

**W-Series**  
**WPE 1.5/ZZ**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
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**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 1.5/ZZ
Order No.	<a href="#">1016500000</a>
Version	PE terminal, Screw connection, 1.5 mm <sup>2</sup> , 180 A (1.5 mm <sup>2</sup> ), green / yellow
GTIN (EAN)	4008190170738
Qty.	100 pc(s).

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**Technical data****Dimensions and weights**

Width	5.1 mm	Width (inches)	0.201 inch
Height	60 mm	Height (inches)	2.362 inch
Depth	46.5 mm	Depth (inches)	1.831 inch
Depth including DIN rail	47 mm	Net weight	18.318 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)	1.5 mm <sup>2</sup>	Wire cross section max. (IECEX)	1.5 mm <sup>2</sup>
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, Twin connection, With PE connection, One end without connector	Tightening torque (mounting screw)	0.4...0.6 Nm
Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm	End cover plate required	Yes
Number of potentials	1	Number of levels	1
No. of clamping points per level	4	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**

Explosion-tested version	Yes	Installation advice	Screwed
Interlock	for screw fixing	Number of similar terminals	1
Open sides	right	Type of mounting	Screwed

**CSA rating data**

Certificate No. (CSA)	200039-1057876	Wire cross section max. (CSA)	14 AWG
Wire cross section min. (CSA)	26 AWG		

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**Technical data**
**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	2.5 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Clamping screw	M 2.5
Connection cross-section, stranded, max.	2.5 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A1
Number of connections	4	Stripping length	7 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric screwdriver	1	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	1.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

**Dimensions**

TS 35 offset	32 mm
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**PE rating data**

Rated short-time current	180 A (1.5 mm <sup>2</sup> )	Centre screw on PE terminals	M 2.5
Tightening torque range for fixing screw	0.4...0.6 Nm	PEN function	No

**Rating data**

Rated cross-section	1.5 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1.83 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)	14 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	14 AWG
Conductor size Field wiring min. (UR)	22 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		

**Data sheet**

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**Technical data**

**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	<a href="#">CFAT_WPE 1.5_ZZ.pdf</a> <a href="#">IECEXULD14.0005U_e.pdf</a> <a href="#">DE_PT1002_20160414_246_ISSUE01.pdf</a> <a href="#">ACF-ATEX_4786180920</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">NTI_IECEX_WDU-WPE 2.5 1.5 ZR.pdf</a>

**Safety note**

Safety notice      [Safety Information](#)

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**Drawings**

