

**W-Series
WDU 6 GN**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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 GN
Order No.	1020290000
Version	Feed-through terminal, Screw connection, 6 mm ² , 800 V, 41 A, green
GTIN (EAN)	4008 19086 1292
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	13.69 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	green
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 ²	Max. voltage (IECEX)	690 V
Current (IECEX)	41 A	Wire cross section max. (IECEX)	6 mm ²
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 ²	Wire cross-section, finely stranded, two clampable wires, max.	2.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	2.5 mm ²

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 6:50:30 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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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 ²
Clamping range, min.	0.22 mm ²	Clamping screw	M 3.5
Connection cross-section, stranded, max.	10 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
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 ²
Twin wire-end ferrules, min.	0.5 mm ²	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 ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 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 with wire-end ferrules DIN 46228/4, max.	6 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, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	10 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Dimensions

TS 35 offset	32 mm
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Rating data

Rated cross-section	6 mm ²	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	UNSPSC	30-21-18-11

Creation date May 1, 2020 6:50:30 AM CEST

Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate CB Testreport CB Certificate DE_PT1001_20160414_224_ISSUE01.pdf ATEX Certificate
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	NTI WDU/WPE 6 StorageConditionsTerminalBlocks

Safety note

Safety notice [Safety Information](#)

Data sheet

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Drawings



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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.	1112940000	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.	1112950000	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.	1611930000	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.	1636530000	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

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General ordering data

Type	WQV 6/10	Version
Order No.	1052260000	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.	1054760000	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.	1054860000	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.	1052360000	W-Series, Cross-connector, For the terminals, Number of poles: 2
GTIN (EAN)	4008190075866	
Qty.	50 pc(s).	

Partition plates

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General ordering data

Type	WTW EN	Version
Order No.	1058800000	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.	1061200000	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.	1050000000	W-Series, End plate
GTIN (EAN)	4008190103149	
Qty.	50 pc(s).	
Type	WAP 2.5-10 BL	Version
Order No.	1050080000	W-Series, End plate
GTIN (EAN)	4008190136611	
Qty.	50 pc(s).	
Type	WAP 16+35 WTW 2.5-10	Version
Order No.	1050100000	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.	1050180000	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.	1632350000	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

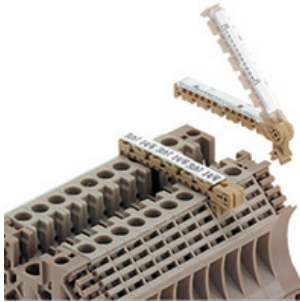
Type	STB 8.5/5/2.3/M3 SAK2.5	Version
Order No.	0280600000	Accessories, Socket
GTIN (EAN)	4008190023188	
Qty.	50 pc(s).	

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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.

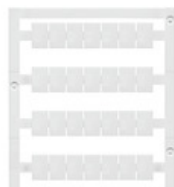
SchT 9/4 and SchT 14/6 are hinged group tag carriers for single dekafix and WS tags that enable easy access to the clamping screw.

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.	0517960000	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.	1906000000	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.	1856740000		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.	1056400000		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.	1071080000	Accessories, Socket
GTIN (EAN)	4008190043957	
Qty.	50 pc(s).	
Type	STB 21.6/IH/GN WTL6/3	Version
Order No.	1071020000	Accessories, Socket
GTIN (EAN)	4008190259228	
Qty.	50 pc(s).	
Type	STB 21.6/IH/GE WTL6/3	Version
Order No.	1071010000	Accessories, Socket
GTIN (EAN)	4008190259211	
Qty.	50 pc(s).	
Type	STB 21.6/IH/WS WTL6/3	Version
Order No.	1312520000	Accessories, Socket
GTIN (EAN)	4050118121704	
Qty.	50 pc(s).	
Type	STB 21.6/IH/RT WTL6/3	Version
Order No.	1778990000	Accessories, Socket
GTIN (EAN)	4032248169665	
Qty.	50 pc(s).	
Type	STB 21.6/IH/DB WTL6/3	Version
Order No.	1071000000	Accessories, Socket
GTIN (EAN)	4008190259204	
Qty.	50 pc(s).	
Type	STB 21.6/IH/VI WTL6/3	Version
Order No.	1071030000	Accessories, Socket
GTIN (EAN)	4008190259235	
Qty.	50 pc(s).	
Type	STB 21.6/IH/SW WTL6/3	Version
Order No.	1071040000	Accessories, Socket
GTIN (EAN)	4008190859985	
Qty.	50 pc(s).	