

W-Series
WPE 4/ZR

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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 4/ZR
Order No.	1905120000
Version	PE terminal, Screw connection, 4 mm ² , 480 A (4 mm ²), green / yellow
GTIN (EAN)	4032248523375
Qty.	50 pc(s).

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Technical data
Dimensions and weights

Width	6.1 mm	Width (inches)	0.24 inch
Height	63.5 mm	Height (inches)	2.5 inch
Depth	52.8 mm	Depth (inches)	2.079 inch
Depth including DIN rail	53.3 mm	Net weight	15.957 g

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Wire cross section max. (ATEX)	4 mm ²	Wire cross section max. (IECEX)	4 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

System specifications

Version	Screw connection, Additional connection, With PE connection, One end without connector	Tightening torque (clamping screw for copper conductors)	0.5...0.8 Nm
End cover plate required	Yes	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		

Additional technical data

Installation advice	Screwed	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1057876	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	30 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.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 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.	0.5 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.	0.8 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.	6 mm ²
Clamping range, min.	0.05 mm ²	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm ²	Connection cross-section, stranded, min.	0.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A4
Number of connections	2	Stripping length	10 mm
Tightening torque, max.	0.8 Nm	Tightening torque, min.	0.5 Nm
Torque level with DMS electric screwdriver	2	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	6 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Dimensions

TS 35 offset	28 mm
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PE rating data

Rated short-time current	480 A (4 mm ²)	PEN function	No
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Technical data

Rating data

Rated cross-section	4 mm ²	Rated voltage to adjoining terminal	800 V
Rated current	8 A	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage to adjacent terminal	8 kV
Pollution severity	3		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	30 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	30 AWG		

Classifications

ETIM 3.0	EC000901	ETIM 4.0	EC000491
ETIM 5.0	EC000491	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

Instructions for 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	CFAT_WPE 4_ZR.pdf IECEXULD14.0005U_e.pdf DE_PT1002_20160414_258_ISSUE01.pdf ACF-ATEX_4786180920
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN_WSCAD_Zuken E3.S
Engineering Data	STEP
User Documentation	NTI_IECEX_WDU-WPE 4_ZR.pdf

Safety note

Safety notice [Safety Information](#)

Data sheet

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Drawings

