

VPU I 0 N-PE 440V/50KA

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, TT nur für N-PE
Order No.	1351980000
Type	VPU I 0 N-PE 440V/50KA
GTIN (EAN)	4050118158236
Qty.	1 pc(s).

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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	17.8 mm	Width (inches)	0.701 inch
Net weight	62 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 μ s) N-PE	100 kA	Discharge current I_n (8/20 μ s) N-PE	50 kA
Energy coordination (≤ 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 μ A	Lightning test current, I_{imp} (10/350 μ s) (N-PE)	50 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)	≤ 2.7 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
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

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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 50 kA Type: Weidmüller VPU I 0 N-PE 440 V/50 kA Order No.: 1351980000	Short specification	www.weidmueller.com 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 50 kA Type: Weidmüller VPU I 0 N-PE 440 V/50 kA Order no.: 1351980000
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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).

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EAC VPU SERIES EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	WSCAD
Catalogues	Catalogues in PDF-format

VPU I 0 N-PE 440V/50KA

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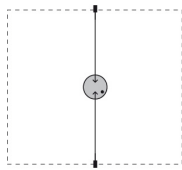
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Drawings

Electric symbol



Schematic circuit diagram