

W-Series
WDU 120/150**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

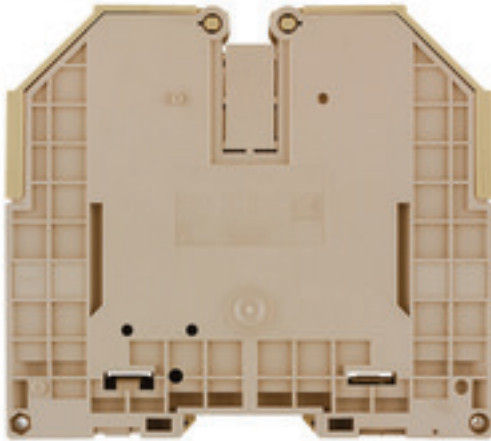
D-32758 Detmold

Germany

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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 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.	1024500000
Version	Feed-through terminal, Screw connection, 120 mm², 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 ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	265 A	Wire cross section max. (IECEX)	150 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex e II
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 ²	Cross-section for connected wire, stranded, two clampable wires, max.	70 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	35 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	70 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	35 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	70 mm ²

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

Rating data

Rated cross-section	120 mm ²	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		

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Technical data

Product information

Descriptive text ordering data	For direct mounting see section W-Series, Accessories.
Descriptive text accessories	Auxiliary connection for the additional conductor "WZAD 120", order no. 1066100000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_WDU_120_150.pdf IECEXULD14.0005U_e.pdf CB Test Zertifikat CB Zertifikat DE_PT1001_20160414_132_ISSUE01.pdf ACF-ATEX_4786180920
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN_WSCAD_Zuken E3.S
User Documentation	Beipackzettel_WDU70-95_120-150.pdf NTI_IECEX_WDU-WPE 120_150.pdf

Safety note

Safety notice	Safety Information
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Drawings

