

**Surge protection
VPU III SO LD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com

**Type III surge protection**

Compact type III arrester for AC/DC protection acc. to IEC 61643-11:2012 and EN 61643-11. Suitable for protecting end devices. Installed in the vicinity of the equipment to be protected. The arrester can be used as a single-port arrester when nominal current is greater than 16 A.

General ordering data

Type	VPU III SO LD
Order No.	1351680000
Version	Surge protection, Low voltage, Type III, 1.5 kA , without telecomm. contact, $U_p \leq 1.5$ kV , TN-C, TN-C-S, TN-S
GTIN (EAN)	4050118158472
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	12 mm	Height	35 mm
Depth	25 mm	Net weight	20 g

Temperatures

Operating temperature	-25 °C...+55 °C	Storage temperature	-40 °C...+80 °C
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General data

Acoustic signal	No	Colour	Black
Design	Flush mounting	Lightning arrester	Yes
Optical function display	Red LED	Protection degree	IP 20
Segment	Power distribution	UL 94 flammability rating	V-0

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	II
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Protection level

Protection level, U _p wire - PE	1,500 V	Protection level, U _p wire - wire	900 V
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technical data

Rated voltage (AC)	230 V	Rated current	16 A
Max. continuous voltage, U _c (AC)	275 V	Operating current, I _{max}	16 A
Highest continuous voltage (AC)	275 V	Temporary surge voltage (over-voltage) - TOV	440 V
Combined pulse U _{OC}	3 kV	Fuse, max.	16 A
Short-circuit current rating I _{SCCR}	1.5 kA	Discharge current, nominal, per path, (8/20 µs)	1.5 kA
Total discharge current I _{total}	1.5 kA	Discharge current, max. (8/20 µs)	1.5 kA
Protection level U _p (typ.)	≤ 1.5 kV	Leakage current at U _n	10 µA
Signalling contact	No	Standards	IEC 61643-11, EN 61643-11
Colour	Black	Requirements class, acc. to EN 61643-11	T3
Requirements category acc. to IEC 61643-11	Type III	Response time	< 100 ns
Mains frequency at 250 V _{max}	50...60 Hz		

Technical data, signal line

Rated current I _N	16 A
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Connection data

Wire connection cross section, finely stranded, max.	1.5 mm ²
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Connection data, remote alert

Connection type [remote alert]	Miscellaneous	Cross-section for connected wire, solid core, max. [remote alert]	1.5 mm ²
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Classifications

ETIM 3.0	EC000941	UNSPSC	30-21-19-21
eClass 5.1	27-13-08-01	eClass 6.2	27-13-08-02
eClass 7.1	27-14-02-01		

Product information

Descriptive text technical data Cable length approx. 118 mm

Approvals

Approvals



ROHS Conform

Downloads

Declaration of Conformity [CE document](#)
EPLAN [1351680000.ema](#)

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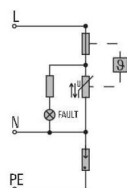
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Zeichnungen

Electric symbol



Circuit diagram