

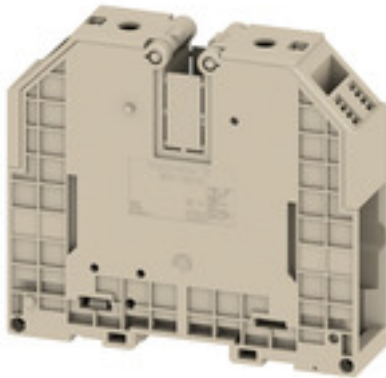
WDU 120/150**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

Version	Feed-through terminal, Screw connection, 120 mm ² , 1000 V, 269 A, dark beige
Order No.	1024500000
Type	WDU 120/150
GTIN (EAN)	4008190164768
Qty.	10 pc(s).

Creation date March 22, 2021 3:03:37 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	117 mm	Depth (inches)	4.606 inch
Depth including DIN rail	125.5 mm	Height	132 mm
Height (inches)	5.197 inch	Net weight	508.825 g
Weight	540 g	Width	32 mm
Width (inches)	1.26 inch		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

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 eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, for screwable cross-connection, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
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, max.	70 mm ²	Cross-section for connected wire, stranded, two 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	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, two clampable wires, min.	35 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	70 mm ²

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Additional technical data

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

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)			
Clampable conductor	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	35 mm ²	
		max.	150 mm ²	
	wire end ferrule	Stripping length	min.	35 mm
			max.	35 mm
			nominal	35 mm
	Tightening torque	min.	10 Nm	
		max.	20 Nm	
	Recommended wire-end ferrule			
	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	flexible, H05(07) V-K	
		min.	35 mm ²	
		max.	150 mm ²	
wire end ferrule	Stripping length	min.	35 mm	
		max.	35 mm	
		nominal	35 mm	
Tightening torque	min.	10 Nm		
	max.	20 Nm		
Recommended wire-end ferrule				
Clamping range, max.	150 mm ²			
Clamping range, min.	33.63 mm ²			
Clamping screw	M 10			
Connection cross-section, stranded, max.	150 mm ²			
Connection cross-section, stranded, min.	35 mm ²			
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 ²			

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	150 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	35 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	35 mm ²
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General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	kcmil 250
Wire connection cross section AWG, min.	AWG 2		

Rating data

Power loss in accordance with IEC 60947-7-x	8.61 W	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
UL_current_Print	225 A	UL_voltage_Print	1,000 V
UL_wire_max_Print	250 kcmil	UL_wire_min_Print	2 AWG
Voltage size C (UR)	1000 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate CB Testreport CB Certificate EAC certificate DNVGL certificate NEMKO certificate INMETRO certificate Lloyds Register Certificate MARITREG Certificate POLSKIREJ certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity ATEX Certificate Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Beipackzettel_WDU70-95_120-150.pdf NTI WDU/WPE 120/150 StorageConditionsTerminalBlocks Instruction

Data sheet

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Drawings

