

VPU AC I O N-PE 305/50

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

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.	2591590000
Type	VPU AC I O N-PE 305/50
GTIN (EAN)	4050118599350
Qty.	1 items
Available until	2026-06-01T00:00:00+02:00
Alternative product	VPU AC I O N-PE 305/50 LH

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E3542610000

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
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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)	E3542610000
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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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} (8/20µs) N-PE	100 kA	Discharge current I _n (8/20µs) N-PE	50 kA
Energy coordination (≤10 m)	Type I, Type II, Type III	Integrated back-up fuse	No
PE conductor current I _{PE}	1 µA		

Connection data

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

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

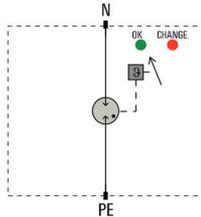
Product information	Only applicable to IT power systems where the earth on the distribution transformer is interconnected with the earth on the consumer side (RE=RA in Figure 44.A1 of IEC 60634-4-44:2018).
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Classifications

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		

Drawings

Electric symbol



PE
Schematic circuit diagram

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Accessories

Slotted screwdriver

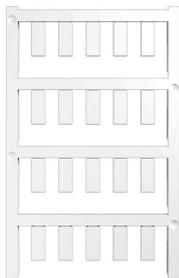


VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 1.0X5.5X125	Version	
Order No.	2749850000	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.	1880100000	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

VPU AC I O N-PE 305/50

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Accessories

General ordering data

Type	VPU LOCKING CLIP L	Version	
Order No.	2735070000		
GTIN (EAN)	4050118816402		
Qty.	10 ST		