

VPU ZPA I 3+1 300/7,5**Weidmüller Interfaces GmbH & Co. KG**

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Lightning arresters for 40 mm rail systems

- Simple and safe to use and install
- Complete and permanent status control
- Leakage current free surge protection
- Application-specific application classes with 7.5 kA and 12.5 kA discharge current

General ordering data

Version	Surge voltage arrester, Low voltage, Leakage-current-free, TN-C-S, TN-S, TT
Order No.	2674460000
Type	VPU ZPA I 3+1 300/7,5
GTIN (EAN)	4050118686838
Qty.	1 Stück

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Technische Daten

Dimensions and weights

Depth	99 mm	Depth (inches)	3.898 inch
Height	229 mm	Height (inches)	9.016 inch
Width	47 mm	Width (inches)	1.85 inch
Net weight	100 g		

Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-40 °C...70 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	70 °C
Humidity	5...95 %, no condensation		

General data

Colour	grey	Design	for 40mm busbars
Operating altitude	≤ 4000 m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP30, in combination with the cover	Segment	Power distribution
Suitable for	Count-in installation (leakage current free)	UL 94 flammability rating	V-0
Version	Leakage-current-free		

Rated data IEC / EN

Discharge current I_{max} (8/20µs) N-PE	100 kA	Discharge current I_{max} (8/20µs) wire-PE	50 kA
Discharge current I_n (8/20µs) N-PE	80 kA	Discharge current I_n (8/20µs) wire-PE	20 kA
Energy coordination (≤10 m)	Type I, Type II, Type III	Follow-on current extinguishing capability I_{fi}	Follow current need not be taken into account
Fuse	No Fuse necessary ≤315 A gG	Leakage current at U_n	5 µA
Lightning test current, I_{imp} (10/350 µs) (N-PE)	30 kA	Low voltage network	TN-C-S, TN-S, TT
Mains voltage	230 V / 400 V	Max. continuous voltage, U_c (AC)	300 V
Max. continuous voltage, U_c (N-PE)	305 V	Number of poles	4
Protection level U_p at I_N (L/N-PE)	≤ 1.5 kV	Protection level U_p at I_N (N-PE)	≤ 1.5 kV
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	Response time	≤ 100 ns
SPD type	T1, T2	Short-circuit current rating I_{SCCR}	25 kA
Signalling contact	No	Standards	IEC61643-11, EN61643-11
Suitable for	Count-in installation (leakage current free)	Temporary surge voltage (over-voltage) - TOV	442 V
Voltage type	AC		

Connection data

Wire connection method	Screw connection	Type of connection	Clamped
Tightening torque, max.	4.5 Nm	Clamping range, min.	16 mm ²
Clamping range, max.	35 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	16 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	25 mm ²	Connection cross-section, stranded, min.	16 mm ²
Connection cross-section, stranded, max.	35 mm ²		

Erstellungs-Datum June 5, 2023 10:13:53 AM CEST

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Garantie

Time interval 5 years

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	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

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

Downloads

Approval/Certificate/Document of Conformity	EU_Konformitätserklärung / EU_Declaration_of_Conformity
Tender specification	Ausschreibungstext DE Tenderspecification EN
User Documentation	Manual
Catalogues	Catalogues in PDF-format

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Zeichnungen

