

W-Series
WPE 35

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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

Type	WPE 35
Order No.	1010500000
Version	PE terminal, Screw connection, 35 mm ² , 4200 A (35 mm ²), Green/yellow
GTIN (EAN)	4008190112806
Qty.	25 pc(s).

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Technical data**Dimensions and weights**

Width	16 mm	Width (inches)	0.63 inch
Height	56 mm	Height (inches)	2.205 inch
Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Weight	82.84 g
Net weight	80.2 g		

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	Wemid	Colour code	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)	35 mm ²	Wire cross section max. (IECEX)	35 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, With PE connection, in closed state	Tightening torque (mounting screw)	1.2...2.4 Nm
Tightening torque (clamping screw for copper conductors)	5 Nm	End cover plate required	No
Number of potentials	1	Number of levels	1
No. of clamping points per level	2	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	Yes

Additional technical data

Explosion-tested version	Yes	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)	2 AWG
Wire cross section min. (CSA)	12 AWG		

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

Blade size	6.5 x 1.2 mm	Clamping range, max.	35 mm ²
Clamping range, min.	2.5 mm ²	Clamping screw	M 6
Connection cross-section, stranded, max.	35 mm ²	Connection cross-section, stranded, min.	2.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B8
Number of connections	2	Stripping length	18 mm
Tightening torque, min.	5 Nm	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	2.5 mm ²
Wire connection cross-section, solid core, max.	16 mm ²	Wire connection cross-section, solid core, min.	2.5 mm ²

Dimensions

TS 35 offset	32 mm
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PE rating data

Rated short-time current	4200 A (35 mm ²)	Centre screw on PE terminals	M 4
Tightening torque range for fixing screw	1.2...2.4 Nm	PEN function	Yes

Rating data

Rated cross-section	35 mm ²	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.26 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)	2 AWG
Conductor size Factory wiring min. (UR)	12 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	12 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

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate DE_PT1002_20160414_256_ISSUE01.pdf ATEX Certificate
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	NTI WDU/WPE 35.pdf

Safety note

Safety notice	Safety Information
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Drawings

