

**W-Series  
WDU 240**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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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**

Type	WDU 240
Order No.	<a href="#">1802780000</a>
Version	Feed-through terminal, Screw connection, 240 mm <sup>2</sup> , 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.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °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 <sup>2</sup>
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 <sup>2</sup>	Cross-section for connected wire, stranded, two clampable wires, max.	95 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	50 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	95 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	35 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	50 mm <sup>2</sup>

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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 <sup>2</sup>
Clamping range, min.	70 mm <sup>2</sup>	Clamping screw	M 10
Connection cross-section, stranded, max.	240 mm <sup>2</sup>	Connection cross-section, stranded, min.	70 mm <sup>2</sup>
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 <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	185 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	70 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	185 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	70 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	70 mm <sup>2</sup>		

**Rating data**

Rated cross-section	240 mm <sup>2</sup>	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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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

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

**Safety note**

Safety notice	<a href="#">Safety Information</a>
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**Drawings**

