

**W-Series
WDU 50N 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 50N SW
Order No.	1298070000
Version	W-Series, Feed-through terminal, Rated cross-section: 50 mm ² , Screw connection, Direct mounting, Black
GTIN (EAN)	4050118096347
Qty.	10 pc(s).

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Technische Daten

Dimensions and weights

Length	70 mm	Width	18.5 mm
Height	69.6 mm	Height of lowest version	70.6 mm
Net weight	84.5 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)

Cross-section for connected wire, stranded, two clampable wires, min.	6 mm ²	Cross-section for connected wire, stranded, two clampable wires, max.	16 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	6 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	16 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	6 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	16 mm ²

Additional technical data

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

Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	24 mm
Blade size	S4 (DIN 6911)	Connection direction	on side
Clamping range, rated connection, min.	10 mm ²	Clamping range, rated connection, max.	70 mm ²
Clamping screw	M 6	Tightening torque, min.	3.5 Nm
Tightening torque, max.	6 Nm	Gauge to IEC 60947-1	B10
Wire connection cross section, solid core, max. rated connection	10 mm ²	Wire connection cross section, solid core max. rated connection	16 mm ²
Wire connection cross section, stranded, rated connection, min.	10 mm ²	Wire connection cross section, stranded, rated connection, max.	70 mm ²
Wire connection cross section, finely stranded, max.	50 mm ²	Wire connection cross-section, finely stranded, min.	10 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	10 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	50 mm ²

Rated data

Rated cross-section	50 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	150 A
Current at maximum wires	192 A	Standards	IEC 60947-7-1
Pollution severity	3	Surge voltage category	III

Material data

Material	Wemid	Colour	Black
UL 94 flammability rating	V-0		

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Technische Daten**System specifications**

Product family	W-Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
No. of clamping points per level	2	Levels cross-connected internally	No
Mounting rail	TS 35 x 7.5	End cover plate required	No

Classifications

eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
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Product information

Descriptive text ordering data	1000 VDC rated voltage tested. 1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.
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