

**W-Series**  
**WDU 10 OR**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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 OR
Order No.	<a href="#">1020360000</a>
Version	Feed-through terminal, Screw connection, 10 mm <sup>2</sup> , 1000 V, 57 A, Orange
GTIN (EAN)	4008190864781
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	17.3 g		

**Temperatures**

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

Material	Wemid	Colour	Orange
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	Tightening torque (clamping screw for aluminium conductors)	1.2 Nm
Tightening torque (clamping screw for copper conductors)	1.2... 1.9 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)**

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 connection 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>

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**Technical data****Additional technical data**

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

**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	on side	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>
Gauge to IEC 60947-1	B6	Number of connections	2
Stripping length	12 mm	Tightening torque, max.	1.9 Nm
Tightening torque, min.	1.2 Nm	Torque level with DMS electric screwdriver	4
Twin wire-end ferrules, max.	6 mm <sup>2</sup>	Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 16	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, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	16 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross section, solid core, min. rated connection	1.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	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, 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		

**Data sheet**

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**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		

**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_122_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 [Safety Information](#)

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**Drawings**

