

**W-Series**  
**WDU 4 SW**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 1429-0  
 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 4 SW
Order No.	<a href="#">1020110000</a>
Version	Feed-through terminal, Screw connection, 4 mm <sup>2</sup> , 800 V, 32 A, Black
GTIN (EAN)	4008190297718
Qty.	100 pc(s).

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

Width	6.1 mm	Width (inches)	0.24 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	10.4 g
Net weight	9.45 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)	32 A
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Max. voltage (IECEX)	690 V
Current (IECEX)	32 A	Wire cross section max. (IECEX)	4 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 plug-in cross-connector, for screwable cross-connection, One end without connector	Tightening torque (clamping screw for aluminium conductors)	0.5 Nm
Tightening torque (clamping screw for copper conductors)	0.5...1 Nm	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)**

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.	1.5 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.	1.5 mm <sup>2</sup>

**Additional technical data**

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

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

Certificate No. (CSA)	200039-1057876	Current size B (CSA)	35 A
Current size C (CSA)	35 A	Voltage size C (CSA)	600 V
Wire cross section max. (CSA)	10 AWG	Wire cross section min. (CSA)	26 AWG

**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	6 mm <sup>2</sup>
Clamping range, rated connection, min.	0.13 mm <sup>2</sup>	Clamping screw	M 3
Connection direction	on side	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>
Gauge to IEC 60947-1	A4	Number of connections	2
Stripping length	10 mm	Tightening torque, max.	1 Nm
Tightening torque, min.	0.5 Nm	Torque level with DMS electric screwdriver	2
Twin wire-end ferrules, max.	2.5 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 10
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	6 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	6 mm <sup>2</sup>	Wire connection cross section, solid core, min. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	6 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>

**Rating data**

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	800 V
Rated current	32 A	Current at maximum wires	41 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	10 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	35 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. Rated voltage is 400 V when using the ZQV cross-connector For alternative colours, see section on W-series accessories
Descriptive text technical data	Note max. current of terminal (41 A) when using WQV!
Descriptive text accessories	Socket and test plug refer to W-series Accessories section Only 400 V when using the shielding rail LS 2,8 1056400000.

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CFAT_WDU_4.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_212_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_4.pdf</a>

**Safety note**

Safety notice [Safety Information](#)

**Data sheet**

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**Drawings**



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**Accessories**

**Test adapter**



**Klippon® Connect with clamping yoke Technology**

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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WTA 3/ZA WDU4	<a href="#">1632360000</a>	W-Series, Test adapter	4008190209704	25 pc(s).
WTA 3 WDU4	<a href="#">1632350000</a>	W-Series, Test adapter	4008190209711	25 pc(s).

**Shielding bus**



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**General ordering data**

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

**End brackets**



**Klippon® Connect with clamping yoke Technology**

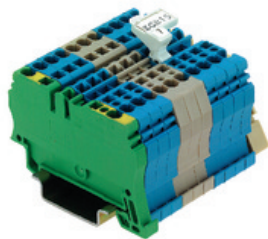
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**General ordering data**

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

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**Accessories**
**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 30	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 White	4008190002251	20 pc(s).
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).

**ZQV 4N**

**Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 4N/10 GE	<a href="#">1758260000</a>	Accessories, Cross-connector, 32 A	4032248169764	20 pc(s).
ZQV 4N/3 GE	<a href="#">1762630000</a>	Accessories, Cross-connector, 32 A	4032248169788	60 pc(s).
ZQV 4N/2 GE	<a href="#">1758250000</a>	Accessories, Cross-connector, 32 A	4032248169795	60 pc(s).
ZQV 4N/4 GE	<a href="#">1762620000</a>	Accessories, Cross-connector, 32 A	4032248169771	60 pc(s).
ZQV 4N/20 GE	<a href="#">1909020000</a>	Accessories, Cross-connector, 32 A	4032248535644	20 pc(s).

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**Accessories**

**WQV 4**



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Type	Order No.	Version	GTIN (EAN)	Qty.
WQV 4/4	<a href="#">1054660000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 4	4008190095758	50 pc(s).
WQV 4/2	<a href="#">1051960000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 2	4008190026486	50 pc(s).
WQV 4/3	<a href="#">1054560000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 3	4008190168971	50 pc(s).
WQV 4/10	<a href="#">1052060000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 10	4008190054687	20 pc(s).

**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).



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**Accessories**

**DEK 5/6**



**WS/ DEK**

MultiMark DEK/WS connector 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**

- Compatible with W, Z, P and SAK series terminal blocks
- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Space for multi-line printing

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/6 MM	<a href="#">2007120000</a>	Dekafix, Terminal marker,	4050118392104600	pc(s).
WS		5 x 6 mm, Weidmueller, White		

**Markers**



Extensive range of accessories for the FieldPower® boxes.  
 Cable seals, plug-in connectors, locking elements and much more.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 12/6 MC	<a href="#">1609900000</a>	WS, Terminal marker, 12 x	4008190203467600	pc(s).
NE WS		6 mm, Pitch in mm (P): 6.00 Weidmueller, Allen-Bradley, White		

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**Accessories**
**End plates**

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

**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.

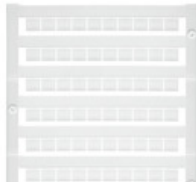
- High-quality and resistant printing with PrintJet
- WAD marker and cover for the W-series terminals and the WEW 35/2 or ZEW 35/2 end brackets
- Available as blank markers, with custom printing or standard print with lightning symbol
- Quick and easy installation

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WAD 5 MC	<a href="#">1112910000</a>	Group marker, Cover, 33.3 x 403224889	1689 48 pc(s).	
NE WS		5 mm, Pitch in mm (P): 5.00		
		White		
WAD 5 MC	<a href="#">1112920000</a>	Group marker, Cover, 33.3 x 403224889	1771 48 pc(s).	
NE GE		5 mm, Pitch in mm (P): 5.00		
		Yellow		

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**Accessories**
**Blank**


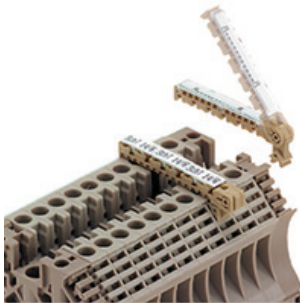
The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

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 5/6 MC	<a href="#">1609820000</a>	Dekafix, Terminal marker,	4008190203436	1,000 pc(s).
NE WS		5 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, White		

**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).

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**Accessories**

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SCHT 7    [0517960000](#)    SCHT, Terminal marker,    4008190001742 20 pc(s).  
39.3 x 8 mm, Pitch in mm  
(P): 7.00 White

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