

## 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 items
Delivery status	This article will no longer be available in the future.
Available until	2026-06-01T00:00:00+02:00
Alternative product	<a href="#">VPU AC I O N-PE 305/50 LH</a>

## VPU AC I 0 N-PE 305/50

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E354261

## Dimensions and weights

Depth	80 mm	Depth (inches)	3.1496 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	73 g		

## Temperatures

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

## Probability of failure

MTBF 15 a

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## Rated data UL

Rated Voltage UN	0 V	VPR (N-PE)	1200 V
MCOV (N-PE)	305 V	In	20 kA
Category	SPD TYPE 1CA	Certificate No. (cURus)	E354261
MODE	N-G	Voltage type	AC

## General data

Optical function display	green = OK; red = arrester is defective - replace	Segment	Power distribution
Version	Surge protection	Design	Installation housing; 1TE
UL 94 flammability rating	V-0	Colour	blue
Protection degree	IP20 in installed state	Mounting rail	TS 35
Operating altitude	≤ 4000 m		

## Rated data IEC / EN

Number of poles	1	Leakage current at Un	1 µA
Signalling contact	No	Rated voltage (AC)	230 V
Protection level Up at IN (N-PE)	≤ 1.5 kV	Voltage type	AC
Response time / fallback time	≤ 100 ns	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Standards	IEC61643-11, EN61643-11, UL 1449
Lightning test current, limp (10/350 µs) (N-PE)	50 kA	Requirements class, acc. to EN 61643-11	T1, T2

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### Technical data

Requirements category acc. to IEC 61643-11	Type I, Type II	Max. continuous voltage, $U_c$ (AC)	305 V
Max. continuous voltage, $U_c$ (N-PE)	305 V	Mains voltage	240 V
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	Integrated back-up fuse	No
PE conductor current IPE	1 $\mu$ A		

### Connection data

Stripping length	18 mm	Type of connection	Plug-in connection
Wire cross-section, solid, min.	1.5 mm <sup>2</sup>	Wire cross-section, solid, max.	35 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>
Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	35 mm <sup>2</sup>

### Electrical data

Voltage type	AC
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### General data

Number of poles	1	Protection degree	IP20 in installed state
Colour	blue		

### Guarantee

Time interval	5 years
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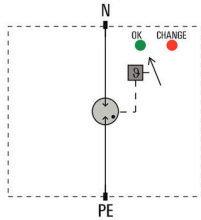
### Important note

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).
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### Classifications

ETIM 8.0	EC001457	ETIM 9.0	EC001457
ETIM 10.0	EC001457	ECLASS 14.0	27-17-12-04
ECLASS 15.0	27-17-12-04		

**Electric symbol**



PE

Schematic circuit diagram

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## 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 thickness (A): 1 mm	
GTIN (EAN)	4050118897050		
Qty.	1 ST		

### Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

#### General ordering data

Type	ESG 6/15 K MC NE WS	Version	
Order No.	<a href="#">1880100000</a>	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive	
GTIN (EAN)	4032248478781		
Qty.	200 ST		

### VPU Series



Extensive accessories round off the product range

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## Accessories

### General ordering data

Type	VPU LOCKING CLIP L	Version	
Order No.	<a href="#">2735070000</a>		
GTIN (EAN)	4050118816402		
Qty.	10 ST		