

**VPU AC I O N-PE 305/100 S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Abb.ähnlich

In the event of a defective arrester, you can easily reorder this spare arrester, replace the defective arrester and thus restore protection.

**General ordering data**

Version	Spare arrester, Leakage-current-free, Surge protection, TT nur für N-PE, TN, $U_p(L/N-PE) \leq 1.5 \text{ kV}$
Order No.	<a href="#">2730850000</a>
Type	VPU AC I O N-PE 305/100 S
GTIN (EAN)	4050118808018
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	80 mm	Depth (inches)	3.15 inch
Height	45 mm	Height (inches)	1.772 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	107 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C
Humidity	5 - 95% rel. humidity		

## Probability of failure

MTBF	15 a
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## General data

Colour	blue	Operating altitude	≤ 4000 m
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20 in installed state
UL 94 flammability rating	V-0	Version	Leakage-current-free, Surge protection

## Rated data IEC / EN

Discharge current $I_{\max}$ (8/20μs) N-PE	150 kA	Discharge current $I_n$ (8/20μs) N-PE	100 kA
Discharge current $I_n$ (8/20μs) wire-PE	25 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 μA
Lightning test current, $I_{\text{imp}}$ (10/350 μs) (N-PE)	100 kA	Low voltage network	TT nur für N-PE, TN
Mains voltage	240 V	Max. continuous voltage, $U_c$ (N-PE)	305 V
Number of poles	1	Protection level $U_p$ (typ.)	≤ 1.5 kV
Rated voltage (AC)	305 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
Short-circuit current rating $I_{\text{SCCR}}$	0.1 kA	Standards	IEC61643-11, EN61643-11, UL 1449
Temporary surge voltage (over-voltage) - TOV	1,200 V	Voltage type	AC

## Connection data

Wire connection method	Plug-in connection
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## Guarantee

Time interval	5 years
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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

**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](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[Beipackzettel / Instruction sheet](#)

Catalogues

[Catalogues in PDF-format](#)

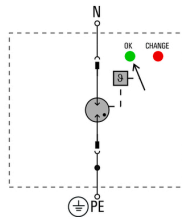
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## Drawings

### Electric symbol



### Schematic circuit diagram

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

**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).	