

VPU AC I 0 480/10

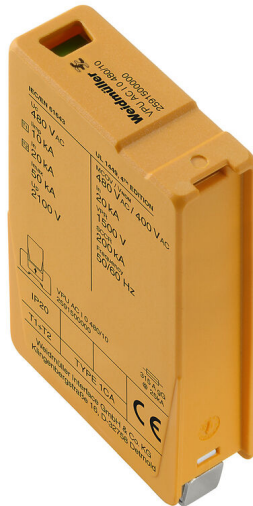
Weidmüller Interface GmbH & Co. KG

Klingenbergsstr. 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
Order No.	2591500000
Type	VPU AC I O 480/10
GTIN (EAN)	4050118599442
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E3542610000

Dimensions and weights

Depth	80 mm	Depth (inches)	3.1496 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	126 g		

Temperatures

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

Probability of failure

MTBF	15 a
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Environmental Product Compliance

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

Rated data UL

Rated Voltage UN	400 V	MCOV (L/N-PE)	300 V
SCCR	200 kA	In	20 kA
Category	SPD TYPE 1CA	Certificate No. (cURus)	E3542610000
MODE	L-N, L-G	VPR (L-N)	1500 V
VPR (L-PE)	1500 V	Voltage type	AC

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	Operating altitude	≤ 2000 m

Rated data IEC / EN

Number of poles	1	Leakage current at Un	0.6 mA
Signalling contact	No	Rated voltage (AC)	400 V
Voltage type	AC	Response time / fallback time	≤ 25 ns
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Standards	IEC61643-11, EN61643-11, UL 1449	Lightning test current limp (10/350 µs) (L-PE)	10 kA
Requirements class, acc. to EN 61643-11	T1, T2	Requirements category acc. to IEC 61643-11	Type I, Type II

Technical data

Max. continuous voltage, U _c (AC)	480 V	Energy coordination (≤10 m)	Type I, 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 Up at I _N (L/N-PE)	≤ 1.5 kV	Integrated back-up fuse	No

Connection data

Type of connection	Plug-in connection	Wire cross-section, solid, min.	1.5 mm ²
Wire cross-section, solid, max.	35 mm ²	Wire connection cross section, finely stranded, min.	1.5 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

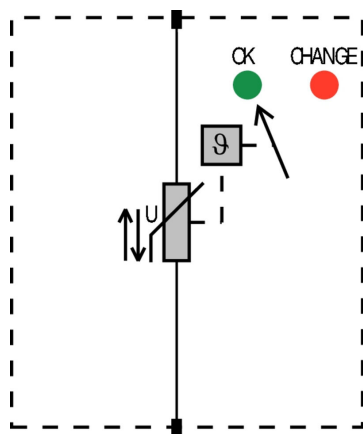
Time interval	5 years
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Classifications

ETIM 8.0	EC001457	ETIM 9.0	EC001457
ETIM 10.0	EC001457	ECLASS 14.0	27-17-12-04
ECLASS 15.0	27-17-12-04		

Drawings

Electric symbol



Schematic circuit diagram