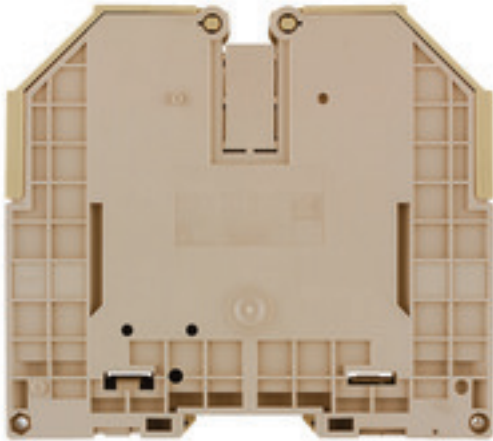


**W-Series**  
**WDU 120/150**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

Type	WDU 120/150
Order No.	<a href="#">1024500000</a>
Version	Feed-through terminal, Screw connection, 120 mm <sup>2</sup> , 1000 V, 269 A, Dark Beige
GTIN (EAN)	4008190164768
Qty.	10 pc(s).

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**Technical data**
**Dimensions and weights**

Width	32 mm	Width (inches)	1.26 inch
Height	132 mm	Height (inches)	5.197 inch
Depth	117 mm	Depth (inches)	4.606 inch
Depth including DIN rail	125.5 mm	Weight	540 g
Net weight	517.8 g		

**Temperatures**

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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**Material data**

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	1100 V	Current (ATEX)	265 A
Wire cross section max. (ATEX)	150 mm <sup>2</sup>	Max. voltage (IECEX)	1100 V
Current (IECEX)	265 A	Wire cross section max. (IECEX)	150 mm <sup>2</sup>
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 aluminium conductors)	15 Nm
Tightening torque (clamping screw for copper conductors)	10...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	No
PE function	No	PEN function	Yes

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

Cross-section for connected wire, stranded, two clampable wires, min.	35 mm <sup>2</sup>	Cross-section for connected wire, stranded, two clampable wires, max.	70 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	35 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	70 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	35 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	70 mm <sup>2</sup>

**Additional technical data**

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	Snap-on		

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**Technical data**
**CSA rating data**

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

**Conductors for clamping (rated connection)**

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

**Rating data**

Rated cross-section	120 mm <sup>2</sup>	Rated voltage	1,000 V
Rated current	269 A	Current at maximum wires	309 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)	2 AWG	Conductor size Field wiring max. (UR)	250 kcmil
Conductor size Field wiring min. (UR)	2 AWG	Current size C (UR)	225 A
Voltage size C (UR)	1000 V		

**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		

**Product information**

Descriptive text ordering data	For direct mounting see section W-Series, Accessories.
Instructions for accessories	Auxiliary connection for the additional conductor "WZAD 120", order no. 1066100000 (up to 4 mm <sup>2</sup> , 32 A). Cross-connections, see section "W series accessories".

Creation date November 6, 2018 3:34:34 PM CET

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CFAT_WDU_120_150.pdf</a> <a href="#">IECEXULD14.0005U_e.pdf</a> <a href="#">CB_Testreport</a> <a href="#">CB_Certificate</a> <a href="#">DE_PT1001_20160414_132_ISSUE01.pdf</a> <a href="#">ACF-ATEX_4786180920</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD_Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Beipackzettel_WDU70-95_120-150.pdf</a> <a href="#">NTI_IECEX_WDU-WPE_120_150.pdf</a>

**Safety note**

Safety notice [Safety Information](#)

**Data sheet**

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**Drawings**

