W-Series
WDU 16/ZA

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
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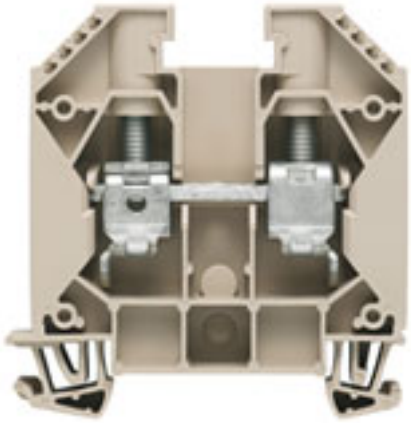

The versatile and extensive range of products - from 0.05 mm² to 300 mm² - means that you have diverse options for your applications at your disposal.
Hardened steel for mechanical strength and high-quality tinned copper for optimum conductivity. All materials comply with RoHS requirements and have been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

General ordering data

Type	WDU 16/ZA
Order No.	1028900000
Version	W-Series, Feed-through terminal, Rated cross-section: 16 mm², Screw connection, Direct mounting
GTIN (EAN)	4008190034443
Qty.	50 pc(s).

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Dimensions and weights

Length	60 mm	Width	11.9 mm
Height	62.5 mm	Height of lowest version	63 mm
Weight	31.16 g	Net weight	29.22 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	Max. voltage (ATEX)	690 V
Current (ATEX)	66 A	Wire cross section max. (ATEX)	16 mm²
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	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

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

Wire connection cross section, finely stranded, two clampable wires, min.	1.5 mm²	Wire cross-section, finely stranded, two clampable wires, max.	4 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	4 mm²

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, With assembly peg, 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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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 mm²
Clamping range, rated connection, max.	25 mm²	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 mm²
Wire connection cross section, solid core max. rated connection	16 mm²	Wire connection cross section, stranded, rated connection, min.	1.5 mm²
Wire connection cross section, stranded, rated connection, max.	25 mm²	Wire connection cross section, finely stranded, max.	25 mm²
Wire connection cross-section, finely stranded, min.	1.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	16 mm²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm²	Twin wire-end ferrules, min.	1.5 mm²
Twin wire-end ferrules, max.	10 mm²	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section AWG, max.	AWG 6		

Rated data

Rated cross-section	16 mm²	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)	E60693	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	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 35
End cover plate required	Yes		

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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		

Product information

Descriptive text ordering data	1000 VDC rated voltage tested. Order No. 1020400000 and 1020480000 (blue) versions without pegs (VPE 50).
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

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Zeichnungen

