

W-Series
WDU 16N

Weidmüller Interface GmbH & Co. KG
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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 16N
Order No.	1036100000
Version	Feed-through terminal, Screw connection, 16 mm ² , 690 V, 76 A, Dark Beige
GTIN (EAN)	4008190273217
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Width	12 mm	Width (inches)	0.472 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	24.85 g
Net weight	24.08 g		

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, for screwable cross- connection	End cover plate required	No
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	Yes

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

Wire connection cross section, finely stranded, two clampable wires, min.	1.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	4 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	4 mm ²

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	closed	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	70 A
Current size D (CSA)	5 A	Voltage size C (CSA)	300 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	14 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	25 mm ²
Clamping range, rated connection, min.	1.5 mm ²	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 ²
Gauge to IEC 60947-1	B7	Number of connections	2
Stripping length	12 mm	Tightening torque, max.	2.4 Nm
Tightening torque, min.	1.2 Nm	Torque level with DMS electric screwdriver	4
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	16 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross section, solid core max. rated connection	16 mm ²	Wire connection cross section, solid core, min. rated connection	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	25 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm ²	Wire connection cross-section, finely stranded, min.	1.5 mm ²

Rating data

Rated cross-section	16 mm ²	Rated voltage	690 V
Rated current	76 A	Current at maximum wires	101 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.42 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)	14 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	14 AWG	Current size B (UR)	70 A
Current size C (UR)	70 A	Voltage size B (UR)	600 V
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		

Product information

Descriptive text ordering data	1000 VDC rated voltage tested.
Descriptive text technical data	AWG 6/7 and H07V-R25 tighten with a tightening torque of 1.5 Nm.
Descriptive text accessories	Cross-connections, socket and test plug, see section "W series accessories".

Creation date September 19, 2017 10:35:02 PM CEST

Data sheet**W-Series
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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PT1001_20160414_147_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)**Safety note**

Safety notice

[Safety Information](#)

Data sheet

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Drawings

