

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.	1351990000
Type	VPU I 0 N-PE 440V/100KA
GTIN (EAN)	4050118158229
Qty.	1 pc(s).

VPU I O N-PE 440V/100KA

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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
Net weight	140 g	Width	35.6 mm
Width (inches)	1.402 inch		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...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 μ s) N-PE	100 kA	Discharge current I_n (8/20 μ s) N-PE	100 kA
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	Not required	Leakage current at U_n	1 μ A
Lightning test current, I_{imp} (10/350 μ 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)	≤ 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	≤ 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
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

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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
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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	EAC VPU SERIES CE PAPER Declaration of Conformity
Engineering Data	EPLAN, WSCAD

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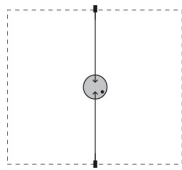
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Drawings

Electric symbol



Schematic circuit diagram