

WPE 10/ZR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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, Green/yellow, 10 mm², 1000 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid
Order No.	1042500000
Type	WPE 10/ZR
GTIN (EAN)	4032248285679
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	49 mm	Depth (inches)	1.929 inch
Depth including DIN rail	49.5 mm	Height	66 mm
Height (inches)	2.598 inch	Width	9.9 mm
Width (inches)	0.39 inch	Net weight	32.32 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Material data

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

System specifications

Version	Screw connection, Additional 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	3	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	No

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

Cross-section for connected wire, solid, two clampable wires, max.	6 mm ²	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm ²
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Additional technical data

Explosion-tested version	No	Installation advice	when screwed in
Interlock	for screw fixing	Number of similar terminals	1
Open sides	closed	Type of mounting	when screwed in

CSA rating data

Certificate No. (CSA)	200039-1057876	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	14 AWG		

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Conductors for clamping (additional connection)

Blade size, additional connection	0.6 x 3.5 mm	Clamping range, further connection, max.	6 mm ²
Clamping range, further connection, min.	0.33 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	16 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	1.5 mm ²	Conductor cross-section, flexible, further connection, min.	0.5 mm ²
Connection direction	on side	Connection type, additional connection	Screw connection
Cross-section for connected wire, AWG, additional connection, max.	AWG 10	Cross-section for connected wire, AWG, additional connection, min.	AWG 26
Cross-section for connected wire, flexible, further connection, max.	4 mm ²	Cross-section for connected wire, multi-core, further connection, max.	4 mm ²
Cross-section for connected wire, multi-core, further connection, min.	1.5 mm ²	Cross-section for connected wire, solid-core, further connection, max.	6 mm ²
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm ²	Number of connections, additional connection	1
Rated cross-section, further connection	4 mm ²	Stripping length, additional connection	10 mm
Terminal screw, additional connection	M 3	Tightening torque, additional connection, max.	1 Nm
Tightening torque, additional connection, min.	0.5 Nm		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	16 mm ²
Clamping range, min.	1.31 mm ²	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B6, A4
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.9 Nm	Tightening torque, min.	1.2 Nm
Torque level with DMS electric screwdriver	4	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section, finely stranded, max.	16 mm ²	Wire connection cross section, finely stranded, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²
Wire connection cross-section, solid core, max.	16 mm ²	Wire connection cross-section, solid core, min.	1.5 mm ²

Dimensions

TS 35 offset	32 mm
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General

Installation advice	when screwed in	Rail	TS 35
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 14		

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PE rating data

Rated short-time current 1200 A (10 mm²)

Tightening torque range for fixing screw 0.5...1.0 Nm

Centre screw on PE terminals

M 3

PEN function

No

Rating data

Rated cross-section 10 mm²

Rated DC voltage 1,000 V

Volume resistance according to IEC 60947-7-x 0.56 mΩ

Power loss in accordance with IEC 60947-7-x 1.82 W

Rated voltage to adjoining terminal 1,000 V

Standards IEC 60947-7-2

Rated impulse withstand voltage to adjacent terminal 8 kV

Pollution severity

3

UL rating data

Certificate No. (UR) E60693

Conductor size Factory wiring min. (UR) 16 AWG

Conductor size Field wiring min. (UR) 16 AWG

Conductor size Factory wiring max. (UR) 6 AWG

Conductor size Field wiring max. (UR) 6 AWG

Classifications

ETIM 6.0 EC000901

ETIM 8.0 EC000901

ETIM 10.0 EC000901

ECLASS 9.1 27-14-11-41

ECLASS 11.0 27-14-11-41

ECLASS 13.0 27-25-01-03

ECLASS 15.0 27-25-01-03

ETIM 7.0 EC000901

ETIM 9.0 EC000901

ECLASS 9.0 27-14-11-41

ECLASS 10.0 27-14-11-41

ECLASS 12.0 27-14-11-41

ECLASS 14.0 27-25-01-03

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

Approvals

Approvals



Approvals MAMID https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/

ROHS Conform

UL File Number Search UL Website

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Technical data

Downloads

Approval/Certificate/Document of Conformity	CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

