

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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

## VPU I O N-PE 440V/100KA

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	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 $\mu$ 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, $I_{\text{imp}}$ (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
--------------------	-----------

## 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 &amp; 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
--------------------	--	---------------------	---

## Environmental Product Compliance

REACH SVHC /

## 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

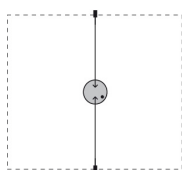
D-32758 Detmold

Germany

[www.weidmueller.com](http://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](http://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.	<a href="#">2749890000</a>	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.	<a href="#">2749850000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	