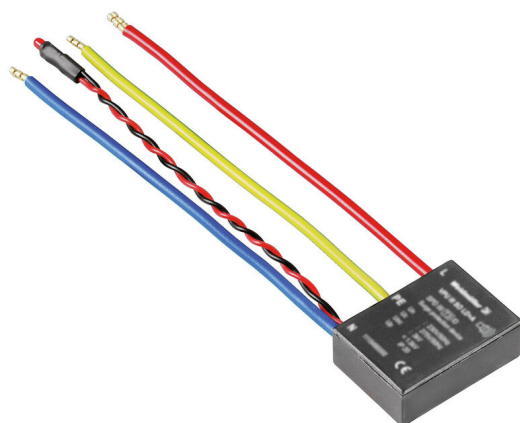


VPU III SO LD+A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Surge voltage arrester, Low voltage, without telecomm. contact, Single-phase
Order No.	1351700000
Type	VPU III SO LD+A
GTIN (EAN)	4050118158458
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	25 mm	Depth (inches)	0.9842 inch
Height	35 mm	Height (inches)	1.378 inch
Width	12 mm	Width (inches)	0.4724 inch
Net weight	34 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-25 °C...55 °C
Humidity	5 - 95% rel. humidity		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Connection data, remote alert

Cross-section for connected wire, solid core, min.	0.25 mm ²	Connection type	Miscellaneous
Cross-section for connected wire, solid core, max.	1.5 mm ²		

General data

Optical function display	Green LED = OK, Red LED = arrester is defective, replace	Segment	Power distribution
Version	without telecomm. contact	Design	Flush mounting
UL 94 flammability rating	V-0	Colour	black
Protection degree	IP20	Acoustic signal	Yes
Operating altitude	≤ 4000 m		

Insulation coordination acc. to EN 50178

Surge voltage category	II	Pollution severity	2
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Rated data IEC / EN

Number of poles	2	Combined pulse UOC	3 kV
Leakage current at Un	30 µA	Signalling contact	No
Rated voltage (AC)	230 V	Low voltage network	Single-phase
Mains frequency at 250 Vmax	50...60Hz	Voltage type	AC
Temporary surge voltage (over-voltage) - TOV	440 V	Fuse protection	16 A
Response time / fallback time	<100µs	Frequency range, max.	60 Hz

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Frequency range, min.	50 Hz	Standards	IEC 61643-11, EN 61643-11
Requirements class, acc. to EN 61643-11	T3	Requirements category acc. to IEC 61643-11	Type III
Max. continuous voltage, U _c (AC)	275 V	Energy coordination (≤10 m)	Type II, Type III
Acoustic signal	Yes	Protection level Up at IN (L/N-PE)	≤ 1.5 kV
Short-circuit current rating ISCCR	1.5 kA	Discharge current (type III)	3 kA
Integrated back-up fuse	No	PE conductor current IPE	10 µA

Connection data

Stripping length	10 mm	Wire cross-section, solid, min.	0.25 mm ²
Wire connection cross section, finely stranded, max.	25 mm ²		

Electrical data

Voltage type	AC
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General data

Number of poles	2	Protection degree	IP20
Colour	black		

Guarantee

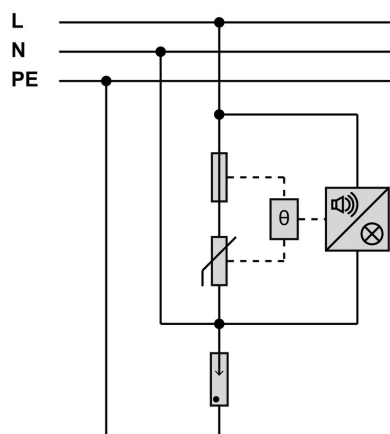
Time interval	5 years
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Classifications

ETIM 8.0	EC000942	ETIM 9.0	EC000942
ETIM 10.0	EC000942	ECLASS 14.0	27-17-12-03
ECLASS 15.0	27-17-12-03		

Drawings

Electric symbol



Schematic circuit diagram