



## VPU PV II 0 1000

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E354261

## Dimensions and weights

Depth	57.2 mm	Depth (inches)	2.252 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	7.7 g		

## Temperatures

Storage temperature	-40 °C...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%

## Rated data UL

Ambient temperature (operational), max. 85 °C	Rated Voltage UN	550 V
SCCR	In	20 kA
Category	Ambient temperature (operational), min. -40 °C	
Certificate No. (cURus)	VPR ( DC+/DC-)	2500 V
Voltage type	DC	

## General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Spare arrester
Design	Installation housing; 1TE	UL 94 flammability rating	V-0
Colour	orange	Protection degree	IP20
Mounting rail	TS 35	Operating altitude	≤ 4000 m

## Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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## Photovoltaic technical data

Standards	EN 61643-31, EN 50539-11, UL 1449	Protection level Up (+/-, -/PE, +/PE)	≤ 3.8 kV
Short-circuit current ISCPV	11000 A	Total discharge current I <sub>total</sub> ( 8/20μs)	50 kA
Discharge current I <sub>n</sub> (8/20 μs)	20 kA	Requirements class	Type II
Operating height in the grounded PV system	≤ 2000 m	PV system voltage, max. U <sub>cpv</sub>	1100 V

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## Technical data

### Rated data IEC / EN

Number of poles	1	Leakage current at Un	30 µA
Voltage type	DC	Response time / fallback time	≤ 25 ns
Standards	EN 61643-31, EN 50539-11, UL 1449	Requirements class, acc. to EN 61643-11	T2
SPD type	T2	Integrated back-up fuse	No

### Connection data

Stripping length	18 mm	Type of connection	pluggable
Wire cross-section, solid, min.	1.5 mm <sup>2</sup>	Wire cross-section, solid, max.	1.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>

### Electrical data

Voltage type	DC
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### General data

Number of poles	1	Protection degree	IP20
Colour	orange		

### Guarantee

Time interval	5 years
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### Classifications

ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-14-02
ECLASS 15.0	27-17-14-02		

Drawings

Electric symbol



Circuit diagram

**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): 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.	<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 ST		