

**W-Series
WDU 240 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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www.weidmueller.com



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 BL
Order No.	1822210000
Version	W-Series, Feed-through terminal, Rated cross-section: 240 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4032248326969
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	502 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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Technische Daten

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	Blue
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

