

WDU 120/150

Weidmüller Interface GmbH & Co. KG

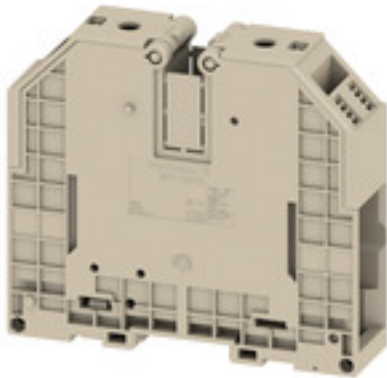
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal block, Screw connection, dark beige, 120 mm ² , 269 A, 1000 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid, 130 °C
Order No.	1024500000
Type	WDU 120/150
GTIN (EAN)	4008190164768
Qty.	10 pc(s).

Creation date November 26, 2024 12:01:57 PM CET

Catalogue status 26.11.2024 / 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	Width	32 mm
Width (inches)	1.26 inch	Net weight	508.825 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	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 2014/34/EU label	II 2 G D		Ex eb II C Gb

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

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 (additional connection)

Connection type, additional connection Screw connection

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	
		nominal	120 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		
nominal		120 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			
Wire connection cross section, finely stranded, min.	35 mm ²			

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

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

Rated cross-section	120 mm ²	Rated voltage	1,000 V
Rated DC 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
Power loss in accordance with IEC 60947-7-x	8.61 W	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 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01
ECLASS 14.0	27-25-01-01		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate CB Testreport CB Certificate NEMKO certificate Lloyds Register Certificate POLSKIREJ certificate DNV Certificate CCC Ex Certificate CE Declaration of Conformity ATEX Certificate UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel_WDU70-95_120-150.pdf NTI WDU/WPE 120/150 StorageConditionsTerminalBlocks Instruction
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

