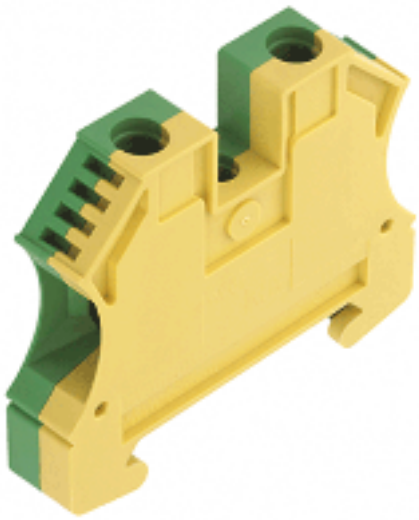
W-Series
WPE 10

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



The PE terminals are available in two designs: standard and compact (N), with rated cross-section from 1.5 mm² to 150 mm² (e.g. 2.5 mm² – WPE 2.5 or 4 mm² – WPE 4N).

General ordering data

Type	WPE 10
Order No.	1010300000
Version	W-Series, PE terminal, Rated cross-section: 10 mm², Screw connection, Screwed
GTIN (EAN)	4008190031251
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Width	9.9 mm	Height	56 mm
Depth	46.5 mm	Net weight	30.78 g

Temperatures

Continuous operating temp., min.	-50 °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)	KEMA98ATEX1683U	Certificate No. (IECEX)	IECEXULD14.0005U
Wire cross section max. (ATEX)	10 mm²	Wire cross section max. (IECEX)	10 mm²
Voltage, cross-connection	CrossConnectionGuide.pdf	Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

System specifications

Version	Screw connection, With PE connection, closed	End cover plate required	No
Number of levels	1	No. of clamping points per level	2
Levels cross-connected internally	No	PE connection	Yes
Mounting rail	TS 35	PEN function	No

Additional technical data

Explosion-tested version	Yes	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)	200039-1888378	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	16 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	16 mm²
Clamping range, rated connection, min.	1.31 mm²	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 mm²
Gauge to IEC 60947-1	B6	Number of connections	2
Stripping length	12 mm	Tightening torque, max.	1.8 Nm
Tightening torque, min.	1.2 Nm	Type of connection	Screw connection
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	16 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm²
Wire connection cross section, finely stranded, max.	16 mm²	Wire connection cross section, solid core max. rated connection	16 mm²
Wire connection cross section, solid core, min. rated connection	1.5 mm²	Wire connection cross section, stranded, rated connection, max.	16 mm²
Wire connection cross section, stranded, rated connection, min.	1.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm²
Wire connection cross-section, finely stranded, min.	1.5 mm²		

Dimensions

TS 35 offset	32 mm

PE rating data

Rated short-time current	1200 A (10 mm²)	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 mm²	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	EC000491
ETIM 5.0	EC000491	ETIM 6.0	EC000491
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

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Technical data

Product information

Descriptive text technical data	AWG 6/7 and H07V-R16 tighten with 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

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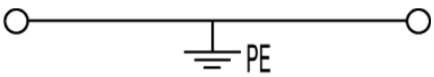
Drawings