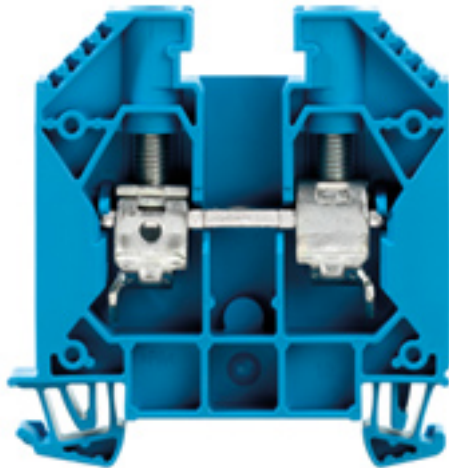


**W-Series
WDU 16 BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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 16 BL
Order No.	1020480000
Version	W-Series, Feed-through terminal, Rated cross-section: 16 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4008190126261
Qty.	50 pc(s).

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Technical data
Dimensions and weights

Length	60 mm	Width	11.9 mm
Height	62.5 mm	Height of lowest version	63 mm
Weight	31.2 g	Net weight	29.3 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)	KEMA98ATEX1683U	ATEX certificate	KEMA98ATEX1683U_d.pdf
ATEX certificate	KEMA98ATEX1683U_e.pdf	IEC Ex certificate	IECExULD05.0008U_e.pdf
Max. voltage (ATEX)	690 V	Current (ATEX)	66 A
Wire cross section max. (ATEX)	16 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

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

Wire connection cross section, finely stranded, two clampable wires, min.	1.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	4 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	4 mm ²

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on	Version	Screw connection, for screwable cross-connection, One end without connector

CSA ratings data

Certificate No. (CSA)	200039-1057876	Voltage size C (CSA)	600 V
Current size C (CSA)	85 A	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	18 AWG		

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Technical data
Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	16 mm
Blade size	1.0 x 5.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	0.82 mm ²
Clamping range, rated connection, max.	25 mm ²	Clamping screw	M 5
Tightening torque, min.	3 Nm	Tightening torque, max.	4 Nm
Gauge to IEC 60947-1	B7	Wire connection cross section, solid core, max. rated connection	1.5 mm ²
Wire connection cross section, solid core max. rated connection	16 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	25 mm ²	Wire connection cross section, finely stranded, max.	25 mm ²
Wire connection cross-section, finely stranded, min.	1.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	16 mm ²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm ²	Twin wire-end ferrules, min.	1.5 mm ²
Twin wire-end ferrules, max.	10 mm ²	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section AWG, max.	AWG 6		

Rated data

Rated cross-section	16 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	76 A
Current at maximum wires	101 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693VOL1SEC38	Voltage size C (UR)	600 V
Current size C (UR)	85 A	Conductor size Factory wiring max. (UR)	4 AWG
Conductor size Factory wiring min. (UR)	18 AWG	Conductor size Field wiring max. (UR)	4 AWG

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 35
End cover plate required	Yes		

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Technical data

Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-20
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

Product information

Descriptive text ordering data	Order No. 1020400000 and 1020480000 (blue) versions without pegs (50 pcs.)
Descriptive text technical data	Conductor connection H07V..16 and AWG 6 with tightening torque of 2.0-2.4 Nm.
Descriptive text accessories	Socket and test plug, see section "W-series accessories"

Approvals

Approvals



ROHS

Conform

Data sheet...

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Drawings

