

## VPU PV II 5 R 1000

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

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



### General ordering data

Order No.	2857020000
Type	<a href="#">VPU PV II 5 R 1000</a>
GTIN (EAN)	4064675537380
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	60 mm	Depth (inches)	2.3622 inch
Height	105 mm	Height (inches)	4.1338 inch
Width	90 mm	Width (inches)	3.5433 inch
Mounting dimension - height	105 mm	Net weight	479 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%

## Connection data, remote alert

Cross-section for connected wire, solid core, min.	0.14 mm <sup>2</sup>	Stripping length	8 mm
Cross-section for connected wire, solid core, max.	1.5 mm <sup>2</sup>		

## General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Surge protection II
Design	Installation housing, 5 TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	grey	Protection degree	IP20
Mounting rail	TS 35	auxiliary contact	No
Operating altitude	≤ 2000 m		

## Insulation coordination acc. to EN 50178

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

Standards	IEC 61643-31, EN 61643-31	Discharge current, max. (8/20 μs)	40 kA
Protection level Up (+/-, -/PE, +/-PE)	≤4,2 kV	Operating height in ungrounded PV system	≤ 2000 m
Short-circuit current ISCPV	11000 A	Total discharge current I <sub>total</sub> (8/20 μs)	40 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	5	Leakage current at Un	30 µA
Signalling contact	250 V 1A 1CO	Rated voltage (DC)	1000 V
Voltage type	DC	Response time / fallback time	≤ 25 ns
Standards	IEC 61643-31, EN 61643-31	Discharge current, max. (8/20 µs)	40 kA
Requirements class, acc. to EN 61643-11	T2	Discharge current I <sub>max</sub> (8/20µs) wire-PE40 kA	
SPD type	T2	Integrated back-up fuse	No

### Connection data

Stripping length	18 mm	Type of connection	Screw connection
Stripping length, rated connection	18 mm	Tightening torque, min.	3 Nm
Tightening torque, max.	4.5 Nm	Clamping range, rated connection	6 mm <sup>2</sup>
Clamping range, min.	1.5 mm <sup>2</sup>	Clamping range, max.	35 mm <sup>2</sup>
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>
Connection cross-section, stranded, min. 1.5 mm <sup>2</sup>		Connection cross-section, stranded, max.	35 mm <sup>2</sup>

### Electrical data

Voltage type	DC
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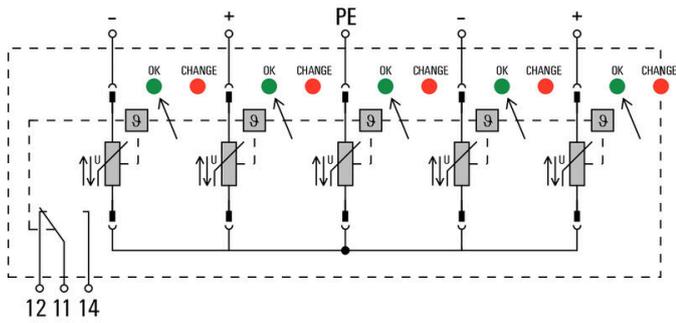
### General data

Number of poles	5	Protection degree	IP20
Colour	grey		

### 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		

Electric symbol



Circuit diagram

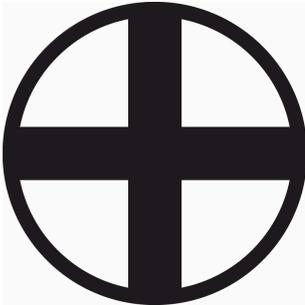
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## Accessories

## 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.	<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		

## Spare Arrester



## General ordering data

Type	VPU PV II 5 0 1000	Version	
Order No.	<a href="#">2857010000</a>		
GTIN (EAN)	4064675537373		
Qty.	9 ST		