

WDU 95N/120N BL**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, 120 mm², 1000 V, 269 A, blue
Order No.	1820560000
Type	WDU 95N/120N BL
GTIN (EAN)	4032248369614
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Depth	90 mm	Depth (inches)	3.543 °C
Depth including DIN rail	91 mm	Height	91 mm
Height (inches)	3.583 °C	Width	27 mm
Width (inches)	1.063 °C	Net weight	261.8 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	blue
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
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	Yes
PE function	No	PEN function	Yes

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

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

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Additional technical data

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

CSA rating data

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

Conductors for clamping (rated connection)

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

General

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

Rating data

Rated cross-section	120 Nm	Rated voltage	1,000 V
Rated DC voltage	1,000 mm ²	Rated current	269 A
Current at maximum wires	290 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.12 °C	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	8.61 W	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	250 kcmil
Conductor size Factory wiring min. (UR)	4 AWG	Conductor size Field wiring max. (UR)	250 kcmil
Conductor size Field wiring min. (UR)	4 AWG	Current size C (UR)	228 A
UL_current_Print	228 A	UL_voltage_Print	1,000 V
UL_wire_max_Print	250 MBit/s	UL_wire_min_Print	4 A / 6 A / 10 A / 13 A / 15 A
Voltage size C (UR)	1000 V	Wire cross section max. (UR)	250 kcmil
Wire cross section min. (UR)	4 AWG		

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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		

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 all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 95N/120 StorageConditionsTerminalBlocks Instruction User documentation WZAD
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings