

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	16 mm <sup>2</sup>
Clamping range, rated connection, min.	1.31 mm <sup>2</sup>	Clamping screw	M 4
Connection direction		Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm <sup>2</sup>
	on side	Number of connections	2
Gauge to IEC 60947-1	B6	Tightening torque, max.	1.9 Nm
Stripping length	12 mm	Torque level with DMS electric screwdriver	4
Tightening torque, min.	1.2 Nm	Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>
Twin wire-end ferrules, max.	6 mm <sup>2</sup>	Wire connection cross section AWG, max.	AWG 6
Type of connection	Screw connection	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	16 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section, finely stranded, max.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm <sup>2</sup>	Wire connection cross section, solid core, min. rated connection	1.5 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	16 mm <sup>2</sup>		
Wire connection cross-section, finely stranded, min.	1.5 mm <sup>2</sup>		

**Rating data**

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	1,000 V
Rated current	57 A	Current at maximum wires	76 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	18 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	18 AWG	Current size C (UR)	65 A
Voltage size C (UR)	600 V		

**Classifications**

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

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**Technical data****Product information**

Descriptive text ordering data	1000 VDC rated voltage tested. For alternative colours, see section on W-series accessories – specific functions.
Descriptive text technical data	Note max. current of terminal (76 A) when using WQV! Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.
Descriptive text accessories	Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CFAT_WDU_10.pdf</a> <a href="#">IECEXULD14.0005U_e.pdf</a> <a href="#">CB Test Zertifikat</a> <a href="#">CB Zertifikat</a> <a href="#">DE_PT1001_20160414_129_ISSUE01.pdf</a> <a href="#">ACF-ATEX_4786180920</a>
Engineering Data	<a href="#">EPLAN_WSCAD_Zuken E3.S</a>
User Documentation	<a href="#">NTI_IECEX_WDU-WPE 10.pdf</a>

**Safety note**

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

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**Drawings**

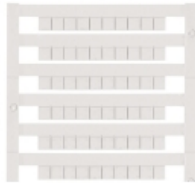


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**Accessories**

**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

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC	<a href="#">1609801044</a>	Dekafix, Terminal marker,	4008190397111	1,000 pc(s).
NE WS		5 x 5 mm, Pitch in mm (P): 5,00 Weidmueller, White		

**Shielding bus**



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**General ordering data**

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

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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 ADVANCED printers.

- High-quality and resistant printing with PrintJet
- WAD marker and cover for the W-series terminals and the WEW 35/2 or ZEW 35/2 end brackets
- Available as blank markers, with custom printing or standard print with lightning symbol
- Quick and easy installation

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WAD 5 MC NE GE	<a href="#">1112920000</a>	Group marker, Cover, 33.3 x 403224889 177 1 48 pc(s). 5 mm, Pitch in mm (P): 5.00 Yellow		
WAD 5 MC NE WS	<a href="#">1112910000</a>	Group marker, Cover, 33.3 x 403224889 1689 48 pc(s). 5 mm, Pitch in mm (P): 5.00 White		

**WQV 10**

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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WQV 10/2	<a href="#">1052560000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 2	4008190154943	50 pc(s).
WQV 10/10	<a href="#">1052460000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 10	4008190152130	20 pc(s).
WQV 10/3	<a href="#">1054960000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 3	4008190079079	50 pc(s).
WQV 10/4	<a href="#">1055060000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 4	4008190188245	50 pc(s).

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**Accessories**

**WGB group tag holder**



WGB 5 group tag carriers for single dekafix and WS tags.  
 WGB also covers cross-connection channels.

