W-Series
WDU 95N/120N BL

Weidmüller Interface GmbH & Co. KG
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Klippon® Connect with clamping yoke Technology
The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	WDU 95N/120N BL
Order No.	1820560000
Version	Feed-through terminal, Screw connection, 120 mm², 1000 V, 269 A, Blue
GTIN (EAN)	4032248369614
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Width	27 mm	Width (inches)	1.063 inch
Height	91 mm	Height (inches)	3.583 inch
Depth	90 mm	Depth (inches)	3.543 inch
Depth including DIN rail	91 mm	Net weight	261.8 g

Temperatures

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 mm²	Max. voltage (IECEX)	880 V
Current (IECEX)	221 A	Wire cross section max. (IECEX)	120 mm²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	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, closed	Tightening torque (clamping screw for copper conductors)	12...20 Nm
End cover plate required	No	Number of potentials	1
Number of levels	1	No. 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		

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

Cross-section for connected wire, solid, two clampable wires, min.	35 mm²	Cross-section for connected wire, solid, two clampable wires, max.	10 mm²
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

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Technical data

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 mm²
Clamping range, min.	16 mm²	Clamping screw	M 10
Connection cross-section, stranded, max.	150 mm²	Connection cross-section, stranded, min.	16 mm²
Connection direction	on side	Gauge to IEC 60947-1	B13
Number of connections	2	Stripping length	27 mm
Tightening torque, max.	20 Nm	Tightening torque, min.	12 Nm
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 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	95 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	16 mm²
Wire connection cross-section, finely stranded, min.	16 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	16 mm²		

Rating data

Rated cross-section	120 mm²	Rated voltage	1,000 V
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 mΩ
Rated impulse withstand voltage	8 kV	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
Voltage size C (UR)	1000 V	Wire cross section max. (UR)	250 kcmil
Wire cross section min. (UR)	4 AWG		

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	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
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

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Technical data

Product information

Descriptive text ordering data	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.
Descriptive text technical data	1000 V DC rated voltage tested.
Instructions for accessories	Auxiliary connection for additional conductor "WZAD 95N/120N" 1859580000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_WDU 95N_120N.pdf IECEXULD14.0005U_e.pdf DE_PT1001_20160418_822_ISSUE01.pdf ACF-ATEX_4786180920
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	NTI_IECEx_WDU-WPE 95N_120.pdf

Safety note

Safety notice	Safety Information

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Drawings

Unikeyic Electronics

Global Electronic Components Distributor

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WeidmÃ¼ller:

1221360000 1779950000 1609820000 1804580000 024892 SAKS3 1121990000 1608830000 1760040000
1013450000 1818090500 1890260000 1950200000 9037380000 1031470000 1289470000 1784180000
2535780000 1786450000 1906650000 2642470000 1607520000 1608570000 1622940000 9456650000
0303620000 1124150000 1127570000 1649300000 8690200000 8951460000