

**VPU ZPA I 3 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
Order No.	<a href="#">2674310000</a>
Type	VPU ZPA I 3 R 300/12,5
GTIN (EAN)	4050118685671
Qty.	1 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2023-10-31
Alternative product	<a href="#">2830880000</a>

Creation date December 1, 2023 2:04:49 PM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

## VPU ZPA I 3 R 300/12,5

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## 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		

### 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 $I_{fi}$	Follow current need not be taken into account
Fuse	No Fuse necessary ≤315 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
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	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

## VPU ZPA I 3 R 300/12,5

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

## 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
---------------	---------

### Classifications

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	27179090

### Approvals

Approvals



ROHS	Conform
------	---------

### Downloads

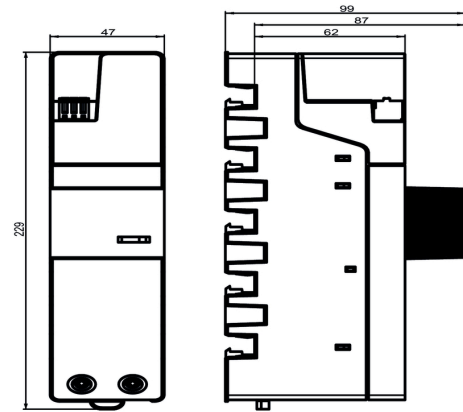
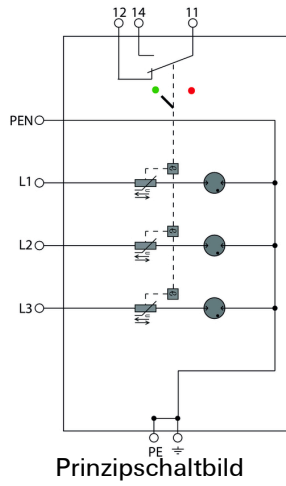
Approval/Certificate/Document of Conformity	<a href="#">EU_Konformitätserklärung / EU_Declaration_of_Conformity</a>
Tender specification	<a href="#">Ausschreibungstext DE</a> <a href="#">Tenderspecification EN</a>
User Documentation	<a href="#">Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format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

**VPU ZPA I 3 R 300/12,5**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**



## VPU ZPA I 3 R 300/12,5

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

### Crosshead screwdriver Phillips

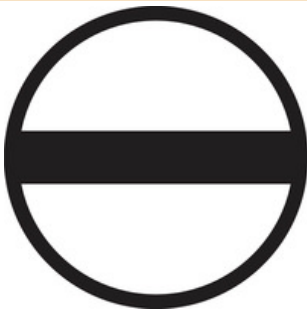


VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

#### General ordering data

Type	SDIK PH1 X 80	Version
Order No.	<a href="#">2749890000</a>	Screwdriver, Blade width (B): 80 mm, Blade thickness (A):
GTIN (EAN)	4050118897098	
Qty.	1 pc(s).	

### 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 thickness (A): 1 mm
GTIN (EAN)	4050118897050	
Qty.	1 pc(s).	