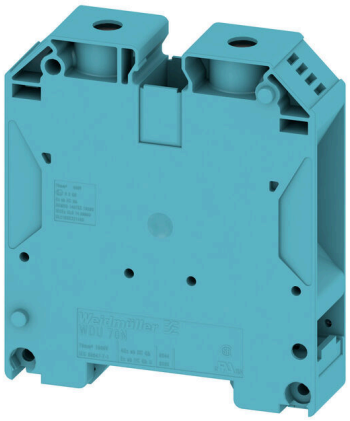
Data sheet

WDU 70N/35 BL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

General ordering data

Version	Feed-through terminal block, Screw connection, blue, 70 mm², 192 A, 1000 V, Number of connections: 2
Order No.	9512420000
Type	WDU 70N/35 BL
GTIN (EAN)	4008190403973
Qty.	10 items

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Technical data

Approvals

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

Dimensions and weights

Depth	85 mm	Depth (inches)	3.3464 inch
Depth including DIN rail	86 mm	Height	75 mm
Height (inches)	2.9527 inch	Width	20.5 mm
Width (inches)	0.8071 inch	Net weight	119.73 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption	
REACH SVHC	No SVHC above 0.1 wt%	
Product Carbon Footprint	Cradle to gate	0,658 kg CO2 eq.

Material data

Basic 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 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	184 A	Wire cross section max. (IECEX)	70 mm²
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
Mounting rail	TS 35	N-function	Yes
PE function	No	PEN function	Yes

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Technical data

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

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	25 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	6 mm²
Wire cross-section, finely stranded, two clampable wires, max.	25 mm²	Wire connection cross section, finely stranded, two clampable wires, min.	10 mm²
Cross-section for connected wire, stranded, two clampable wires, min.	10 mm²		

Additional technical data

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

CSA rating data

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

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B11	Wire connection cross section AWG, max.	AWG 0
Connection direction	on side	Tightening torque, max.	12 Nm
Tightening torque, min.	8 Nm	Stripping length	22 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	95 mm²	Clamping range, min.	16 mm²
Clamping screw	M 8	Blade size	S6 (DIN 6911)
Wire connection cross section AWG, min.	AWG 6	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	70 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	16 mm²	Wire connection cross section, finely stranded, max.	70 mm²
Wire connection cross section, finely stranded, min.	16 mm²	Connection cross-section, stranded, max.	95 mm²
Connection cross-section, stranded, min.	16 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	16 mm²	Connection cross-section, finely stranded, min.	16 mm²

General

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

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Technical data

Rating data

Rated cross-section	70 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal 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

Conductor size Factory wiring max. (cURus)	0 AWG	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	6 AWG	Conductor size Factory wiring min. (cURus)	6 AWG
Voltage size C (cURus)	600 V	Current size C (cURus)	150 A
Conductor size Field wiring max. (cURus)	0 AWG		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings