

W-Series
WDU 70N/35

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 70N/35
Order No.	9512190000
Version	Feed-through terminal, Screw connection, 70 mm ² , 1000 V, 192 A, Dark Beige
GTIN (EAN)	4008190403874
Qty.	10 pc(s).

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Technical data**Dimensions and weights**

Width	20.5 mm	Width (inches)	0.807 inch
Height	75 mm	Height (inches)	2.953 inch
Depth	85 mm	Depth (inches)	3.346 inch
Depth including DIN rail	86 mm	Weight	130.8 g
Net weight	119.233 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)	184 A
Wire cross section max. (ATEX)	70 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	184 A	Wire cross section max. (IECEX)	70 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, closed	Tightening torque (clamping screw for aluminium conductors)	12 Nm
Tightening torque (clamping screw for copper conductors)	8...12 Nm	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)

Cross-section for connected wire, stranded, two clampable wires, min.	10 mm ²	Cross-section for connected wire, stranded, two clampable wires, max.	25 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	10 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	25 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	6 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	25 mm ²

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	Snap-on		

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Catalogue status 12.01.2018 / We reserve the right to make technical changes.

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Technical data**CSA rating data**

Certificate No. (CSA)	200039-1581431	Current size C (CSA)	150 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	0 AWG
Wire cross section min. (CSA)	6 AWG		

Conductors for clamping (rated connection)

Blade size	S6 (DIN 6911)	Clamping range, rated connection, max.	95 mm ²
Clamping range, rated connection, min.	16 mm ²	Clamping screw	M 8
Connection direction		Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	16 mm ²
	on side	Number of connections	2
Gauge to IEC 60947-1	B11	Tightening torque, max.	12 Nm
Stripping length	22 mm	Type of connection	Screw connection
Tightening torque, min.	8 Nm	Wire connection cross section AWG, min.	AWG 6
Wire connection cross section AWG, max.	AWG 0	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	16 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	70 mm ²	Wire connection cross section, solid core max. rated connection	16 mm ²
Wire connection cross section, finely stranded, max.	70 mm ²	Wire connection cross section, stranded, rated connection, max.	95 mm ²
Wire connection cross section, solid core, min. rated connection	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	50 mm ²
Wire connection cross section, stranded, rated connection, min.	16 mm ²		
Wire connection cross-section, finely stranded, min.	16 mm ²		

Rating data

Rated cross-section	70 mm ²	Rated voltage	1,000 V
Rated current	192 A	Current at maximum wires	232 A
Standards		Volume resistance according to IEC 60947-7-x	0.17 mΩ
Rated impulse withstand voltage	8 kV	IEC 60947-7-1	
		Pollution severity	3

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	0 AWG
Conductor size Factory wiring min. (cURus)	6 AWG	Conductor size Field wiring max. (cURus)	0 AWG
Conductor size Field wiring min. (cURus)	6 AWG	Current size C (cURus)	150 A
Voltage size C (cURus)	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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Data sheet

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Technical data

Product information

Descriptive text ordering data	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.
Descriptive text technical data	1000 V DC rated voltage tested.
Descriptive text accessories	Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm ² , 41 A). Cross-connections, see section "W series accessories".

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_WDU_70N_35.pdf IECEXULD14.0005U_e.pdf DE_PT1001_20160418_817_ISSUE01.pdf ACF-ATEX_4786180920
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI_IECEX_WDU-WPE 70N 35.pdf

Safety note

Safety notice [Safety Information](#)

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Drawings
