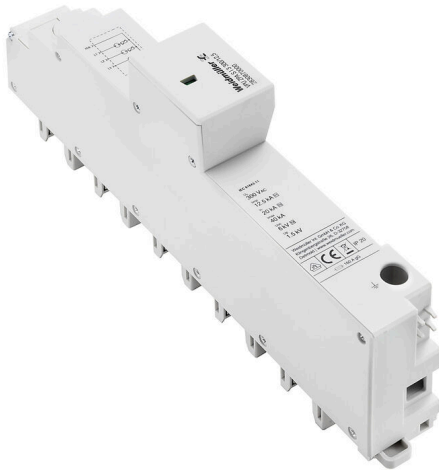


VPU ZPA S I 3 300/12,5

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
Order No.	2830870000
Type	VPU ZPA S I 3 300/12,5
GTIN (EAN)	4064675390039
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS

Conform

Dimensions and weights

Depth	102 mm	Depth (inches)	4.0157 inch
Height	236 mm	Height (inches)	9.2913 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	613 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	...85 °C
Operating temperature	-40 °C...85 °C	Humidity	5 - 95% rel. humidity

Environmental Product Compliance

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

Connection data, remote alert

Connection type	PUSH IN
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General data

Optical function display	green = OK; red = arrester is defective - replace	Segment	Power distribution
Version	Leakage-current-free	Colour	grey
Mounting rail	Busbar	auxiliary contact	No
Operating altitude	≤ 4000 m		

Rated data IEC / EN

Number of poles	3	Combined pulse UOC	6 kV
Leakage current at Un	20 µA	Signalling contact	250 V 1A 1CO
Rated voltage (AC)	240 V	Voltage type	AC
Fuse protection	No Fuse necessary ≤160 A gG	Response time / fallback time	≤ 100 ns
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Lightning test current limp (10/350 µs) (L-PE)	12.5 kA	Lightning test current, limp (10/350 µs) (N-PE)	50 kA
Requirements class, acc. to EN 61643-11	T1, T2, T3	Requirements category acc. to IEC 61643-11	Type I, Type II, Type III
Mains voltage	230 V / 400 V	Energy coordination (≤10 m)	Type I, Type II, Type III
SPD type	T1, T2, T3	Protection level Up at IN (L/N-PE)	≤ 1.5 kV
Short-circuit current rating ISCCR	25 kA	Integrated back-up fuse	No
PE conductor current IPE	20 µA		

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Technical data

Connection data

Stripping length	18 mm	Wire connection method	Screw connection
Type of connection	Screw connection	Tightening torque, max.	4.5 Nm
Clamping range, rated connection	16 mm ²	Clamping range, min.	4 mm ²
Clamping range, max.	35 mm ²	Wire cross-section, solid, min.	16 mm ²
Wire cross-section, solid, max.	35 mm ²	Wire connection cross section, finely stranded, max.	25 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
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General data

Number of poles	3	Colour	grey
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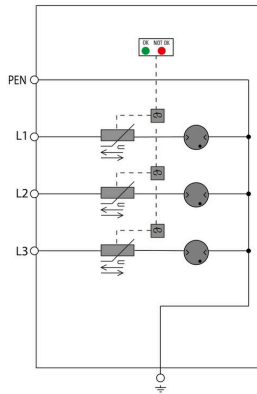
Guarantee

Time interval	5 years
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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		

Electric symbol



Circuit diagram

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

Accessories



General ordering data

Type	V-ZPA TERMINAL	Version	
Order No.	2904470000		
GTIN (EAN)	4099986010352		
Qty.	1 ST		

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Accessories

Type	V-ZPA FUSE HOLDER E	Version
Order No.	3038720000	
GTIN (EAN)	4099987006422	
Qty.	1 ST	