

**VPU PV I+II 5 0 1000****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Order No.	<a href="#">2857000000</a>
Type	VPU PV I+II 5 0 1000
GTIN (EAN)	4064675537366
Qty.	9 pc(s).

## VPU PV I+II 5 0 1000

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## Technical data

## Dimensions and weights

Depth	57.2 mm	Depth (inches)	2.252 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	8.889 g		

## Temperatures

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

## Rated data UL

Category	SPD TYPE 1CA
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## General data

Colour	orange	Design	Insta IP 20
Operating altitude	≤ 4000 m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20	UL 94 flammability rating	V-0
Version	Surge protection I / II, Spare arrester		

## Insulation coordination acc. to EN 50178

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

Discharge current $I_n$ (8/20 µs)	20 kA	Discharge current, max. (8/20 µs)	40 kA
Lightning test current $I_{imp}$ (10/350 µs)	5 kA	Operating height in the grounded PV system	≤ 2000 m
Operating height in ungrounded PV system	<4,000 m, see operating instructions	PV system voltage, max. $U_{cpv}$	1,100 V
Protection level $U_p$ (+/-, -/PE, +/-PE)	≤ 3.8 kV	Short-circuit current $I_{SCPv}$	11,000 A
Standards	EN 61643-31, EN 50539-11	Total discharge current $I_{total}$ (8/20µs)	50 kA
Total discharge current $I_{total}$ (10/350µs)	10 kA		

## Rated data IEC / EN

Discharge current, max. (8/20 µs)	40 kA	Lightning test current $I_{imp}$ (10/350 µs)	5 kA
Number of poles	1	Rated voltage (DC)	1000 V
Response time	≤ 25 ns	SPD type	T1, T2
Signalling contact	No	Standards	EN 61643-31, EN 50539-11
Voltage type	DC		

## Connection data

Type of connection	pluggable	Stripping length, rated connection	18 mm
Wire cross-section, solid, min.	1.5 mm <sup>2</sup>	Wire cross-section, solid, max.	16 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>

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Time interval	5 years
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**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	27-17-90-90

**Approvals**

Approvals



ROHS	Conform
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**Downloads**Approval/Certificate/Document of Con-  
formity[EU\\_Konformitätserklärung / EU\\_Declaration\\_of\\_Conformity](#)

Catalogues

[Catalogues in PDF-format](#)

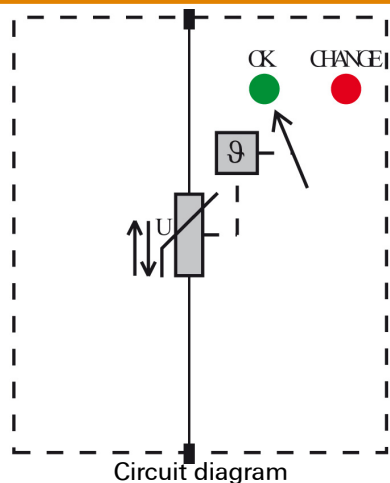
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# Drawings

## Electric symbol



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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).	

**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).	