

**W-Series
WDU 240**

Weidmüller Interface GmbH & Co. KG
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The versatile and extensive range of products - from 0.05 mm² to 300 mm² - means that you have diverse options for your applications at your disposal.
Hardened steel for mechanical strength and high-quality tinned copper for optimum conductivity. All materials comply with RoHS requirements and have been tested to current environment guidelines.

General ordering data

Type	WDU 240
Order No.	1802780000
Version	W-Series, Feed-through terminal, Rated cross-section: 240 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4032248313723
Qty.	2 pc(s).

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Technische Daten

Dimensions and weights

Length	100 mm	Width	36 mm
Height	123.7 mm	Height of lowest version	124 mm
Net weight	472.5 g		

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Rated data IECEx/ATEX

Certificate No. (ATEX)	KEMA01ATEX2186U	ATEX certificate	KEMA01ATEX2186U_d.pdf
ATEX certificate	KEMA01ATEX2186U_e.pdf	Max. voltage (ATEX)	1100 V
Current (ATEX)	350 A	Wire cross section max. (ATEX)	240 mm²
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

2 clampable wires (H05V/H07V) same cross-section (rated connection)

Cross-section for connected wire, stranded, two clampable wires, min.	35 mm²	Cross-section for connected wire, stranded, two clampable wires, max.	95 mm²
Wire connection cross section, finely stranded, two clampable wires, min.	50 mm²	Wire cross-section, finely stranded, two clampable wires, max.	95 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	35 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	50 mm²

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting		Version	Screw connection, for screwable cross-connection, closed
	Snap-on		

CSA ratings data

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

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Clampable wires (rated connection)

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

Rated data

Rated cross-section	240 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	415 A
Current at maximum wires	415 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

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

Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

System specifications

Product family	W-Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 32, TS 35
End cover plate required	No		

Classifications

ETIM 3.0	EC000897	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

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Descriptive text ordering data	1000 VDC rated voltage tested.
Descriptive text technical data	Copper straps can be used; see online catalogue for possible connections.
Descriptive text accessories	Auxiliary connection for the additional conductor WZAD 240, order No. 180281000 (up to 10 mm ² , 57 A). Inlay profile ELPF for ribbon cable, order No. 1824680000.

Approvals

Approvals



ROHS

Conform

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Zeichnungen

