

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Surge voltage arrester, Low voltage, Accessories, Surge protection I / II, Spare arrester
Order No.	<a href="#">2530600000</a>
Type	VPU PV I+II O 1000
GTIN (EAN)	4050118540819
Qty.	9 pc(s).

## VPU PV I+II 0 1000

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## Technical data

## Dimensions and weights

Depth	79 mm	Depth (inches)	3.11 inch
Height	45 mm	Height (inches)	1.772 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	89 g		

## Temperatures

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

## Rated data UL

Ambient temperature (operational), max. 85 °C		Rated Voltage $U_N$	550 V
SCCR	50 kA	$I_n$	20 kA
Category	SPD TYPE 1CA	Ambient temperature (operational), min. -40 °C	
Certificate No. (cURus)	E354261	VPR (DC+/DC-)	2,500 V
Voltage type	DC		

## General data

Colour	orange	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)	6.25 kA	Operating height in the grounded PV system	≤ 2000 m
PV system voltage, max. $U_{cpv}$	1,100 V	Protection level $U_p$ (+/-, -/PE, +/PE)	≤ 3.8 kV
Requirements class	Type I/II	Short-circuit current $I_{SCPv}$	11,000 A
Standards	EN 61643-31, EN 50539-11, UL 1449	Total discharge current $I_{total}$ (8/20 μs)	50 kA
Total discharge current $I_{total}$ (10/350 μs)	12.5 kA		

## Rated data IEC / EN

Discharge current, max. (8/20 μs)	40 kA	Leakage current at $U_N$	30 μA
Lightning test current $I_{imp}$ (10/350 μs)	6.25 kA	Number of poles	1
Response time	≤ 25 ns	SPD type	T1, T2
Standards	EN 61643-31, EN 50539-11, UL 1449	Voltage type	DC

## Connection data

Type of connection	pluggable
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## Technical data

## Guarantee

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
UL File Number Search	UL Website
Certificate No. (cURus)	E354261

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">CE VPU_PV</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

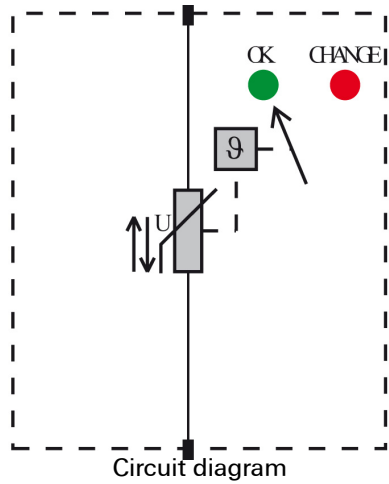
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# Drawings

## Electric symbol



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[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): 1 mm, 80 mm, Blade thickness (A): 1
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
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	