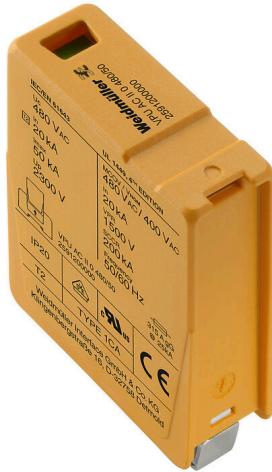


VPU AC II 0 480/50

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com



In the event of a defective arrester, you can easily reorder this spare arrester, replace the defective arrester and thus restore protection.

General ordering data

Version	Spare arrester, Surge protection, Single-phase, TN
Order No.	2591200000
Type	VPU AC II 0 480/50
GTIN (EAN)	4050118599732
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E354261

Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	70 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...85 °C
Operating temperature	-40 °C...85 °C	Humidity	5 - 95% rel. humidity

Environmental Product Compliance

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

Rated data UL

Ambient temperature (operational), max. 85 °C	Rated Voltage UN	400 V
VPR (N-PE)	MCOV (L/N-PE)	480 V
SCCR	In	20 kA
Category	Ambient temperature (operational), min. -40 °C	
Certificate No. (cURus)	VPR (L-PE)	1500 V
Voltage type	AC	

Connection data, remote alert

Connection type	PUSH IN
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General data

Optical function display	green = OK; red = arrester is defective - replace	Segment	Power distribution
Version	Surge protection	Design	Installation housing; 1TE
UL 94 flammability rating	V-0	Colour	orange
Protection degree	IP20 in installed state	Mounting rail	TS 35
Operating altitude	≤ 2000 m, ≤ 4000 m		

Rated data IEC / EN

Number of poles	1	Combined pulse UOC	6 kV
Leakage current at Un	0.3 mA	Signalling contact	No
Rated voltage (AC)	400 V	Low voltage network	Single-phase, TN
Voltage type	AC	Response time / fallback time	≤ 25 ns

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Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Standards	IEC61643-11, EN61643-11, UL 1449, IEC 61643-11, EN 61643-11	Requirements class, acc. to EN 61643-11	T2, T3
Requirements category acc. to IEC 61643-11	Type II, Type III	Max. continuous voltage, U _c (AC)	600 V
Energy coordination (≤10 m)	Type II, Type III	Discharge current I _n (8/20μs) wire-PE	20 kA
Discharge current I _{max} (8/20μs) wire-PE	50 kA	Protection level U _p at I _N (L/N-PE)	≤ 2.3 kV
Short-circuit current rating ISCCR	25 kA	Discharge current (type III)	3 kA
Follow-on current extinguishing capability I _{fi}	Follow current need not be taken into account	Integrated back-up fuse	No

Connection data

Stripping length	18 mm	Type of connection	Plug-in connection, Screw connection
Wire cross-section, solid, min.	1.5 mm ²	Wire cross-section, solid, max.	35 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	1	Protection degree	IP20 in installed state
Colour	orange		

Guarantee

Time interval	5 years
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Classifications

ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-12-02
ECLASS 15.0	27-17-12-02		

Drawings

Electric symbol



Schematic circuit diagram