**General ordering data**

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	WGB 5 ABDG.M.GRUPPENBEZ	<a href="#">1050760000</a>	Terminal markers, Terminal marker, 33.5 x 5 mm, Pitch in mm (P): 5.00 Beige	4008190072865	50 pc(s)
Discontinued	2016-12-31T00:00:00+01:00	WGB 8 ABDG.M.GRUPPENBEZ	<a href="#">1050960000</a>	Terminal markers, Terminal marker, 16 x 7.7 mm, Pitch in mm (P): 8.00 Beige	4008190076986	50 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

**General ordering data**

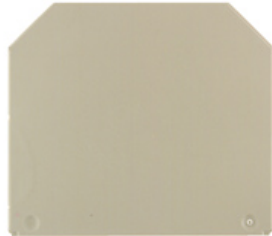
Type	Order No.	Version	GTIN (EAN)	Qty.
WS 12/5 MC NE WS	<a href="#">1609860000</a>	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4008190203481	720 pc(s)

## W-Series WDU 10 SW

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# Accessories

## End plates



### Klippon® Connect with clamping yoke Technology

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### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WAP 16+35	<a href="#">1050100000</a>	W-Series, End plate,	4008190079901	20 pc(s).
WTW 2.5-10		Seperation plate		
WAP 2.5-10	<a href="#">1050000000</a>	W-Series, End plate	4008190103149	50 pc(s).
WAP 2.5-10	<a href="#">1050080000</a>	W-Series, End plate	4008190136611	50 pc(s).
BL				
WAP 16+35	<a href="#">1050180000</a>	W-Series, End plate,	4008190013899	20 pc(s).
WTW 2.5-10		Seperation plate		
BL				

## Test adapter



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### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WTA 3 WDU4	<a href="#">1632350000</a>	W-Series, Test adapter	4008190209711	25 pc(s).

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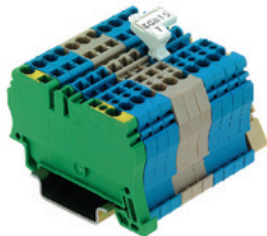
**Accessories**
**Blank**


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 ADVANCED printers.

- High-quality and resistant printing with PrintJet
- WAD marker and cover for the W-series terminals and the WEW 35/2 or ZEW 35/2 end brackets
- Available as blank markers, with custom printing or standard print with lightning symbol
- Quick and easy installation

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WAD 8 MC NE GE	<a href="#">1112950000</a>	Group marker, Cover, 33.3 x 403224889 8 mm, Pitch in mm (P): 8.00 Yellow	1696 48 pc(s).	
WAD 8 MC NE WS	<a href="#">1112940000</a>	Group marker, Cover, 33.3 x 403224889 8 mm, Pitch in mm (P): 8.00 White	1825 48 pc(s).	

**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**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZGB 15	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 White	4008190297053 20 pc(s).	
ZGB 30	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 White	4008190002251 20 pc(s).	

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Accessories

End brackets

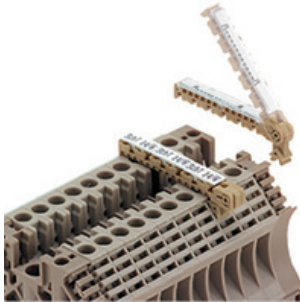


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Type	Order No.	Version	GTIN (EAN)	Qty.
WEW 35/2	<a href="#">1061200000</a>	W-Series, End bracket	4008190030230	100 pc(s).

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.  
 SchT 9/4 and SchT 14/6 are hinged group tag carriers for single dekafix and WS tags that enable easy access to the clamping screw.  
 SchT 9/4 and SchT 14/6 are fitted with WS or DEK.  
 Inlay tags and protective strips can be found under "Accessories".

General ordering data

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued	2015-07-31T00:00:00+02:00	SCHT 9/4	<a href="#">1278460000</a>	SCHT, Terminal marker, 32 x 4 mm, Pitch in mm (P): 5.00 Beige	4008190086930	20 pc(s).
This article will no longer be available in the future.	2017-06-30T00:00:00+02:00	SCHT 14/6	<a href="#">1269060000</a>	SCHT, Terminal marker, 44.3 x 6 mm, Pitch in mm (P): 6.00 Beige	4008190051396	20 pc(s).
SCHT 7	<a href="#">0517960000</a>	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00 White	4008190001742	20 pc(s).		

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**Accessories**

**Partition plates**



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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WTW EN	<a href="#">1058800000</a>	W-Series, Separation plate	4008190140175	20 pc(s).