

WPE 70/95

Weidmüller Interfaces GmbH & Co. KG

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Product image



A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

General ordering data

Version	PE terminal, Screw connection, 95 mm ² , 11400 A (95 mm ²), Green/yellow
Order No.	1037300000
Type	WPE 70/95
GTIN (EAN)	4008190495664
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	107 mm	Depth (inches)	4.213 inch
Depth including DIN rail	115.5 mm	Height	132 mm
Height (inches)	5.197 inch	Width	27 mm
Width (inches)	1.063 inch	Net weight	387.803 g

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.	130 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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)	95 mm ²	Wire cross section max. (IECEX)	95 mm ²
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, With PE connection, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number 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)	12400-382	Wire cross section max. (CSA)	00 AWG
Wire cross section min. (CSA)	6 AWG		

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M 8

120 mm²16 mm²

B12

30 mm

6 Nm

95 mm²95 mm²50 mm²16 mm²

Conductors for clamping (rated connection)

Blade size	S6 (DIN 6911)	Clamping range, max.	120 mm ²
Clamping range, min.	13.3 mm ²	Clamping screw	M 8
Connection cross-section, stranded, max.	120 mm ²	Connection cross-section, stranded, min.	16 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B12
Number of connections	2	Stripping length	30 mm
Tightening torque, max.	12 Nm	Tightening torque, min.	6 Nm
Type of connection	Screw connection	Wire connection cross section, finely stranded, max.	95 mm ²
Wire connection cross section, finely stranded, min.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	95 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	35 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	16 mm ²		

Dimensions

TS 35 offset 31.5 mm

General

Installation advice	when screwed in	Rail	TS 35
Standards	IEC 60947-7-2		

PE rating data

Rated short-time current	11400 A (95 mm ²)	Centre screw on PE terminals	M 6
Tightening torque range for fixing screw	3.0...6.0 Nm	PEN function	Yes

Rating data

Rated cross-section	95 mm ²	Rated voltage to adjoining terminal	1,000 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.14 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	7.42 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	00 AWG
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	00 AWG
Conductor size Field wiring min. (UR)	6 AWG		

Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	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	ECLASS 12.0	27-14-11-41

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Data sheet

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate EAC certificate INMETRO certificate EAC EX Certificate CCC Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals UKCA Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Beipackzettel_WDU70-95_120-150.pdf NTI WDU/ WPE 70/95 StorageConditionsTerminalBlocks Instruction
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

