

AL3C 2.5 PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

Order No.	2847600000
Type	AL3C 2.5 PE
GTIN (EAN)	4064675457145
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	48 mm	Depth (inches)	1.89 inch
Height	68 mm	Height (inches)	2.677 inch
Width	5,1 mm	Width (inches)	0.201 inch
Net weight	11,139 g		

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	Wemid	Colour	Green/yellow
Colour of operational elements	orange	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV22ATEX8826U	Certificate No. (IECEx)	IECExTUR22.0019U
Wire cross section max. (ATEX)	4 mm ²		

System specifications

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	Rail	TS 35
N-function	No	PE function	Yes
PEN function	No		

Additional technical data

Open sides	right	Snap-on	No
Type of fixing	Snap-on	Type of mounting	TS 35

Conductors for clamping (rated connection)

Blade size	0,6 x 3,5 mm	Clamping range, max.	2,5 mm ²
Clamping range, min.	0,14 mm ²	Connection cross-section, stranded, max.	2,5 mm ²
Connection cross-section, stranded, min.	0,5 mm ²	Connection direction	top, on side
Gauge to IEC 60947-1	A3	Number of connections	3
Stripping length	10 mm	Twin wire-end ferrules, max.	0,75 mm ²
Twin wire-end ferrules, min.	0,5 mm ²	Type of connection	PUSH IN
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 ²	Wire connection cross section, finely stranded, min.	0,5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0,5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2,5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0,5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0,5 mm ²

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Technical data

General

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 ²)	PEN function	No
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Rating data

Rated cross-section	2.5 mm ²	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	8 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3	Surge voltage category	III

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	26 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

Approvals

Approvals



UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate ATEX Certificate
Engineering Data	CAD data – STEP
User Documentation	NTI AL3C 2.5
Catalogues	Catalogues in PDF-format

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Drawings

