

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, $U_p(L/N-PE) \leq 1.5$ kV
Order No.	2591590000
Type	VPU AC I O N-PE 305/50
GTIN (EAN)	4050118599350
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
Net weight	73 g	Width	18 mm
Width (inches)	0.709 inch		

Temperatures

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

Probability of failure

MTBF	15 Years
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Rated data UL

Operating altitude	≤ 4000 m	Rated Voltage U_N	0 V
VPR (N-PE)	1,200 V	MCOV (L/N-PE)	305 V
MCOV (N-PE)	305 V	I_n	20 kA
Category	SPD TYPE 1CA	Certificate No. (cURus)	E354261
MODE	N-G	Voltage type	AC

General data

Colour	blue	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		

Insulation coordination acc. to EN 50178

Operating altitude	≤ 4000 m
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Rated data IEC / EN

Discharge current I_{max} (8/20μs) N-PE	100 kA	Discharge current I_n (8/20μs) N-PE	50 kA
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	Not required	Leakage current at U_n	1 μA
Lightning test current, I_{imp} (10/350 μs) (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 (typ.)	≤ 1.5 kV	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	Voltage type	AC

Connection data

Type of connection	Plug-in connection
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Ratings IECEx/ATEX/cUL

Certificate no. (cULus)	E354261
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Guarantee

Time interval	5 years
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Classifications

ETIM 6.0	EC000941	ETIM 7.0	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

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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Approvals

Approvals



ROHS	Conform
UL File Number Search	E354261

Downloads

Approval/Certificate/Document of Conformity	EAC VPU SERIES Declaration of Conformity Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
User Documentation	Instruction sheet
Brochure/Catalogue	Catalogues in PDF-format

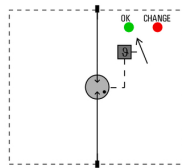
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Drawings

Electric symbol



Schematic circuit diagram