

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

Weidmüller Interface GmbH & 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	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
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
--------------------	---	------------------------	----

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
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)	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
--------------------	-----------

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	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	ECLASS 13.0	27-17-90-90

VPU I 0 N-PE 440V/100KA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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).
---------------------	---

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	EU_Konformitätserklärung / EU_Declaration_of_Conformity
Catalogues	Catalogues in PDF-format

VPU I 0 N-PE 440V/100KA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

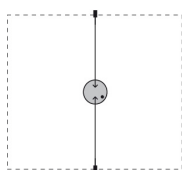
D-32758 Detmold

Germany

www.weidmueller.com

Drawings

Electric symbol



Schematic circuit diagram

VPU I 0 N-PE 440V/100KA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****Crosshead screwdriver Phillips**

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

General ordering data

Type	SDIK PH1 X 80	Version
Order No.	2749890000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897098	
Qty.	1 pc(s).	

Slotted screwdriver

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 1.0X5.5X125	Version
Order No.	2749850000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	