

WDU 120/150 BL**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, blue
Order No.	1024580000
Type	WDU 120/150 BL
GTIN (EAN)	4008190077198
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	117 mm	Depth (inches)	4.606 °C
Depth including DIN rail	125.5 mm	Height	132 mm
Height (inches)	5.197 °C	Width	32 mm
Width (inches)	1.26 °C	Weight	529 g
Net weight	515.8 g		

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

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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 Nm	
		max.	150 Nm	
		nominal	120 Nm	
	wire end ferrule	Stripping length	min.	35 mm
			max.	35 mm
			nominal	35 mm
		Tightening torque	min.	10 inch
			max.	20 inch
		Recommended wire-end ferrule		
	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	flexible, H05(07) V-K	
		min.	35 Nm	
		max.	150 Nm	
		nominal	120 Nm	
	wire end ferrule	Stripping length	min.	35 mm
			max.	35 mm
			nominal	35 mm
		Tightening torque	min.	10 inch
			max.	20 inch
		Recommended wire-end ferrule		
Clamping range, max.	150 Nm			
Clamping range, min.	33.63 Nm			
Clamping screw	M 10			
Connection cross-section, stranded, max.	150 Nm			
Connection cross-section, stranded, min.	35 Nm			
Connection direction	on side			
Gauge to IEC 60947-1	B13			
Number of connections	2			
Stripping length	35 mm			
Tightening torque, max.	20 inch			
Tightening torque, min.	10 inch			
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 Nm			

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 150 Nm

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 35 Nm

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 50 Nm

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 35 Nm

General

Installation advice Direct mounting

Standards IEC 60947-7-1

Wire connection cross section AWG, min. AWG 2

Rail TS 35

Wire connection cross section AWG, max. kcmil 250

Rating data

Rated cross-section 120 Nm

Rated DC voltage 1,000 mm²

Current at maximum wires 309 A

Volume resistance according to IEC 60947-7-x 0.12 °C

Power loss in accordance with IEC 60947-7-x 8.61 W

Rated voltage 1,000 V

Rated current 269 A

Standards IEC 60947-7-1

Rated impulse withstand voltage 8 kV

Pollution severity 3

UL rating data

Certificate No. (UR) E60693

Conductor size Factory wiring min. (UR) 2 AWG

Conductor size Field wiring min. (UR) 2 AWG

UL_current_Print 225 A

UL_wire_max_Print 250 MBit/s

Voltage size C (UR) 1000 V

Conductor size Factory wiring max. (UR) 250 kcmil

Conductor size Field wiring max. (UR) 250 kcmil

Current size C (UR) 225 A

UL_voltage_Print 1,000 V

UL_wire_min_Print 2 A / 6 A / 10 A / 13 A / 15 A

Classifications

ETIM 6.0 EC000897

ETIM 8.0 EC000897

ECLASS 9.1 27-14-11-20

ECLASS 11.0 27-14-11-20

ETIM 7.0 EC000897

ECLASS 9.0 27-14-11-20

ECLASS 10.0 27-14-11-20

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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 Lloyds Register Certificate MARITREG Certificate POLSKIREJ certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity ATEX Certificate Declaration of Conformity all terminals
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
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

