

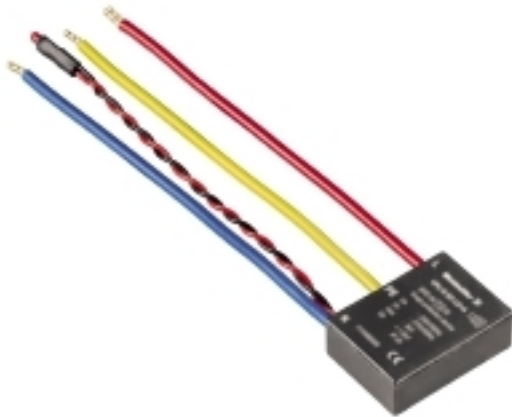
VPU III SO LD+A**Weidmüller Interface GmbH & Co. KG**

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, $U_p(L/N-PE) \leq 0.9$ kV
Order No.	1351700000
Type	VPU III SO LD+A
GTIN (EAN)	4050118158458
Qty.	1 pc(s).

Creation date March 23, 2021 5:44:52 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	25 mm	Depth (inches)	0.984 inch
Height	35 mm	Height (inches)	1.378 inch
Net weight	34 g	Width	12 mm
Width (inches)	0.472 inch		

Temperatures

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

Connection data, remote alert

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

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

Insulation coordination acc. to EN 50178

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

Acoustic signal	Yes	Combined pulse U _{OC}	3 kV
Fuse	16 A	Leakage current at U _n	30 µA
Low voltage network	Single-phase	Mains frequency at 250 V _{max}	50...60Hz
Max. continuous voltage, U _c (AC)	275 V	Number of poles	1
PE conductor current I _{PE}	10 µA	Protection level U _p (typ.)	≤ 0.9 kV
Protection level U _p at I _N (L/N-PE)	≤ 1.5 kV	Rated voltage (AC)	230 V
Requirements category acc. to IEC 61643-11	Type III	Requirements class, acc. to EN 61643-11	T3
Response time	< 100µs	Short-circuit current rating I _{SCCR}	1.5 kA
Signalling contact	No	Standards	IEC61643-11, EN61643-11
Temporary surge voltage (over-voltage) - TOV	440 V	Voltage type	AC

Connection data

Wire connection cross section, finely stranded, max.	1 mm ²
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Guarantee

Time interval	5 years
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Technical data

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ECLASS 9.0	27-13-08-05	ECLASS 9.1	27-13-08-05
ECLASS 10.0	27-13-08-05	ECLASS 11.0	27-13-08-05

Tender specification sheets

Long specification	Surge protection according to the requirements of Class III in accordance with IEC 61643-11, EN61643-11:2013. The arrester serves as surge protection and is used in applications in accordance with IEC 61643-12. The arrester is installed in the vicinity of the equipment that needs protection in a standard installation/distributor housing. The VPU III SO LD +A is earthed between the phase and the neutral conductor. With thermal separation device on the varistor. If there is no longer any protection, the red LED goes out and an acoustic signal sounds. Rated voltage: 230 VAC In/max (8/20 µs): 1.5 kA protection level < 1.5 kV Type: Weidmüller VPU III R SO LD A Order No. 1351700000 or equivalent	Short specification Class III arrester with Uoc: 3 kV suitable for 230 V AC mains systems. Protection level < 1.5 kV. With red LED display and acoustic alert Type: Weidmüller VPU III SO LD A Order no. 1351700000 or equivalent
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Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	EAC VPU SERIES CE PAPER Declaration of Conformity
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

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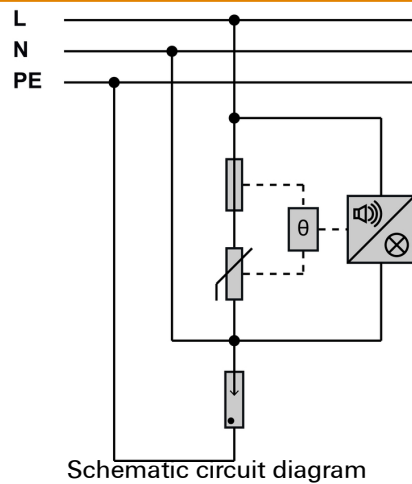
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Drawings

Electric symbol



Schematic circuit diagram