

**W-Series  
WPE 50N**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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The PE terminals are available in two designs: standard and compact (N), with rated cross-section from 1.5 mm<sup>2</sup> to 150 mm<sup>2</sup> (e.g. 2.5 mm<sup>2</sup> – WPE 2.5 or 4 mm<sup>2</sup> – WPE 4N).

**General ordering data**

Type	WPE 50N
Order No.	<a href="#">1846040000</a>
Version	W-Series, PE terminal, Rated cross-section: 50 mm <sup>2</sup> , Screw connection, Direct mounting
GTIN (EAN)	4032248394548
Qty.	10 pc(s).

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## Technische Daten

### Dimensions and weights

Length	71 mm	Width	18.5 mm
Height	69.6 mm	Height of lowest version	70 mm
Net weight	126.143 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	Wire cross section max. (ATEX)	50 mm <sup>2</sup>
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

### Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	Screwed	Version	Screw connection, With PE connection, closed

### CSA ratings data

Certificate No. (CSA)	200039-1057876	Wire cross section max. (CSA)	0 AWG
Wire cross section min. (CSA)	14 AWG		

### Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	24 mm
Blade size	S4 (DIN 6911)	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	5.26 mm <sup>2</sup>
Clamping range, rated connection, max.	70 mm <sup>2</sup>	Clamping screw	M 6
Tightening torque, min.	4 Nm	Tightening torque, max.	6 Nm
Gauge to IEC 60947-1	B10	Wire connection cross section, solid core, max. rated connection	10 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	10 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	70 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	50 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	10 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	10 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	50 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section AWG, max.	AWG 0		

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**Rated data**

Rated cross-section	50 mm <sup>2</sup>	Rated voltage to adjoining terminal	1,000 V
Rated impulse withstand voltage to adjacent terminal	8 kV	Standards	IEC 60947-7-2
Pollution severity	3		

**UL ratings data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	0 AWG
Conductor size Factory wiring min. (UR)	10 AWG	Conductor size Field wiring max. (UR)	0 AWG

**Material data**

Material	Wemid	Colour	Yellow, Green
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
Number of potentials per level	1	Levels cross-connected internally	No
Mounting rail	TS 35	End cover plate required	No

**Classifications**

ETIM 3.0	EC000901	UNSPSC	30-21-18-11
eClass 5.1	27-14-03-05	eClass 6.2	27-14-03-05
eClass 7.1	27-14-03-05		

**Product information**

Descriptive text technical data	For 50 and 70 mm <sup>2</sup> , the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.
Descriptive text accessories	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

**Approvals**

Approvals



ROHS Conform

**Datenblatt**

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**Zeichnungen**

