

**W-Series
WDU 95N/120N BL**

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The versatile and extensive range of products - from 0.05 mm² to 300 mm² - means that you have diverse options for your applications at your disposal.
Hardened steel for mechanical strength and high-quality tinned copper for optimum conductivity. All materials comply with RoHS requirements and have been tested to current environment guidelines.

General ordering data

Type	WDU 95N/120N BL
Order No.	1820560000
Version	W-Series, Feed-through terminal, Rated cross-section: 120 mm ² , Screw connection, Direct mounting, Blue
GTIN (EAN)	4032248369614
Qty.	5 pc(s).

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Technische Daten

Dimensions and weights

Length	91 mm	Width	27 mm
Height	90 mm	Height of lowest version	91 mm
Net weight	261.8 g		

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Rated data IECEx/ATEX

Certificate No. (ATEX)	KEMA98ATEX1683U	ATEX certificate	KEMA98ATEX1683U_d.pdf
ATEX certificate	KEMA98ATEX1683U_e.pdf	Max. voltage (ATEX)	880 V
Current (ATEX)	243 A	Wire cross section max. (ATEX)	120 mm²
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

2 clampable wires (H05V/H07V) same cross-section (rated connection)

Cross-section for connected wire, stranded, two clampable wires, min.	10 mm²	Cross-section for connected wire, stranded, two clampable wires, max.	35 mm²
Wire connection cross section, finely stranded, two clampable wires, min.	16 mm²	Wire cross-section, finely stranded, two clampable wires, max.	35 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	10 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	35 mm²

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Open sides	closed	Type of mounting	Snap-on
Version	Screw connection, for screwable cross-connection, closed		

CSA ratings data

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

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Clampable wires (rated connection)

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

Rated data

Rated cross-section	120 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	269 A
Current at maximum wires	290 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

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

Material data

Material	Wemid	Colour	Blue
UL 94 flammability rating	V-0		

System specifications

Product family	W-Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
No. of clamping points per level	2	Levels cross-connected internally	No
End cover plate required	No		

Classifications

ETIM 3.0	EC000897	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

Product information

Descriptive text ordering data	1000 VDC rated voltage tested. 1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.
Descriptive text accessories	Auxiliary connection for additional conductor "WZAD 95N/120N" 1859580000 (up to 10 mm ² , 41 A).

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Approvals

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ROHS

Conform

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Zeichnungen

