

W-Series
WDU 70N/35 BL

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 BL
Order No.	9512420000
Version	Feed-through terminal, Screw connection, 70 mm ² , 1000 V, 192 A, Blue
GTIN (EAN)	4008190403973
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	119.733 g		

Temperatures

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

Material	Wemid	Colour	Blue
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	Yes
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	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		

Creation date January 15, 2018 2:37:03 PM CET

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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	on side	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	16 mm ²
Gauge to IEC 60947-1	B11	Number of connections	2
Stripping length	22 mm	Tightening torque, max.	12 Nm
Tightening torque, min.	8 Nm	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 0	Wire connection cross section AWG, min.	AWG 6
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	70 mm ²	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, max.	70 mm ²	Wire connection cross section, solid core max. rated connection	16 mm ²
Wire connection cross section, solid core, min. rated connection	16 mm ²	Wire connection cross section, stranded, rated connection, max.	95 mm ²
Wire connection cross section, stranded, rated connection, min.	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, 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	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.17 mΩ
Rated impulse withstand voltage	8 kV	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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Catalogue status 12.01.2018 / We reserve the right to make technical changes.

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_818_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

