

VPU AC I O 480/10

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, $U_p(L/N-PE) \leq 2.1$ kV
Order No.	2591500000
Type	VPU AC I O 480/10
GTIN (EAN)	4050118599442
Qty.	1 pc(s).

Creation date May 19, 2022 11:56:16 AM CEST

Catalogue status 06.05.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	80 mm	Depth (inches)	3.15 inch
Height	45 mm	Height (inches)	1.772 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	135 g		

Temperatures

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

Probability of failure

MTBF	15 Years
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Rated data UL

Rated Voltage U_N	400 V	MCOV (L/N-PE)	300 V
SCCR	200 kA	I_n	20 kA
Category	SPD TYPE 1CA	Certificate No. (cURus)	E354261
MODE	L-N, L-G	VPR (L-N)	1,500 V
VPR (L-PE)	1,500 V	Voltage type	AC

General data

Colour	orange	Operating altitude	≤ 2000 m
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20 in installed state
Segment	Power distribution	UL 94 flammability rating	V-0
Version	Surge protection		

Rated data IEC / EN

Discharge current I_{max} (8/20 μ s) wire-PE	50 kA	Discharge current I_n (8/20 μ s) wire-PE	20 kA
Energy coordination (≤10 m)	Type I, Type II, Type III	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Fuse	No Fuse necessary ≤315 A gG, 250 A gG @50 kA I _{sc} r, 315 A gG @25 kA I _{sc} r
Leakage current at U_n	0.6 mA	Lightning test current I_{imp} (10/350 μ s) (L-PE)	10 kA
Max. continuous voltage, U_c (AC)	480 V	Number of poles	1
Protection level U_p (typ.)	≤ 2.1 kV	Rated voltage (AC)	400 V
Requirements category acc. to IEC 61643-11	Type I, Type II	Requirements class, acc. to EN 61643-11	T1, T2
Response time	≤ 25 ns	Standards	IEC61643-11, EN61643-11, UL 1449
Voltage type	AC		

Connection data

Type of connection	Plug-in connection
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Ratings IECEx/ATEX/cUL

Certificate no. (cULus)	E354261
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Guarantee

Time interval 5 years

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ECLASS 9.0	27-13-08-05
ECLASS 9.1	27-13-08-05	ECLASS 10.0	27-13-08-05
ECLASS 11.0	27-13-08-05	ECLASS 12.0	27-17-90-90

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EAC VPU SERIES EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format

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Drawings

Electric symbol

