

**VPU I 0 N-PE 440V/100KA****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, TT nur für N-PE
Order No.	<a href="#">1351990000</a>
Type	VPU I 0 N-PE 440V/100KA
GTIN (EAN)	4050118158229
Qty.	1 pc(s).

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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	94 mm	Height (inches)	3.701 inch
Width	35.6 mm	Width (inches)	1.402 inch
Net weight	140 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	blue	Design	Insta IP 20
Optical function display	No	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) N-PE	100 kA	Discharge current $I_n$ (8/20 $\mu$ s) N-PE	100 kA
Energy coordination ( $\leq 10$ m)	Type I, Type II, Type III	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Fuse	Not required
Leakage current at $U_n$	1 $\mu$ A	Lightning test current, $I_{imp}$ (10/350 $\mu$ s) (N-PE)	100 kA
Low voltage network	TT nur für N-PE	Max. continuous voltage, $U_c$ (N-PE)	440 V
Number of poles	1	Protection level $U_p$ at $I_N$ (N-PE)	$\leq 3$ 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	$\leq 100$ ns
Standards	IEC61643-11, EN61643-11	Temporary surge voltage (over-voltage) - TOV	1,200 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 0 440 V N-PE-series surge voltage arrester. The pluggable sparkover gaps made from V0 material can be replaced by trained personnel following a failure. Rated voltage: 440 V N-PE with 100 kA Type: Weidmüller VPU I 0 N-PE 440 V/100 kA Order No.: 1351990000	Short specification	Spare arrester for surge voltage arrester VPU I 0 440 V N-PE series. The pluggable sparkover gaps can be swapped by trained personnel following a failure. Rated voltage: 440 V N-PE with 100 kA Type: Weidmüller VPU I 0 N-PE 440 V/100 kA Order no.: 1351990000

### Important note

Product information	Only applicable to IT power systems where the earth on the distribution transformer is interconnected with the earth on the consumer side (RE=RA in Figure 44.A1 of IEC 60634-4-44:2018).
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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>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

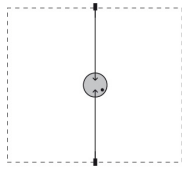
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**Drawings**

**Electric symbol**



Schematic circuit diagram