W-Series
WDU 120/150 BL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Fon: +49 5231 14-0
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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 120/150 BL
Order No.	1024580000
Version	W-Series, Feed-through terminal, Rated cross-section: 120 mm², Screw connection, Direct mounting
GTIN (EAN)	4008190077198
Qty.	10 pc(s).

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Dimensions and weights

Length	132 mm	Width	32 mm
Height	117 mm	Height of lowest version	125.5 mm
Weight	529 g	Net weight	515.8 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)	KEMA98ATEX1686U	ATEX certificate	KEMA98ATEX1686U_d.pdf
ATEX certificate	KEMA98ATEX1686U_e.pdf	Max. voltage (ATEX)	1100 V
Current (ATEX)	234 A	Wire cross section max. (ATEX)	120 mm²
Voltage, cross-connection	CrossConnectionGuide.pdf	Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
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.	35 mm²	Cross-section for connected wire, stranded, two clampable wires, max.	70 mm²
Wire connection cross section, finely stranded, two clampable wires, min.	35 mm²	Wire cross-section, finely stranded, two clampable wires, max.	70 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	35 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	70 mm²

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	Snap-on	Version	Screw connection, for screwable cross-connection, closed

CSA ratings data

Certificate No. (CSA)	12400-241	Voltage size C (CSA)	600 V
Current size C (CSA)	285 A	Wire cross section max. (CSA)	250 AWG
Wire cross section min. (CSA)	2 AWG		

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Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	35 mm
Blade size	S6 (DIN 6911)	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	33.63 mm²
Clamping range, rated connection, max.	150 mm²	Clamping screw	M 10
Tightening torque, min.	10 Nm	Tightening torque, max.	20 Nm
Gauge to IEC 60947-1	B13	Wire connection cross section, stranded, rated connection, min.	35 mm²
Wire connection cross section, stranded, rated connection, max.	150 mm²	Wire connection cross section, finely stranded, max.	150 mm²
Wire connection cross-section, finely stranded, min.	35 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	35 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	150 mm²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	35 mm²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	50 mm²	Wire connection cross section AWG, min.	AWG 2
Wire connection cross section AWG, max.	kcmil 250		

Rated data

Rated cross-section	120 mm²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	269 A
Current at maximum wires	309 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)	225 A	Conductor size Factory wiring max. (UR)	250 kcmil
Conductor size Factory wiring min. (UR)	2 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
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
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		

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Product information

Descriptive text ordering data	For details on ribbon cable, see our online catalogue and for information on direct mounting, see section on W-series Accessories.
Descriptive text accessories	Auxiliary connection for the additional conductor "WZAD 120", order No. 1066100000 (up to 4 mm², 32 A).

Approvals

Approvals	
ROHS	Conform

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Zeichnungen

