

WDU 70N/35**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

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

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	85 mm	Depth (inches)	3.346 inch
Depth including DIN rail	86 mm	Height	75 mm
Height (inches)	2.953 inch	Net weight	119.233 g
Weight	130.8 g	Width	20.5 mm
Width (inches)	0.807 inch		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

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
IEC Ex certificate	IECEXULD05.0008U_e.pdf	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)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	70 mm ²		
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, for screwable cross-connection, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
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, max.	25 mm ²	Cross-section for connected wire, stranded, two clampable wires, min.	10 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 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, two clampable wires, min.	10 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	25 mm ²

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Additional technical data

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

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, max.	95 mm ²
Clamping range, min.	16 mm ²	Clamping screw	M 8
Connection cross-section, stranded, max.	95 mm ²	Connection cross-section, stranded, min.	16 mm ²
Connection direction	on side	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, max.	70 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	70 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	16 mm ²
Wire connection cross-section, solid core, max.	16 mm ²	Wire connection cross-section, solid core, min.	16 mm ²

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 0
Wire connection cross section AWG, min.	AWG 6		

Rating data

Power loss in accordance with IEC 60947-7-x	6.14 W	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		

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Technical data

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
UL_current_Print	195 A	UL_voltage_Print	600 V
UL_wire_max_Print	0 AWG	UL_wire_min_Print	6 AWG
Voltage size C (cURus)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate EAC certificate INMETRO certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity ATEX Certificate Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 70N/35 StorageConditionsTerminalBlocks Instruction User documentation WZAD

Data sheet

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Drawings

