

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

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com

**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	WPE 10/ZR
Order No.	1042500000
Version	PE terminal, Screw connection, 10 mm², 1200 A (10 mm²), green / yellow
GTIN (EAN)	4032248285679
Qty.	50 pc(s).

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Technical data
Dimensions and weights

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

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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Material data

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

System specifications

Version	Screw connection, Additional connection, With PE connection, closed	Tightening torque (mounting screw)	0.5...1 Nm
Tightening torque (clamping screw for copper conductors)	1.2...1.9 Nm	End cover plate required	No
Number of potentials	1	Number of levels	1
No. of clamping points per level	3	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	No

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

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

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

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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Technical data

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, rated connection, max.	16 mm ²
Clamping range, rated connection, min.	1.31 mm ²	Clamping screw	M 4
Connection direction	on side	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm ²
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 with wire-end ferrules DIN 46228/1, rated connection, max.	16 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross section, solid core max. rated connection	16 mm ²	Wire connection cross section, solid core, min. rated connection	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	16 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm ²	Wire connection cross-section, finely stranded, min.	1.5 mm ²

Dimensions

TS 35 offset	32 mm
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Technical data
PE rating data

Rated short-time current	1200 A (10 mm ²)	Centre screw on PE terminals	M 3
Tightening torque range for fixing screw	0.5...1.0 Nm	PEN function	No

Rating data

Rated cross-section	10 mm ²	Rated voltage to adjoining terminal	1,000 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	16 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	16 AWG		

Classifications

ETIM 3.0	EC000901	ETIM 4.0	EC000901
ETIM 5.0	EC000901	ETIM 6.0	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
eClass 8.1	27-14-11-41	eClass 9.0	27-14-11-41
eClass 9.1	27-14-11-41		

Product information

Descriptive text technical data	Max. conductor cross-sections refer to 10 mm ² and 16 mm ² connections. Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.
Descriptive text accessories	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PT1002_20160414_248_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S

Safety note

Safety notice	Safety Information
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Drawings

