

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

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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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	Width	20.5 mm
Width (inches)	0.807 inch	Net weight	118.93 g

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
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 2014/34/EU label	II 2 G D		Ex eb II C Gb

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

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 22 October 2022 12:14:00 CEST

Catalogue status 07.10.2022 / We reserve the right to make technical changes.

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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, min.	16 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

Rated cross-section	70 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	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
Power loss in accordance with IEC 60947-7-x	6.14 W	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		

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Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	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	ECLASS 12.0	27-14-11-20

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate UKCA Ex Attestation of Conformity EAC certificate INMETRO certificate EAC EX Certificate CCC Ex Certificate UKCA Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals UKCA Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 70N/35 StorageConditionsTerminalBlocks Instruction Instruction User documentation WZAD
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings
