

VPU series
VPU I 0 LCF 280V/12,5KA

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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

Type	VPU I 0 LCF 280V/12,5KA
Order No.	1352000000
Version	Surge voltage arrester, Low voltage, Accessories, Spare arrester
GTIN (EAN)	4050118158212
Qty.	1 pc(s).

VPU series

VPU I 0 LCF 280V/12,5KA

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Dimensions and weights

Width	17.8 mm	Width (inches)	0.701 inch
Height	52 mm	Height (inches)	2.047 inch
Depth	64 mm	Depth (inches)	2.52 inch
Net weight	141 g		

Temperatures

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

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
--------------------	---	------------------------	----

Rated data IEC / EN

Rated voltage (AC)	230 V	Voltage type	AC
Max. continuous voltage, U _c (AC)	280 V	Discharge current I _n (8/20µs) wire-PE	25 kA
Discharge current I _{max} (8/20µs) wire-PE	50 kA	Lightning test current I _{imp} (10/350 µs) (L-PE)	12.5 kA
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	No Fuse necessary ≤250 A gG, 250 A gL (if back up fuse > 250 A)	Short-circuit current rating I _{SCCR}	25 kA
Follow-on current extinguishing capability I _{fi}	Not available due for technical reasons	Standards	IEC61643-11, EN61643-11
Protection level U _p at I _N (L/N-PE)	≤ 1.45 kV	Leakage current at U _n	1 µA
Temporary surge voltage (over-voltage) - TOV	438 V	Number of poles	1
Requirements category acc. to IEC 61643-11	Type I, Type II	Requirements class, acc. to EN 61643-11	T1, T2
Response time	≤ 100 ns		

Connection data

Type of connection	pluggable
--------------------	-----------

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
eClass 9.0	27-13-08-05	eClass 9.1	27-13-08-05
eClass 10.0	27-13-08-05	UNSPSC	30-21-19-22

Data sheet**VPU series**
VPU I 0 LCF 280V/12,5KA**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	EAC VPU SERIES CE PAPER Declaration of Conformity
Engineering Data	EPLAN_WSCAD
User Documentation	Instruction sheet

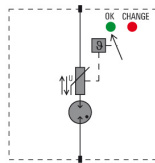
Data sheet

VPU series
VPU I 0 LCF 280V/12,5KA

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Electric symbol



Schematic circuit diagram
