W-Series
WDU 10/ZR

Weidmüller Interface GmbH & Co. KG
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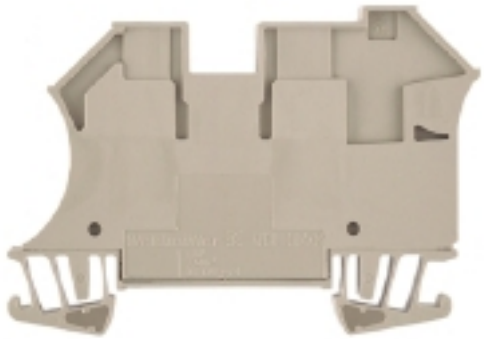

The versatile and extensive range of products - from 0.05 mm² to 300 mm² - means that you have diverse options for your applications at your disposal.
Hardened steel for mechanical strength and high-quality tinned copper for optimum conductivity. All materials comply with RoHS requirements and have been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

General ordering data

Type	WDU 10/ZR
Order No.	1042400000
Version	W-Series, Feed-through terminal, Rated cross-section: 10 mm², Screw connection, Direct mounting
GTIN (EAN)	4032248285655
Qty.	50 pc(s).

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Technische Daten

Dimensions and weights

Length	70 mm	Width	9.9 mm
Height	49 mm	Height of lowest version	49.5 mm
Net weight	22.234 g		

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

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

Wire connection cross section, finely stranded, two clampable wires, min.	1 mm²	Wire cross-section, finely stranded, two clampable wires, max.	6 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	6 mm²

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	Snap-on	Version	Screw connection, Additional connection, for screwable cross-connection, closed

CSA ratings data

Certificate No. (CSA)	200039-1352963	Voltage size C (CSA)	600 V
Current size C (CSA)	65 A	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	16 AWG		

Clampable wires (additional connection)

Clamping range, further connection, min.	0.21 mm²	Clamping range, further connection, max.	6 mm²
Rated cross-section, further connection	4 mm²	Connection direction	on side
Number of connections, additional connection	2	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm²		

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Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	12 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	1	Clamping range, rated connection, min.	1.31 mm²
Clamping range, rated connection, max.	16 mm²	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, A4
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.	16 mm²
Wire connection cross section, finely stranded, max.	16 mm²	Wire connection cross-section, finely stranded, min.	1 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.	6 mm²
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section AWG, max.	AWG 6

Dimensions

TS 35 offset	32 mm

Other connections

Number of connections, additional connection	2

Rated data

Rated cross-section	10 mm²	Rated voltage	800 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	Surge voltage category	III

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)	16 AWG	Conductor size Field wiring max. (UR)	6 AWG

Material data

Material	Wemid	Colour	Beige
UL 94 flammability rating	V-0		

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System specifications

Product family	W-Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Number of connections	1	No. of clamping points per level	3
Levels cross-connected internally	No	Mounting rail	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		

Product information

Descriptive text ordering data	The measurement data relates to the 10 mm² connection.
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. Upper right ZR connection A 4.
Descriptive text accessories	Socket and test plug, see section "W-series Accessories".

Approvals

Approvals	
ROHS	Conform

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Zeichnungen

