

VPU I 0 280V/12,5KA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Spare arrester Type I

Weidmüller VPU I surge protection products protect low-voltage consumer installations and electronic devices against overvoltages that can occur as a result of atmospheric discharges (thunderstorms) or switching operations (transients). The VPU I series meets the Type I and Type II requirements acc. to IEC 61643-11 and the Type 1 and Type 2 requirements acc. to EN 61643-11. The spare arresters are coded and can only be inserted into suitable bases.

General ordering data

Version	Surge voltage arrester, Low voltage, Accessories, Spare arrester
Order No.	1352120000
Type	VPU I 0 280V/12,5KA
GTIN (EAN)	4050118158120
Qty.	1 pc(s).

Creation date March 1, 2023 2:08:08 PM CET

Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Depth	64 mm	Depth (inches)	2.52 inch
Height	52 mm	Height (inches)	2.047 inch
Width	17.8 mm	Width (inches)	0.701 inch
Net weight	122 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	70 °C
Humidity	5 - 95% rel. humidity		

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	IV
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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	25 kA
Follow-on current extinguishing capability I_{fi}	Not available due for technical reasons	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Fuse	No Fuse necessary \leq 250 A gG, 250 A gL (if back up fuse > 250 A)
Leakage current at U_n	100 μ A	Lightning test current I_{imp} (10/350 μ s) (L-PE)	12.5 kA
Max. continuous voltage, U_c (AC)	280 V	Number of poles	1
Protection level U_p at I_N (L/N-PE)	\leq 1.4 kV	Rated voltage (AC)	230 V
Requirements category acc. to IEC 61643-11	Type I, Type II	Requirements class, acc. to EN 61643-11	T1, T2
Response time	\leq 25 ns	Short-circuit current rating I_{SCCR}	25 kA
Standards	IEC61643-11, EN61643-11	Temporary surge voltage (over-voltage) - TOV	438 V
Voltage type	AC		

Connection data

Type of connection	pluggable
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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

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Technical data

Tender specification sheets

Long specification	Spare arrester for VPU I 280 V-series surge voltage arrester with 12.5 kA. The pluggable high-performance varistors made from V0 material can be replaced by trained personnel following a failure. Rated voltage: 280 V Type: Weidmüller VPU I 0 280 V/12.5 kA Order No.: 1352120000	Short specification	Spare arrester for VPU I 280 V-series surge voltage arrester with 12.5 kA. The pluggable high-performance varistors can be replaced by trained personnel following a failure. Rated voltage: 280 V Type: Weidmüller VPU I 0 280 V/12.5 kA Order No.: 1352120000

Approvals

Approvals



ROHS Conform

Downloads

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

Electric symbol

