

**W terminal feed-through terminal  
WDU 95N/120N**

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 16  
D-32758 Detmold  
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Fon: +49 5231 14-0  
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www.weidmueller.com



The versatile and extensive range of products - from 0.05 mm<sup>2</sup> to 300 mm<sup>2</sup> - 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**

Order No.	<a href="#">1820550000</a>
Type	WDU 95N/120N
Version	W terminal feed-through terminal, Feed-through terminal, Rated cross-section: 120 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4032248369300
Qty.	5 pc(s).

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### Technical data

#### Dimensions

Length	91 mm	Width	27 mm
Height	90 mm	Height of lowest version	91 mm

#### Temperatures

Operating temperature	Storage temperature
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#### Rated data IECEx/ATEX

Certificate No. (ATEX)	KEMA98ATEX1683U	ATEX certificate	KEMA98ATEX1683U_d.pdf
ATEX certificate	KEMA98ATEX1683U_e.pdf	max. voltage	880 V
Current (ATEX)	243 A	Wire cross section max. (ATEX)	120 mm <sup>2</sup>
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 mm <sup>2</sup>	Cross-section for connected wire, stranded, two clampable wires, max.	35 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	16 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	35 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	10 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	35 mm <sup>2</sup>

#### Additional technical data

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

#### 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		

#### 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 <sup>2</sup>	Clamping range, rated connection, max.	150 mm <sup>2</sup>
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 <sup>2</sup>	Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	16 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	150 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	120 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	16 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	95 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 4	Wire connection cross section AWG, max.	kcmil 250

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**Technical data**
**Dimensions**

TS 32 offset	64.5 mm
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**Rated data**

Rated cross-section	120 mm <sup>2</sup>	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		

**Strap connection**

Strap 1, min.	1 x 10 layers 16 x 0.8	Strap 1, max.	2 x 9 layers 16 x 0.8
Strap 2, min.	2 x 6 layers 9 x 0.8	Strap 2, max.	4 x 3 layers 9 x 0.8

**UL ratings data**

Certificate No. (UR)	E60693VOL1SEC71	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	dark beige
Flammability class UL 94	V-0		

**System specifications**

Product family	W terminal feed-through terminal	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
Mounting rail	TS 32	End cover plate required	No

**Classifications**

ETIM 2.0	EC000897	ETIM 3.0	EC000897
ETIM 4.0	EC000897	UNSPSC	30-21-18-11
eClass 4.1	27-14-11-20	eClass 5.1	27-14-11-20
eClass 6.0	27-14-11-20		

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**Technical data****Approvals**

Approvals

**Product information**

Note, technical data	Copper band strips can be used, refer to online catalogue When connecting the AWG conductor kcmil 250, the stripping length is 30 mm and the tightening torque is 16 Nm
Note, accessories	Auxiliary connection for the additional conductor "WZAD 95N/120N", order no. 1859580000 (up to 10 mm <sup>2</sup> , 41 A)

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**Drawings**

