W-Series
WPE 16N

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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Fax: +49 5231 14-292083
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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 easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	WPE 16N
Order No.	1019100000
Version	PE terminal, Screw connection, 16 mm², 1920 A (16 mm²), green / yellow
GTIN (EAN)	4008190273248
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Width	12 mm	Width (inches)	0.472 inch
Height	56 mm	Height (inches)	2.205 inch
Depth	46.5 mm	Depth (inches)	1.831 inch
Depth including DIN rail	47 mm	Net weight	33.98 g

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

Material data

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

System specifications

Version	Screw connection, With PE connection, closed	Tightening torque (mounting screw)	0.5...1 Nm
Tightening torque (clamping screw for copper conductors)	1.2...2.4 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
Mounting rail	TS 35	N-function	No
PE function	Yes	PEN function	Yes

Additional technical data

Explosion-tested version	No	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)	200039-1057876	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	14 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	25 mm²
Clamping range, min.	1.5 mm²	Clamping screw	M 4
Connection cross-section, stranded, max.	25 mm²	Connection cross-section, stranded, min.	1.5 mm²
Connection direction	on side	Gauge to IEC 60947-1	B7
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	2.4 Nm	Tightening torque, min.	1.2 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section, finely stranded, max.	16 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	4 mm²
Wire connection cross-section, finely stranded, min.	1.5 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	1.5 mm²		

Dimensions

TS 35 offset	32 mm

PE rating data

Rated short-time current	1920 A (16 mm²)	Centre screw on PE terminals	M 3
Tightening torque range for fixing screw	0.5…1.0 Nm	PEN function	Yes

Rating data

Rated cross-section	16 mm²	Rated voltage to adjoining terminal	400 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.42 mΩ
Rated impulse withstand voltage to adjacent terminal	6 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)	14 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	14 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		

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Technical data

Product information

Descriptive text technical data	25 mm² stranded requires a tightening torque of 2.2 Nm.
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	DE_PT1002_20160414_251_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP

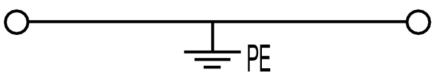
Safety note

Safety notice	Safety Information

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Drawings



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8690200000 1784180000 1786450000 1890260000 1031470000 1124150000 1221360000 1906650000
1289470000 9456650000 1121990000 1649300000 1779950000 1818090500 8951460000 2642470000
1127570000 1608570000 1609820000 1622940000 1804580000 1950200000