

VPU ZPA I 3+1 R 300/12,5**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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.	2674390000
Type	VPU ZPA I 3+1 R 300/12,5
GTIN (EAN)	4050118686715
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2023-10-31
Alternative product	2830910000

Creation date December 1, 2023 3:21:59 PM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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Technical data
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
Humidity	5...95 %, no condensation		

Connection data, remote alert

Connection type	Screw connection	Cross-section for connected wire, solid core, max.	1.5 mm ²
Cross-section for connected wire, solid core, min.	0.14 mm ²	Max. torque	0.4 Nm

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) (L-PE)	12.5 kA	Lightning test current, I_{imp} (10/350 µs) (N-PE)	50 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	1 CO 250 V AC. 1 A / 125 V DC. 30 mA
Standards	IEC61643-11, EN61643-11	Suitable for	Count-in installation (leakage current free)
Temporary surge voltage (over-voltage)-TOV	442 V	Voltage type	AC

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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		

Guarantee

Time interval	5 years
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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	27179090

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
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Downloads

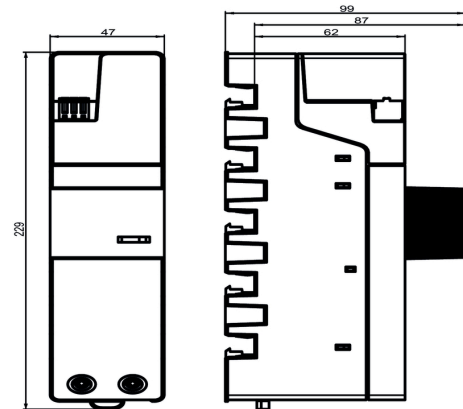
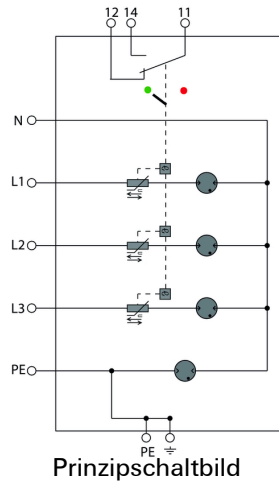
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Tender specification	Ausschreibungstext DE Tenderspecification EN
User Documentation	Manual
Catalogues	Catalogues in PDF-format

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Drawings



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Accessories

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 thickness (A): 1 mm
GTIN (EAN)	4050118897050	
Qty.	1 pc(s).	

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): 80 mm, Blade thickness (A):
GTIN (EAN)	4050118897098	
Qty.	1 pc(s).	