

**W-Series
WDU 10 SW**

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 10 SW
Order No.	1020310000
Version	W-Series, Feed-through terminal, Rated cross-section: 10 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4008190343682
Qty.	50 pc(s).

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Technische Daten

Dimensions and weights

Length	60 mm	Width	9.9 mm
Height	46.5 mm	Height of lowest version	47 mm
Weight	18.46 g	Net weight	18.18 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)	50 A
Wire cross section max. (ATEX)	10 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)

Cross-section for connected wire, stranded, two clampable wires, min.	0.5 mm ²	Cross-section for connected wire, stranded, two clampable wires, max.	6 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	6 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	6 mm ²

Additional technical data

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

CSA ratings data

Certificate No. (CSA)	200039-1057876	Voltage size C (CSA)	600 V
Current size C (CSA)	65 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	12 mm
Blade size	1.0 x 5.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	1.31 mm ²
Clamping range, rated connection, max.	16 mm ²	Clamping screw	M 4
Tightening torque, min.	1.2 Nm	Tightening torque, max.	1.8 Nm
Torque level with DMS electric screwdriver	4	Gauge to IEC 60947-1	B6
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, max.	16 mm ²	Wire connection cross section, finely stranded, max.	16 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.	6 mm ²	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section AWG, max.	AWG 6		

Rated data

Rated cross-section	10 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	57 A
Current at maximum wires	76 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)	65 A	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	18 AWG	Conductor size Field wiring max. (UR)	6 AWG

Material data

Material	Wemid	Colour	Black
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. For alternative colours, see section on W-series accessories – specific functions.
Descriptive text technical data	Note max. current of terminal (76 A) when using WQV! Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.
Descriptive text accessories	Socket and test plug refer to W-series Accessories section Only 400 V when using the shielding rail LS 2,8 1056400000.

Approvals

Approvals



ROHS

Conform

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Zeichnungen

