

VPU III SO LD+A

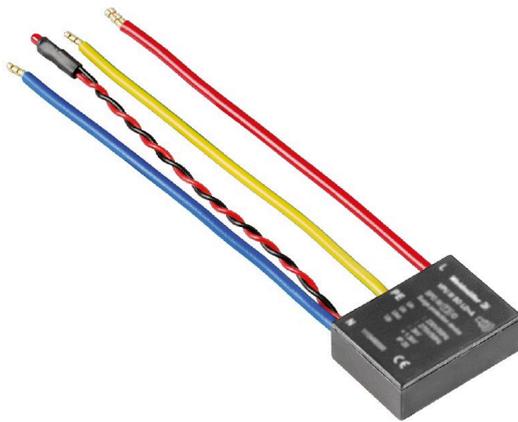
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

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Germany

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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.	135170000
Type	VPU III SO LD+A
GTIN (EAN)	4050118158458
Qty.	1 ST

Technical data

Approvals

Approvals



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

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

Insulation coordination acc. to EN 50178

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

Number of poles	1	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	16 A
Response time	<100µs	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, Uc (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	Integrated back-up fuse	No

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Technical data

PE conductor current IPE 10 µA

Connection data

Wire connection cross section, finely stranded, max. 1 mm²

Electrical data

Voltage type AC

General data

Number of poles	1	Protection degree	IP20
Colour	black		

Guarantee

Time interval 5 years

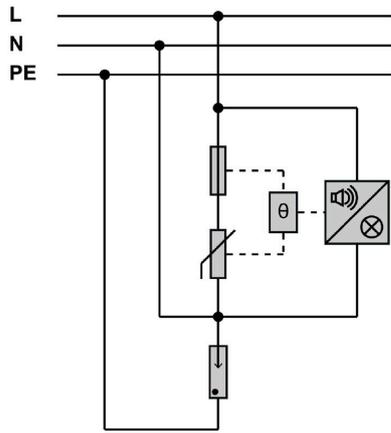
Classifications

ETIM 7.0	EC000942	ETIM 8.0	EC000942
ETIM 9.0	EC000942	ETIM 10.0	EC000942
ECLASS 12.0	27-17-12-03	ECLASS 13.0	27-17-12-03
ECLASS 14.0	27-17-12-03	ECLASS 15.0	27-17-12-03

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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Electric symbol



Schematic circuit diagram