

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 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	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
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Rated data UL

Rated Voltage U_N	0 V	VPR (N-PE)	1,800 V
MCOV (L/N-PE)	305 V	MCOV (N-PE)	305 V
I_n	20 kA	Category	SPD TYPE 4CA
Certificate No. (cURus)	E354261	MODE	N-G
Voltage type	AC		

General data

Colour	blue	Design	Installation housing; 1TE
Operating altitude	≤ 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 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	Frequency range, max.	60 Hz
Frequency range, min.	50 Hz	Fuse	Not required
Leakage current at U_n	1 μ A	Lightning test current, I_{imp} (10/350 μ 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)	≤ 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	≤ 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 ²
Wire connection cross section, finely stranded, min.	1.5 mm ²		

Guarantee

Time interval	5 years
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Creation date July 2, 2024 10:05:27 PM CEST

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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

Environmental Product Compliance

REACH SVHC

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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).

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity

[EU Konformitätserklärung / EU Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[Beipackzettel / Instruction sheet](#)

Catalogues

[Catalogues in PDF-format](#)

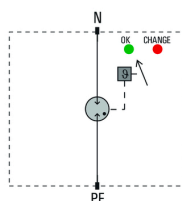
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Drawings

Electric symbol



PE

Schematic circuit diagram

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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.	2749890000	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.	2749850000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	