

VPU series
VPU II 0 510V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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Fax: +49 5231 14-292083

www.weidmueller.com



Similar to illustration

Weidmüller VPU I (Type I), VPU II (Type II) and VPU III (Type III) surge protection products effectively reduce the interference coupling that can occur from transient surge voltages, even significantly below the limits prescribed by insulation co-ordination according to EN 60664-3 / DIN VDE 0110. This means that the whole installation is exposed to fewer malfunctions. The arrestors are co-ordinated using technical means. This means that decoupling between types I, II and III is not necessary. The arrestors are tested according to product standard IEC 61643-11 / DIN EN 61643-11 and can be installed in systems according to IEC 61643-12 / VDE V0675-6-12 and IEC 62305-4 / VDE 0185-4. This lightning and surge protection device is suited for installation in power supply systems for the US market in accordance with UL 1449 Ed.4. Weidmüller offers different products depending on the particular mains network type and voltage level.

General ordering data

Type	VPU II 0 510V
Order No.	2025110000
Version	Surge voltage arrester, Low voltage, Accessories, Spare arrester
GTIN (EAN)	4050118404692
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	18 mm	Width (inches)	0.709 inch
Depth	69 mm	Depth (inches)	2.717 inch
Mounting dimension - height	75 mm	Net weight	134 g

Temperatures

Humidity	5 - 95% rel. humidity	Operating temperature, max.	70 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...70 °C
Storage temperature	-40 °C...85 °C		

Rated data UL

Certificate No. (cURus)	E354261	Continuous voltage U_C , max.	510 V
Rated Voltage U_N	347 V	VPR (L/N-PE)	1,800 V
MCOV (L/N-PE)	510 Vac	SCCR	200 kA
I_n	20 kA	Category	SPD TYPE 1CA/2CA

General data

Colour	orange	Design	Insta IP 20
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
Segment	Power distribution	UL 94 flammability rating	V-0
Version	Spare arrester		

Insulation coordination acc. to EN 50178

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

Discharge current I_{max} (8/20µs) wire-PE	40 kA	Discharge current I_n (8/20µs) wire-PE	20 kA
Follow-on current extinguishing capability I_{fi}	Not available due for technical reasons	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Max. continuous voltage, U_C (AC)	510 V
No. of poles	1	Protection level U_p at I_N (L/N-PE)	≤ 2.1 kV
Rated voltage (AC)	230 V	Requirements category acc. to IEC 61643-11	Type II
Requirements class, acc. to EN 61643-11	T2	Response time	≤ 25 ns
Short-circuit current rating I_{SCCR}	25 kA	Voltage type	AC

Ratings IECEx/ATEX/cUL

cUL certificate	UL 1449 ED.4 Certificate
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Classifications

ETIM 3.0	EC000941	ETIM 5.0	EC000510
ETIM 6.0	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	eClass 8.1	27-14-02-01
eClass 9.0	27-13-08-05	eClass 9.1	27-13-08-05

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Technical data

Approvals

Approvals



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Drawings

Electric symbol

