

## WPE 50N IR

**Weidmüller Interfaces GmbH & Co. KG**

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### Product image



A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

### General ordering data

Version	PE terminal, Screw connection, 50 mm <sup>2</sup> , 6000 A (50 mm <sup>2</sup> ), Green/yellow
Order No.	<a href="#">1422430000</a>
Type	WPE 50N IR
GTIN (EAN)	4050118226119
Qty.	10 pc(s).

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## Technical data

### Dimensions and weights

Depth	69.6 mm	Depth (inches)	2.74 inch
Depth including DIN rail	70 mm	Height	71 mm
Height (inches)	2.795 inch	Width	18.5 mm
Width (inches)	0.728 inch	Net weight	126.143 g

### Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	130 °C		

### Material data

Material	Wemid	Colour	Green/yellow
UL 94 flammability rating	V-0		

### System specifications

Version	Screw connection, With PE connection, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35	N-function	No
PE function	Yes	PEN function	Yes

### Additional technical data

Installation advice	when screwed in	Interlock	for screw fixing
Number of similar terminals	1	Open sides	closed
Type of mounting	when screwed in		

### Conductors for clamping (rated connection)

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

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Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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## Technical data

### General

Installation advice	when screwed in	Rail	www.weidmueller.com
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 0
Wire connection cross section AWG, min.	AWG 14		

### PE rating data

Rated short-time current	6000 A (50 mm <sup>2</sup> )	Centre screw on PE terminals	M 5
Tightening torque range for fixing screw	3.0...4.0 Nm	PEN function	Yes

### Rating data

Rated cross-section	50 mm <sup>2</sup>	Rated voltage to adjoining terminal	1,000 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.21 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	4.8 W
Pollution severity	3		

### Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41
ECLASS 11.0	27-14-11-41	ECLASS 12.0	27-14-11-41

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1007fa59-32ea-4163-aa91-1482deede565

### Approvals

Approvals



ROHS Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">EAC certificate</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">Instruction</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

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**Drawings**

