

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} (8/20 μ s) N-PE	100 kA	Discharge current I_n (8/20 μ s) N-PE	50 kA
Energy coordination (≤ 10 m)	Type I, Type II, Type III	Integrated back-up fuse	No
PE conductor current IPE	1 μ A		

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

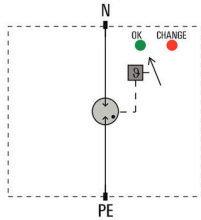
Product information	Only applicable to IT power systems where the earth on the distribution transformer is interconnected with the earth on the consumer side (RE=RA in Figure 44.A1 of IEC 60634-4-44:2018).
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Classifications

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