

**W-Series
WDU 240**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany
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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

Type	WDU 240
Order No.	1802780000
Version	Feed-through terminal, Screw connection, 240 mm ² , 1000 V, 415 A, dark beige
GTIN (EAN)	4032248313723
Qty.	2 pc(s).

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Technical data
Dimensions and weights

Width	36 mm	Width (inches)	1.417 inch
Height	100 mm	Height (inches)	3.937 inch
Depth	123.7 mm	Depth (inches)	4.87 inch
Depth including DIN rail	124 mm	Net weight	472.5 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	55 °C
Storage temperature, min.	-25 °C	Storage temperature	-25 °C...55 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA01ATEX2186U	Max. voltage (ATEX)	1100 V
Current (ATEX)	350 A	Wire cross section max. (ATEX)	240 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 32, 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, min.	35 mm ²	Cross-section for connected wire, stranded, two clampable wires, max.	95 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	50 mm ²	Wire connection cross section, finely stranded, two clampable wires, max.	95 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 with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	50 mm ²

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Technical data**Additional technical data**

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

CSA rating data

Certificate No. (CSA)	213329	Current size C (CSA)	400 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	500 kcmil
Wire cross section min. (CSA)	0 AWG		

Conductors for clamping (rated connection)

Blade size	S8 (DIN 6911)	Clamping range, max.	240 mm ²
Clamping range, min.	70 mm ²	Clamping screw	M 10
Connection cross-section, stranded, max.	240 mm ²	Connection cross-section, stranded, min.	70 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B15
Number of connections	2	Stripping length	40 mm
Tightening torque, max.	30 Nm	Tightening torque, min.	25 Nm
Type of connection	Screw connection	Wire connection cross section, finely stranded, max.	240 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	185 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	70 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	185 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	70 mm ²
Wire connection cross-section, finely stranded, min.	70 mm ²		

Rating data

Rated cross-section	240 mm ²	Rated voltage	1,000 V
Rated current	415 A	Current at maximum wires	415 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.08 mΩ
Power loss in accordance with IEC 60947-7-x	13.28 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E175455	Current size C (UR)	380 A
Voltage size C (UR)	600 V	Wire cross section max. (UR)	500 kcmil

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	UNSPSC	30-21-18-11

Data sheet

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Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity CB Testreport CB Certificate ATEX Certificate EAC certificate INMETRO certificate DE_PT1001_20160418_789_ISSUE01.pdf Declaration of Conformity Terminals
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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Drawings

