

WDU 95N/120N**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, dark beige, 120 mm ² , 269 A, 1000 V, Number of connections: 2
Order No.	1820550000
Type	WDU 95N/120N
GTIN (EAN)	4032248369300
Qty.	5 items

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Dimensions and weights

Depth	90 mm	Depth (inches)	3.5433 inch
Depth including DIN rail	91 mm	Height	91 mm
Height (inches)	3.5827 inch	Width	27 mm
Width (inches)	1.063 inch	Net weight	261.8 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 1,668 kg CO2 eq.

Material data

Basic 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)	880 V	Current (ATEX)	221 A
Wire cross section max. (ATEX)	120 mm ²	Max. voltage (IECEX)	880 V
Current (IECEX)	221 A	Wire cross section max. (IECEX)	120 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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	Yes

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

Cross-section for connected wire, solid, two clampable wires, max.	10 mm ²	Cross-section for connected wire, solid, two clampable wires, min.	35 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	35 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	10 mm ²
Wire cross-section, finely stranded, two clampable wires, max.	35 mm ²	Wire connection cross section, finely stranded, two clampable wires, min.	16 mm ²
Cross-section for connected wire, stranded, two clampable wires, max.	35 mm ²	Cross-section for connected wire, stranded, two clampable wires, min.	10 mm ²

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)	0000 AWG	Voltage size C (CSA)	1000 V
Current size C (CSA)	220 A	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	4 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B13	Wire connection cross section AWG, max.	kcmil 250
Connection direction	on side	Tightening torque, max.	20 Nm
Tightening torque, min.	12 Nm	Stripping length	27 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	150 mm ²	Clamping range, min.	16 mm ²
Clamping screw	M 10	Blade size	S6 (DIN 6911)
Wire connection cross section AWG, min.	AWG 4	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	95 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	95 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, max.	120 mm ²
Wire connection cross section, finely stranded, min.	16 mm ²	Connection cross-section, stranded, max.	150 mm ²
Connection cross-section, stranded, min.	16 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	16 mm ²	Connection cross-section, finely stranded, min.	16 mm ²

Dimensions

TS 32 offset	64.5 mm
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Technical data

General

Wire connection cross section AWG, max.	kcmil 250	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 4	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	120 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	269 A
Current at maximum wires	290 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.12 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	8.61 W	Pollution severity	3

UL rating data

Wire cross section min. (UR)	4 AWG	Wire cross section max. (UR)	250 kcmil
Conductor size Factory wiring max. (UR)	250 kcmil	Current size C (UR)	228 A
Voltage size C (UR)	1000 V	Conductor size Factory wiring min. (UR)	4 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	4 AWG
Conductor size Field wiring max. (UR)	250 kcmil		

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		

Drawings

