

W-Series
WDU 6**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

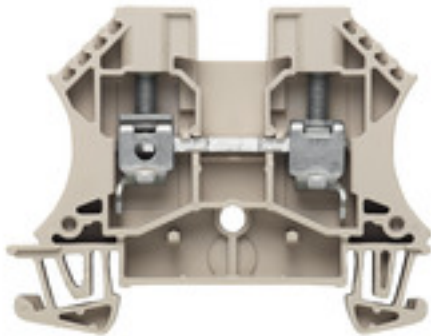
D-32758 Detmold

Germany

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**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
Order No.	1020200000
Version	Feed-through terminal, Screw connection, 6 mm ² , 800 V, 41 A, Dark Beige
GTIN (EAN)	4008190163440
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	12 g
Net weight	12.75 g		

Temperatures

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

Material	Wemid	Colour	Dark Beige
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)	550 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 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)	0.8 Nm
Tightening torque (clamping screw for copper conductors)	0.8...1.6 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 ²	Cross-section for connected wire, solid, two clampable wires, max.	2.5 mm ²
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

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Technical data
CSA rating data

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

Current size C (CSA)	50 A
Wire cross section max. (CSA)	8 AWG

Conductors for clamping (rated connection)

Blade size	0.8 x 4.0 mm
Clamping range, min.	0.22 mm ²
Connection cross-section, stranded, max.	10 mm ²
Connection direction	on side
Number of connections	2
Tightening torque, max.	1.6 Nm
Torque level with DMS electric screwdriver	3
Twin wire-end ferrules, min.	0.5 mm ²
Wire connection cross section AWG, max.	AWG 8
Wire connection cross section, finely stranded, max.	10 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, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	10 mm ²

Clamping range, max.	10 mm ²
Clamping screw	M 3.5
Connection cross-section, stranded, min.	1.5 mm ²
Gauge to IEC 60947-1	A5
Stripping length	12 mm
Tightening torque, min.	0.8 Nm
Twin wire-end ferrules, max.	4 mm ²
Type of connection	Screw connection
Wire connection cross section AWG, min.	AWG 26
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 46228/4, max.	6 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²

Rating data

Rated cross-section	6 mm ²
Rated current	41 A
Standards	IEC 60947-7-1
Rated impulse withstand voltage	8 kV

Rated voltage	800 V
Current at maximum wires	57 A
Volume resistance according to IEC 60947-7-x	0.78 mΩ
Pollution severity	3

UL rating data

Certificate No. (UR)	E60693
Conductor size Factory wiring min. (UR)	22 AWG
Conductor size Field wiring min. (UR)	22 AWG
Voltage size C (UR)	600 V

Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Field wiring max. (UR)	8 AWG
Current size C (UR)	50 A

Classifications

ETIM 3.0	EC000897
ETIM 5.0	EC000897
UNSPSC	30-21-18-11
eClass 6.2	27-14-11-20
eClass 8.1	27-14-11-20
eClass 9.1	27-14-11-20

ETIM 4.0	EC000897
ETIM 6.0	EC000897
eClass 5.1	27-14-11-20
eClass 7.1	27-14-11-20
eClass 9.0	27-14-11-20

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Technical data

Product information

Descriptive text ordering data	1000 VDC rated voltage tested. For colour versions, see section on W-series Accessories - specific functions.
Descriptive text technical data	Note max. current of terminal (57 A) when using WQV! Wire connection H07V..10 and AWG 8 with tightening torque of 1.4-1.6 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	CFAT_WDU 6.pdf IECEXULD14.0005U_e.pdf CB Test Zertifikat CB Zertifikat DE_PT1001_20160414_220_ISSUE01.pdf ACF-ATEX_4786180920
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN_WSCAD_Zuken E3.S
User Documentation	NTL_IECEX_WDU-WPE 6.pdf

Safety note

Safety notice	Safety Information
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Drawings

