

**WPE 2.5/1.5/ZR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****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**

Version	PE terminal, Screw connection, 2.5 mm <sup>2</sup> , 300 A (2.5 mm <sup>2</sup> ), Green/yellow
Order No.	<a href="#">1016400000</a>
Type	WPE 2.5/1.5/ZR
GTIN (EAN)	4008 190054021
Qty.	50 pc(s).

## WPE 2.5/1.5/ZR

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## Technical data

### Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.362 inch	Net weight	18.028 g
Width	5.1 mm	Width (inches)	0.201 inch

### Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	120 °C

### 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
IEC Ex certificate	IECEXULDO5.0008U_e.pdf	Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>
Wire cross section max. (IECEX)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	2.5 mm <sup>2</sup>		
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

### System specifications

Version	Screw connection, Additional connection, With PE connection, One end without connector	End cover plate required	Yes
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.	2.5 mm <sup>2</sup>	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm <sup>2</sup>

### Additional technical data

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

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Technical data

### CSA rating data

Certificate No. (CSA)	200039-1057876	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

### Conductors for clamping (additional connection)

Blade size, additional connection	0.6 x 3.5 mm	Clamping range, further connection, max.	2.5 mm <sup>2</sup>
Clamping range, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible, further connection, min.	0.5 mm <sup>2</sup>
Connection direction	on side	Connection type, additional connection	Screw connection
Cross-section for connected wire, AWG, additional connection, max.	AWG 14	Cross-section for connected wire, AWG, additional connection, min.	AWG 26
Cross-section for connected wire, flexible, further connection, max.	1.5 mm <sup>2</sup>	Cross-section for connected wire, multi-core, further connection, max.	1.5 mm <sup>2</sup>
Cross-section for connected wire, multi-core, further connection, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, solid-core, further connection, max.	2.5 mm <sup>2</sup>
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm <sup>2</sup>	Number of connections, additional connection	2
Rated cross-section, further connection	1.5 mm <sup>2</sup>	Stripping length, additional connection	10 mm
Terminal screw, additional connection	M 2.5	Tightening torque, additional connection, max.	0.6 Nm
Tightening torque, additional connection, min.	0.4 Nm		

### Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.05 mm <sup>2</sup>	Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	1	Stripping length	10 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.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 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.	2.5 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, solid core, max.	4 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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## Technical data

## General

Installation advice	when screwed in	Rail	TS 35
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

## PE rating data

Rated short-time current	300 A (2.5 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

Power loss in accordance with IEC 60947-7-x	0.77 W	Rated cross-section	2.5 mm <sup>2</sup>
Rated voltage to adjoining terminal	800 V	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	1.33 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)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	UL_wire_max_Print	12 AWG
UL_wire_min_Print	26 AWG		

## Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ECLASS 9.0	27-14-11-41	ECLASS 9.1	27-14-11-41
ECLASS 10.0	27-14-11-41	ECLASS 11.0	27-14-11-41

## Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

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**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">EAC certificate</a> <a href="#">Llyods Register Certificate</a> <a href="#">MARITREG Certificate</a> <a href="#">EAC EX Certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">NTI WDU/WPE 2.5 1.5 ZR</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Data sheet**

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**Drawings**

