

VPU AC I O N-PE 305/50 LCF

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.	2668450000
Type	VPU AC I O N-PE 305/50 LCF
GTIN (EAN)	4050118692082
Qty.	1 items

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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	102 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

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)	1800 V
MCOV (L/N-PE)	305 V	MCOV (N-PE)	305 V
In	20 kA	Category	SPD TYPE 4CA
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	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, Iimp (10/350 µs) 50 kA (N-PE)		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 (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		

Connection data

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		

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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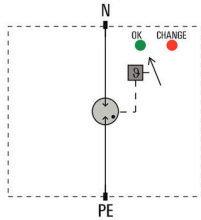
Important note

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