

**VPU AC I O N-PE 305/50****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

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, Surge protection
Order No.	<a href="#">2591590000</a>
Type	VPU AC I O N-PE 305/50
GTIN (EAN)	4050118599350
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	73 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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## Rated data UL

Rated Voltage $U_N$	0 V	VPR (N-PE)	1,200 V
MCOV (N-PE)	305 V	$I_n$	20 kA
Category	SPD TYPE 1CA	Certificate No. (cURus)	E354261
MODE	N-G	Voltage type	AC

## General data

Colour	blue	Design	Installation housing; 1TE
Operating altitude	$\leq 4000$ m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20 in installed state	Segment	Power distribution
UL 94 flammability rating	V-0	Version	Surge protection

## 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	50 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, $I_{imp}$ (10/350 $\mu$ s) (N-PE)	50 kA
Mains voltage	240 V	Max. continuous voltage, $U_c$ (N-PE)	305 V
Number of poles	1	Protection level $U_p$ at $I_N$ (N-PE)	$\leq 1.5$ kV
Rated voltage (AC)	230 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, UL 1449	Voltage type	AC

## Connection data

Type of connection	Plug-in connection	Wire cross-section, solid, min.	1.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>		

## Guarantee

Time interval	5 years
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Creation date August 24, 2024 5:05:34 AM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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## 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
ECLASS 14.0	27-17-90-90		

## Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

## 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
UL File Number Search	UL Website
Certificate No. (cURus)	E354261

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU_Konformitätserklärung / EU_Declaration_of_Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

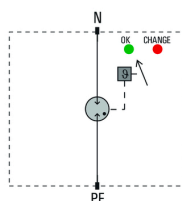
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# Drawings

## Electric symbol



PE

Schematic circuit diagram

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[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).	