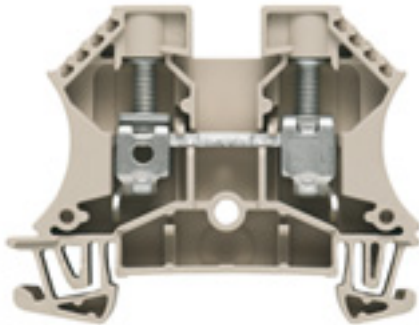


W-Series
WDU 10

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 10
Order No.	1020300000
Version	W-Series, Feed-through terminal, Rated cross-section: 10 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4008190068868
Qty.	50 pc(s).

**W-Series
WDU 10**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
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	16.9 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	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)	65 A	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	18 AWG		

W-Series
WDU 10

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**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.	1.5 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, min.	1.5 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)	E60693VOL1SEC38	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	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	No		

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		

Creation date August 6, 2013 10:43:22 AM CEST

**W-Series
WDU 10**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Product information

Descriptive text ordering data	For colour versions, 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

Data sheet...

W-Series
WDU 10

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

