VPU ZPA I 3 R 300/7,5

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, U_p(L/N-PE) ≤ 1.5 kV
Order No.	2674430000
Type	VPU ZPA I 3 R 300/7,5
GTIN (EAN)	4050118686777
Qty.	1 pc(s).

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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
Net weight	100 g	Width	47 mm
Width (inches)	1.85 inch		

Temperatures

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

Rated data UL

Operating altitude	≤ 4000 m

Connection data, remote alert

Connection type	Screw connection	Cross-section for connected wire, solid core, max.	1.5 mm²
Cross-section for connected wire, solid core, min.	0.14 mm²	Max. torque	0.4 Nm

General data

Colour	grey	Design	miscellaneous
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

Insulation coordination acc. to EN 50178

Operating altitude	≤ 4000 m

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Technical data

Rated data IEC / EN

Discharge current I_{max} (8/20µs) wire-PE	50 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
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	No Fuse neccessary ≤315 A gG	Leakage current at U_n	20 µA
Lightning test current I_{imp} (10/350 µs) (L-PE)	7.5 kA	Low voltage network	TN-C
Mains voltage	230 V / 400 V	Max. continuous voltage, Uc (AC)	300 V
Protection level U_P (typ.)	≤ 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

Connection data

Wire connection method	Screw connection	Type of connection	Clamped
Tightening torque, max.	4.5 Nm	Clamping range, min.	16 mm²
Clamping range, max.	35 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	16 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	25 mm²	Connection cross-section, stranded, min.	16 mm²
Connection cross-section, stranded, max.	35 mm²		

Guarantee

Time interval	5 years

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

Approvals

Approvals	
ROHS	Conform

Creation date April 16, 2021 7:50:14 AM CEST

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Technical data

Downloads

Approval/Certificate/Document of Conformity	CE VPU ZPA
Tender specification	Ausschreibungstext DE Tenderspecification EN
User Documentation	Manual
Brochure/Catalogue	Catalogues in PDF-format

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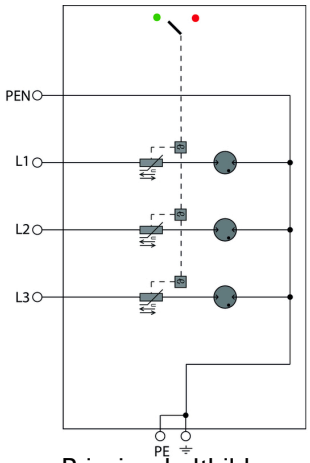
Drawings



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