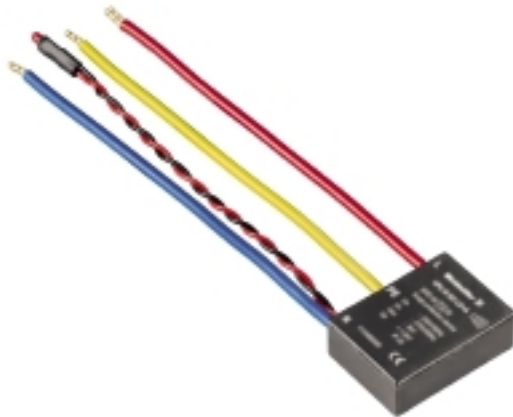


**Surge protection
VPU III SO LD+A**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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+A
Order No.	1351700000
Version	Surge protection, Low voltage, Type III, 1.5 kA , without telecomm. contact, $U_p \leq 1.5 \text{ kV}$, TN-C, TN-C-S, TN-S
GTIN (EAN)	4050118158458
Qty.	1 pc(s).

Surge protection VPU III SO LD+A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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
-----------------------	-----------------	---------------------	-----------------

General data

Acoustic signal	Yes	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
--------------------	---	------------------------	----

Protection level

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

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
------------------------------	------

Connection data

Wire connection cross section, finely stranded, max.	1.5 mm ²
--	---------------------

Connection data, remote alert

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

Surge protection VPU III SO LD+A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technische Daten

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

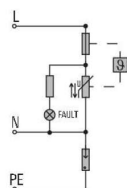
Declaration of Conformity [CE document](#)
EPLAN [1351700000.ema](#)

Surge protection VPU III SO LD+A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Zeichnungen

Electric symbol



Circuit diagram