

**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.	<a href="#">2674390000</a>
Type	VPU ZPA I 3+1 R 300/12,5
GTIN (EAN)	4050118686715
Qty.	1 pc(s).

Creation date 31 May 2022 08:50:58 CEST

Catalogue status 20.05.2022 / 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 <sup>2</sup>
Cross-section for connected wire, solid core, min.	0.14 mm <sup>2</sup>	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	auxiliary contact	No

**Rated data IEC / EN**

Discharge current $I_{max}$ (8/20µs) wire-PE	50 kA	Discharge current $I_{max}$ (8/20µs) N-PE	100 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 $I_{fi}$	Not available due for technical reasons
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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## Technical data

### Connection data

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

### Guarantee

Time interval	5 years
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### 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).
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### Approvals

Approvals



ROHS	Conform
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### Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU_Konformitätserklärung / EU_Declaration_of_Conformity</a>
Tender specification	<a href="#">Ausschreibungstext DE</a> <a href="#">Tenderspecification EN</a>
User Documentation	<a href="#">Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings**

