

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

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.	<a href="#">2830870000</a>
Type	VPU ZPA S I 3 300/12,5
GTIN (EAN)	4064675390039
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	101.6 mm	Depth (inches)	4 inch
Height	230.6 mm	Height (inches)	9.079 inch
Width	36 mm	Width (inches)	1.417 inch
Net weight	613 g		

## Temperatures

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

## 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, IP20	Segment	Power distribution
UL 94 flammability rating	V-0	Version	Leakage-current-free
auxiliary contact	No		

## Rated data IEC / EN

Combined pulse $U_{OC}$	6 kV	Discharge current $I_{max}$ (8/20µs) wire-PE	40 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 ≤160 A gG
Leakage current at $U_n$	20 µA	Lightning test current $I_{imp}$ (10/350 µs) (L-PE)	12.5 kA
Low voltage network	TN-C	Mains voltage	230 V / 400 V
Max. continuous voltage, $U_c$ (AC)	300 V	Number of poles	1
Protection level $U_p$ at $I_N$ (L/N-PE)	≤ 1.5 kV	Rated voltage (AC)	240 V
Requirements category acc. to IEC 61643-11	Type I, Type II, Type III	Requirements class, acc. to EN 61643-11	T1, T2, T3
Response time	≤ 100 ns	SPD type	T1, T2, T3
Short-circuit current rating $I_{SCCR}$	25 kA	Signalling contact	No
Standards	IEC61643-11, EN61643-11	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 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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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	27-17-90-90

**Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity

[EU Konformitätserklärung / EU Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[Beipackzettel / Instruction sheet](#)

Catalogues

[Catalogues in PDF-format](#)

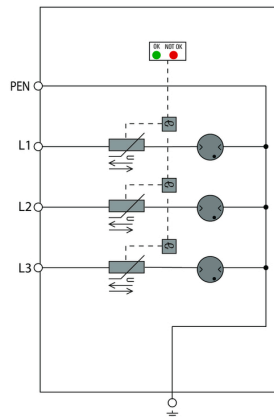
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# Drawings

## Electric symbol



Circuit diagram

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**Accessories****Accessories****General ordering data**

Type	V-ZPA FUSE HOLDER
Order No.	<a href="#">2904480000</a>
GTIN (EAN)	4099986010383
Qty.	1 pc(s).

Type	V-ZPA TERMINAL
Order No.	<a href="#">2904470000</a>
GTIN (EAN)	4099986010352
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.	<a href="#">2749890000</a>	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897098	
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**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.	<a href="#">2749850000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	