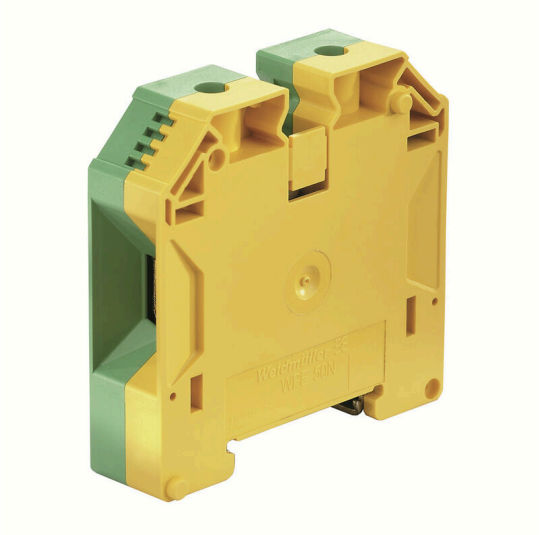
Data sheet

WPE 50N IR

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

General ordering data

Version	PE terminal, Screw connection, Green/yellow, 50 mm², 1000 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid
Order No.	1422430000
Type	WPE 50N IR
GTIN (EAN)	4050118226119
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Last order date	2027-04-30T00:00:00+02:00
Alternative product	WPE 50N

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	69.6 mm	Depth (inches)	2.7402 inch
Depth including DIN rail	70 mm	Height	71 mm
Height (inches)	2.7953 inch	Width	18.5 mm
Width (inches)	0.7283 inch	Net weight	126.14 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...85 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption	
RoHS Exemption (if applicable/known)	6c	
REACH SVHC	Lead 7439-92-1	
SCIP	1007fa59-32ea-4163-aa91-1482deede565	
Product Carbon Footprint	Cradle to gate	1.712 kg CO2 eq.

Material data

Basic 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
Mounting rail	TS 35	N-function	No
PE function	Yes	PEN function	Yes

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Wire connection cross-section, finely stranded with wire end ferrules (DIN 46228/1) (2 clampable wires), max.	16 mm²	Wire connection cross-section, finely stranded with wire end ferrules (DIN 46228/1) (2 clampable wires), min.	6 mm²
Wire cross-section, finely stranded (two clampable wires), max.	16 mm²	Wire connection cross-section, finely stranded (two clampable wires), min.	6 mm²
Cross-section for connected wire, stranded, (two clampable wires), max.	16 mm²	Cross-section for connected wire, stranded, (two clampable wires), min.	6 mm²

Additional technical data

Open sides	closed	Number of similar terminals	1
Installation advice	when screwed in	Explosion-tested version	No

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Technical data

Type of mounting	when screwed in	Locking	for screw fixing

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B10	Wire connection cross section AWG, max.	AWG 0
Connection direction	on side	Tightening torque, max.	6 Nm
Tightening torque, min.	4 Nm	Stripping length	24 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	70 mm²	Clamping range, min.	10 mm²
Clamping screw	M 6	Blade size	S4 (DIN 6911)
Wire connection cross section AWG, min.	AWG 14	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	50 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm²
Wire connection cross-section, finely stranded, max.	50 mm²	Wire connection cross section, finely stranded, min.	10 mm²
Connection cross-section, stranded, max.	70 mm²	Connection cross-section, stranded, min.	5.26 mm²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	10 mm²
Connection cross-section, finely stranded (rated connection), min.	10 mm²		

General

Wire connection cross section AWG, max.	AWG 0	Installation advice	when screwed in
Wire connection cross section AWG, min.	AWG 14	Standards	IEC 60947-7-2
Mounting rail	TS 35		

PE rating data

Rated short-time current	6000 A (50 mm²)	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 mm²	Rated voltage to adjoining terminal	1000 V
Rated DC voltage	1000 V	Standards	IEC 60947-7-2
Volume resistance	0.21 mΩ	Rated impulse withstand voltage to adjacent terminal	8 kV
Power loss in accordance with IEC 60947-7-x	0.00 W	Pollution severity	3

Classifications

ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		

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Drawings

