

**VPU AC I O N-PE 305/50 LH****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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	Surge protection
Order No.	<a href="#">2983630000</a>
Type	VPU AC I O N-PE 305/50 LH
GTIN (EAN)	4099986839755
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	70 mm	Depth (inches)	2.756 inch
Height	105.7 mm	Height (inches)	4.161 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	50.8 g		

## Temperatures

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

## Probability of failure

MTBF	15 a
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## General data

Acoustic signal	No	Colour	orange, black, blue
Design	Installation housing, Insta IP 20	Operating altitude	≤ 4000 m
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20 in installed state
Rail	TS 35	UL 94 flammability rating	V-0
Version	Surge protection		

## Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	IV
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## Rated data IEC / EN

Acoustic signal	No	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
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	Not required	Mains voltage	230 V / 400 V
Max. continuous voltage, $U_c$ (AC)	300 V	Number of poles	1
Protection level $U_p$ at $I_n$ (N-PE)	≤ 1500 V	Protection level, $U_p$ wire - PE	1,500 V
Protection level, $U_p$ wire - wire	1,500 V	Rated voltage (AC)	240 V
Requirements category acc. to IEC 61643-11	Type I, Type II	Requirements class, acc. to EN 61643-11	T1, T2
Short-circuit current rating $I_{SCCR}$	50 kA	Standards	IEC61643-11, EN61643-11
Temporary surge voltage (over-voltage) - TOV	442 V	Voltage type	AC

## Connection data

Type of connection	Plug-in connection	Wire cross-section, solid, max.	35 mm <sup>2</sup>
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## Guarantee

Time interval	5 years
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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

**Approvals**

Approvals



ROHS

Conform

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>