

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

Weidmüller Interfaces GmbH & Co. KG

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### 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.	<a href="#">1352000000</a>
Type	VPU I 0 LCF 280V/12,5KA
GTIN (EAN)	4050118158212
Qty.	1 pc(s).

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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	141 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 $\mu$ s) wire-PE	50 kA	Discharge current $I_n$ (8/20 $\mu$ s) wire-PE	25 kA
Follow-on current extinguishing capability $I_{fi}$	Not available due to 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 $U_n$	1 $\mu$ A	Lightning test current $I_{imp}$ (10/350 $\mu$ 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)	$\leq$ 1.45 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	$\leq$ 100 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

**Data sheet**

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

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**Technical data**

**Tender specification sheets**

Long specification	Spare arrester for VPU I 0 280 V LCF-series surge voltage arrester with 12.5 kA. The pluggable high-performance varistors made from VO material can be replaced by trained personnel following a failure. Rated voltage: 280 V LCF Type: Weidmüller VPU I 0 LCF 280 V/12.5 kA Order No.: 1352000000	Short specification	<a href="http://www.weidmueller.com">www.weidmueller.com</a> Spare arrester for surge voltage arrester VPU I 0 280 V LCF series with 12.5 kA. The pluggable high-performance varistors can be swapped by trained personnel following a failure. Rated voltage: 280 V LCF Type: Weidmüller VPU I 0 LCF 280 V/12.5 kA Order no.: 1352000000
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**Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EAC VPU SERIES</a> <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">WSCAD</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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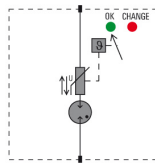
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**Drawings**

**Electric symbol**



Schematic circuit diagram