

**W terminal earth terminal  
WPE 50N**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
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The PE terminals are available in two types, standard and compact (N), with rated cross-sections 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**

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

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**Technical data**

**Dimensions**

Length	71 mm	Width	18.5 mm
Height of lowest version	70 mm		

**Temperature**

Ambient temperature (operational)	Storage temperature
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**CSA ratings data**

Certificate no.	200039-1057876	Conductor cross-section, max.	0 AWG
Conductor cross-section, min.	14 AWG		

**UL ratings data**

Certificate no.	E60693VOL1SEC38	Conductor size Factory wiring, max	0 AWG
Conductor size Factory wiring, min	10 AWG	Conductor size Field wiring, max	0 AWG

**IECEX/ATEX rating data**

Certificate no.	KEMA98ATEX1683U	ATEX certificate	KEMA98ATEX1683U_d.pdf
ATEX certificate	KEMA98ATEX1683U_e.pdf	Conductor cross-section, max.	50 mm <sup>2</sup>
Voltage when using cross-connections		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		

**Material data**

Material	Wemid	Colour	yellow green
Flammability class UL 94	V-0		

**System specifications**

Product family	W terminal earth terminal	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
End cover plate required	No		

**Additional technical data**

Explosion-tested version	Yes	Installation advice	Direct mounting
Open sides	closed	Type of mounting	Screwed

**Conductors for clamping (additional connection)**

Type of connection	Screw connection	Clamping screw	M 6
Blade size	S4 (DIN 6911)	Tightening torque, max.	6 Nm
Tightening torque, min.	4 Nm		

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**Technical data**

**Conductors for clamping (rated connection)**

Type of connection	Screw connection	Stripping length	24 mm
Blade size	S4 (DIN 6911)	Connection direction	on side
Clamping range, min.	5.26 mm <sup>2</sup>	Clamping range, 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
Conductor cross-section, solid, min.	10 mm <sup>2</sup>	Conductor cross-section, solid, max.	16 mm <sup>2</sup>
Stranded, min.	10 mm <sup>2</sup>	Stranded, max.	70 mm <sup>2</sup>
Conductor cross-section, flexible, max.	50 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	10 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, max.	50 mm <sup>2</sup>		

**Rating data**

Rated cross-section	50 mm <sup>2</sup>	Standards	IEC 60947-7-2
Pollution severity	3		

**Approvals**

Approvals institutes	CSA; CURUSEX; GOSTEX; GOSTME25; KEMAATEX; UR; CE
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**Classifications**

ETIM 2.0	EC000901	ETIM 3.0	EC000901
UNSPSC	30-21-18-11	eClass 4.1	27-14-03-05
eClass 5.1	27-14-03-05	eClass 6.0	27-14-03-05

**Product notes**

Note, ordering data	UL, CSA and ATEX approvals in preparation.
Note, accessories	Rail support for insulated installation of terminal rail "SH 2" order no. 0494920000 (10 pcs)
Product description	Identical profiles from 2.5 to 10 mm <sup>2</sup> with uniform end and partition plates. An unsurpassed combination of many advantages!  Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

**Downloads**

STEP	<a href="#">1846040000_34011_WPE-50N_STP.stp</a>
3D model	

**Datasheet**

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**Drawings**

