

## VPU I 0 LCF 280V/25KA

**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.	<a href="#">1351540000</a>
Type	VPU I 0 LCF 280V/25KA
GTIN (EAN)	4050118158588
Qty.	1 pc(s).

Creation date March 1, 2023 11:50:03 AM CET

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

## VPU I 0 LCF 280V/25KA

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Depth	64 mm	Depth (inches)	2.52 inch
Height	52 mm	Height (inches)	2.047 inch
Width	35.6 mm	Width (inches)	1.402 inch
Net weight	240 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
--------------------	---	------------------------	----

## Rated data IEC / EN

Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE	100 kA	Discharge current $I_n$ (8/20 $\mu$ 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 $U_n$	1 $\mu$ A	Lightning test current $I_{imp}$ (10/350 $\mu$ s) (L-PE)	25 kA
Max. continuous voltage, $U_c$ (AC)	280 V	Number of poles	1
Protection level $U_p$ at $I_N$ (L/N-PE)	$\leq$ 1.6 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
--------------------	-----------

## 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

**VPU I 0 LCF 280V/25KA**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Technical data**

**Tender specification sheets**

<p>Long specification</p>	<p>Spare arrester for VPU I 0 280 V LCF-series surge voltage arrester with 25 kA. The pluggable high-performance varistors made from V0 material can be replaced by trained personnel following a failure. Rated voltage: 280 V LCF Type: Weidmüller VPU I 0 LCF 280 V/25 kA Order No.: 135 1540000</p>	<p>Short specification</p>	<p>Spare arrester for surge voltage arrester VPU I 0 280 V LCF series with 25 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/25 kA Order no.: 135 1540000</p>
---------------------------	---	----------------------------	--

**Approvals**

Approvals



ROHS Conform

**Downloads**

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

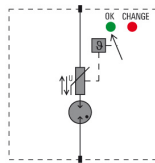
**VPU I 0 LCF 280V/25KA**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

**Electric symbol**



Schematic circuit diagram