

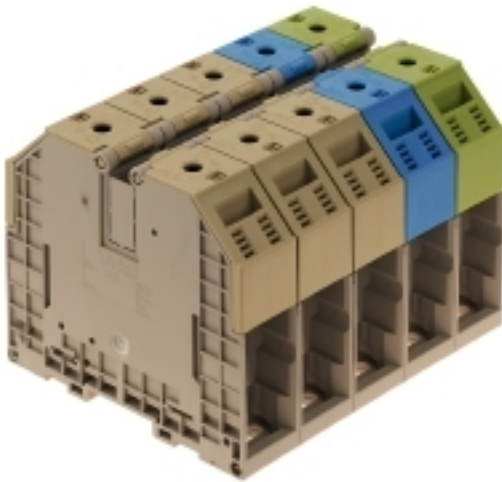
WDU 120/150/5 N**Weidmüller Interface GmbH & Co. KG**

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, Screw connection, 120 mm ² , 1000 V, 269 A, dark beige
Order No.	1032400000
Type	WDU 120/150/5 N
GTIN (EAN)	4008190132439
Qty.	2 pc(s).

Creation date March 3, 2023 6:08:06 PM CET

Catalogue status 18.02.2023 / 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
Height	132 mm	Height (inches)	5.197 inch
Width	160 mm	Width (inches)	6.299 inch
Net weight	2,610.25 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
N-function	No	PEN function	Yes

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	5	Open sides	closed
Type of mounting	Direct mounting		

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		

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Technical data

Conductors for clamping (rated connection)

Blade size	S6 (DIN 6911)	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, finely stranded, max.	70 mm ²
Wire connection cross section, finely stranded, min.	35 mm ²	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.	50 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.	16 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

General

Installation advice	Direct mounting	Standards	IEC 60947-7-1
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Rating data

Rated cross-section	120 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	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	EC001284	ETIM 7.0	EC001284
ETIM 8.0	EC001284	ECLASS 9.0	27-14-11-06
ECLASS 9.1	27-14-11-06	ECLASS 10.0	27-14-11-06
ECLASS 11.0	27-14-11-06	ECLASS 12.0	27-14-11-06

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Technical data

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	IECEX Certificate CB Testreport CB Certificate EAC certificate EAC EX Certificate CCC Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S
User Documentation	Beipackzettel_WDU70-95_120-150.pdf NTI WDU/WPE_120/150 StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

