

VPU ZPA I 3 RA 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
Order No.	2674450000
Type	VPU ZPA I 3 RA 300/7,5
GTIN (EAN)	4050118686821
Qty.	1 items
Delivery status	Discontinued
Available until	2023-10-31T00:00:00+01:00
Alternative product	VPU ZPA S I 3 RA 300/7,5

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	99 mm	Depth (inches)	3.8976 inch
Height	229 mm	Height (inches)	9.0157 inch
Width	47 mm	Width (inches)	1.8504 inch
Net weight	100 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Connection data, remote alert

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

General data

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

Rated data IEC / EN

Number of poles	3	Leakage current at Un	20 µA
Signalling contact	1 CO 250 V AC. 1 A / 125 V DC. 30 mA	Rated voltage (AC)	240 V
Low voltage network	TN-C	Voltage type	AC
Temporary surge voltage (over-voltage) - TOV	442 V	Fuse protection	No Fuse necessary ≤315 A gG
Response time / fallback time	≤ 100 ns	Suitable for	Count-in installation (leakage current free)
Standards	IEC61643-11, EN61643-11	Lightning test current Iimp (10/350 µs) (L-PE)	7.5 kA
Requirements class, acc. to EN 61643-11	T1, T2	Requirements category acc. to IEC 61643-11	Type I, Type II
Max. continuous voltage, Uc (AC)	300 V	Mains voltage	230 V / 400 V

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Energy coordination (≤ 10 m)	Type I, Type II, Type III	Discharge current I_n (8/20 μ s) wire-PE	20 kA
Discharge current I_{max} (8/20 μ s) wire-PE	50 kA	SPD type	T1, T2
Protection level Up at I_n (L/N-PE)	≤ 1.5 kV	Short-circuit current rating ISCCR	25 kA
Follow-on current extinguishing capability I_{fi}	Follow current need not be taken into account	Integrated back-up fuse	No

Connection data

Stripping length	12 mm	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

Electrical data

Voltage type	AC	Nominal current	20 A
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General data

Number of poles	3	Protection degree	IP30, in combination with the cover
Colour	grey		

Guarantee

Time interval	5 years
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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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Classifications

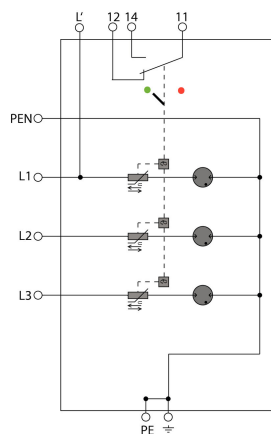
ETIM 8.0	EC001457	ETIM 9.0	EC001457
ETIM 10.0	EC001457	ECLASS 14.0	27-17-12-04
ECLASS 15.0	27-17-12-04		

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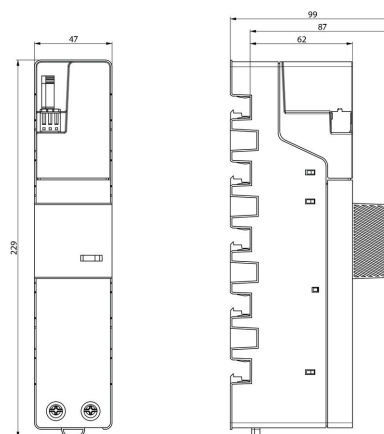
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Drawings



Prinzipschaltbild



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Accessories

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

Slotted screwdriver

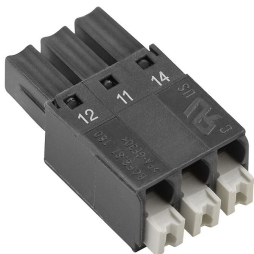


VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 1.0X5.5X125	Version
Order No.	2749850000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 ST	

VPU Series



Extensive accessories round off the product range

General ordering data

Type	PLUG VPU AC	Version
Order No.	2855300000	
GTIN (EAN)	4064675533283	
Qty.	10 ST	