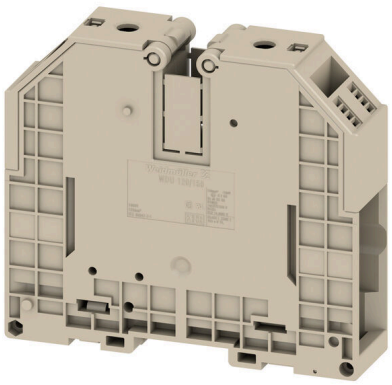
Data sheet

WDU 120/150

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

General ordering data

Version	Feed-through terminal block, Screw connection, dark beige, 120 mm², 269 A, 1000 V, Number of connections: 2
Order No.	1024500000
Type	WDU 120/150
GTIN (EAN)	4008190164768
Qty.	10 items

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Technical data

Approvals

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

Dimensions and weights

Depth	117 mm	Depth (inches)	4.6063 inch
Depth including DIN rail	125.5 mm	Height	132 mm
Height (inches)	5.1968 inch	Width	32 mm
Width (inches)	1.2598 inch	Net weight	508.82 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption	
REACH SVHC	No SVHC above 0.1 wt%	
Product Carbon Footprint	Cradle to gate	3,799 kg CO2 eq.

Material data

Basic 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 mm²	Max. voltage (IECEX)	1100 V
Current (IECEX)	265 A	Wire cross section max. (IECEX)	150 mm²
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

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Technical data

Number 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)

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	70 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	35 mm²
Wire cross-section, finely stranded, two clampable wires, max.	70 mm²	Wire connection cross section, finely stranded, two clampable wires, min.	35 mm²
Cross-section for connected wire, stranded, two clampable wires, max.	70 mm²	Cross-section for connected wire, stranded, two clampable wires, min.	35 mm²

Additional technical data

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

CSA rating data

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

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B13
Wire connection cross section AWG, max.	kcmil 250
Connection direction	on side
Tightening torque, max.	20 Nm
Tightening torque, min.	10 Nm
Stripping length	35 mm
Type of connection	Screw connection
Number of connections	2
Clamping range, max.	150 mm²
Clamping range, min.	33.63 mm²
Clamping screw	M 10
Blade size	S6 (DIN 6911)
Wire connection cross section AWG, min.	AWG 2
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	150 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	35 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	150 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	35 mm²

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Technical data

Wire connection cross section, finely stranded, max.	150 mm²			
Wire connection cross section, finely stranded, min.	35 mm²			
Connection cross-section, stranded, max.	150 mm²			
Connection cross-section, stranded, min.	35 mm²			
Wire connection cross-section, solid core, max.	150 mm²			
Wire connection cross-section, solid core, min.	35 mm²			
Clampable conductor	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	35 mm²	
		max.	150 mm²	
		nominal	120 mm²	
	wire end ferrule	Stripping length	min.	35 mm
			max.	35 mm
			nominal	35 mm
		Tightening torque	min.	10 Nm
			max.	20 Nm
	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	flexible, H05(07) V-K	
		min.	35 mm²	
		max.	150 mm²	
		nominal	120 mm²	
	wire end ferrule	Stripping length	min.	35 mm
			max.	35 mm
			nominal	35 mm
		Tightening torque	min.	10 Nm
			max.	20 Nm

General

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

Rating data

Rated cross-section	120 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal 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

Conductor size Factory wiring max. (UR)	250 kcmil	Current size C (UR)	225 A
Voltage size C (UR)	1000 V	Conductor size Factory wiring min. (UR)	2 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	2 AWG
Conductor size Field wiring max. (UR)	250 kcmil		

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Technical data

Classifications

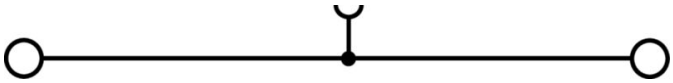
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ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings



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