

**W-Series  
WDU 6 WS**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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www.weidmueller.com

**Product image****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 6 WS
Order No.	<a href="#">1039700000</a>
Version	Feed-through terminal, Screw connection, 6 mm <sup>2</sup> , 800 V, 41 A, white
GTIN (EAN)	4008 19086 126 1
Qty.	100 pc(s).

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

Width	7.9 mm	Width (inches)	0.311 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	14.8 g
Net weight	13.67 g		

**Temperatures**

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

**Material data**

Material	Wemid	Colour	white
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)	41 A
Wire cross section max. (ATEX)	6 mm <sup>2</sup>	Max. voltage (IECEX)	690 V
Current (IECEX)	41 A	Wire cross section max. (IECEX)	6 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 eb II C Gb
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
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

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

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.	2.5 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.	2.5 mm <sup>2</sup>

**Additional technical data**

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

Creation date May 1, 2020 10:02:25 AM CEST

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

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	50 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	22 AWG		

**Conductors for clamping (rated connection)**

Blade size	0.8 x 4.0 mm	Clamping range, max.	10 mm <sup>2</sup>
Clamping range, min.	0.22 mm <sup>2</sup>	Clamping screw	M 3.5
Connection cross-section, stranded, max.	10 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	0.8 Nm
Torque level with DMS electric screwdriver	3	Twin wire-end ferrules, max.	4 mm <sup>2</sup>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 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 with wire-end ferrules DIN 46228/4, max.	6 mm <sup>2</sup>
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, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

**Rating data**

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	800 V
Rated current	41 A	Current at maximum wires	57 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Power loss in accordance with IEC 60947-7-x	1.31 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	50 A
Voltage size C (UR)	600 V		

**Classifications**

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20		

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">CB Testreport</a> <a href="#">CB Certificate</a> <a href="#">ATEX Certificate</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">NTI WDU/WPE 6</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

Safety notice [Safety Information](#)

**Data sheet**

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**Drawings**



## W-Series WDU 6 WS

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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.

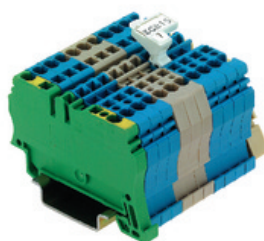
- High-quality and resistant printing with PrintJet
- WAD marker and cover for the W-series terminals and the WEW 35/2 or ZEW 35/2 end brackets
- Available as blank markers, with custom printing or standard print with lightning symbol
- Quick and easy installation

**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 8 MC NE WS	Version
Order No.	<a href="#">1112940000</a>	Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 white
GTIN (EAN)	4032248891825	
Qty.	48 pc(s).	
Type	WAD 8 MC NE GE	Version
Order No.	<a href="#">1112950000</a>	Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 yellow
GTIN (EAN)	4032248891696	
Qty.	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	ZGB 30	Version
Order No.	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	white
Qty.	20 pc(s).	
Type	ZGB 15	Version
Order No.	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	

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# Accessories

## WQV 6



### Klippon® Connect with clamping yoke Technology

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### General ordering data

Type	WQV 6/10	Version
Order No.	<a href="#">1052260000</a>	W-Series, Cross-connector, For the terminals, Number of poles: 10
GTIN (EAN)	4008190153977	
Qty.	20 pc(s).	
Type	WQV 6/3	Version
Order No.	<a href="#">1054760000</a>	W-Series, Cross-connector, For the terminals, Number of poles: 3
GTIN (EAN)	4008190174163	
Qty.	50 pc(s).	
Type	WQV 6/4	Version
Order No.	<a href="#">1054860000</a>	W-Series, Cross-connector, For the terminals, Number of poles: 4
GTIN (EAN)	4008190180799	
Qty.	50 pc(s).	
Type	WQV 6/2	Version
Order No.	<a href="#">1052360000</a>	W-Series, Cross-connector, For the terminals, Number of poles: 2
GTIN (EAN)	4008190075866	
Qty.	50 pc(s).	

## Partition plates



### Klippon® Connect with clamping yoke Technology

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### General ordering data

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

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**Accessories**

**End brackets**



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**General ordering data**

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

**End plates**



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**General ordering data**

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



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**Accessories**

**Test adapter**



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**General ordering data**

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

**Non-insulated sockets**



**Klippon® Connect with clamping yoke Technology**

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**General ordering data**

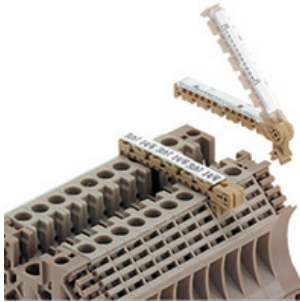
Type	STB 8.5/5/2.3/M3 SAK2.5	Version
Order No.	<a href="#">0280600000</a>	Accessories, Socket
GTIN (EAN)	4008190023188	
Qty.	50 pc(s).	

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## Accessories

### 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.

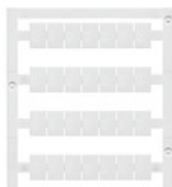
SchT 9/4 and SchT 14/6 are hinged group tag carriers for single dekafix and WS tags that enable easy access to the clamping screw.

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

Type	SCHT 7	Version
Order No.	<a href="#">0517960000</a>	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00
GTIN (EAN)	4008190001742	Weidmueller, white
Qty.	20 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

**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	WS 12/8 PLUS MC NE WS	Version
Order No.	<a href="#">1906000000</a>	WS, Terminal marker, 12 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,
GTIN (EAN)	4032248528158	white
Qty.	420 pc(s).	

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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

**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 5/8 MC NE WS	Version	
Order No.	<a href="#">1856740000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00	
GTIN (EAN)	4032248400850	Weidmueller, white	
Qty.	800 pc(s).		

**Shielding bus**



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**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 pc(s).		

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**Accessories**
**Test sockets**

**Current and voltage transformer wiring**

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

**General ordering data**

Type	STB 21.6/IH/BL WTL6/3	Version
Order No.	<a href="#">1071080000</a>	Accessories, Socket
GTIN (EAN)	4008190043957	
Qty.	50 pc(s).	
Type	STB 21.6/IH/GN WTL6/3	Version
Order No.	<a href="#">1071020000</a>	Accessories, Socket
GTIN (EAN)	4008190259228	
Qty.	50 pc(s).	
Type	STB 21.6/IH/GE WTL6/3	Version
Order No.	<a href="#">1071010000</a>	Accessories, Socket
GTIN (EAN)	4008190259211	
Qty.	50 pc(s).	
Type	STB 21.6/IH/WS WTL6/3	Version
Order No.	<a href="#">1312520000</a>	Accessories, Socket
GTIN (EAN)	4050118121704	
Qty.	50 pc(s).	
Type	STB 21.6/IH/RT WTL6/3	Version
Order No.	<a href="#">1778990000</a>	Accessories, Socket
GTIN (EAN)	4032248169665	
Qty.	50 pc(s).	
Type	STB 21.6/IH/DB WTL6/3	Version
Order No.	<a href="#">1071000000</a>	Accessories, Socket
GTIN (EAN)	4008190259204	
Qty.	50 pc(s).	
Type	STB 21.6/IH/VI WTL6/3	Version
Order No.	<a href="#">1071030000</a>	Accessories, Socket
GTIN (EAN)	4008190259235	
Qty.	50 pc(s).	
Type	STB 21.6/IH/SW WTL6/3	Version
Order No.	<a href="#">1071040000</a>	Accessories, Socket
GTIN (EAN)	4008190859985	
Qty.	50 pc(s).	