

**VPU PV 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, Spare arrester
Order No.	<a href="#">2530660000</a>
Type	VPU PV II O 1000
GTIN (EAN)	4050118540871
Qty.	9 pc(s).

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## Technical data

## Dimensions and weights

Depth	63 mm	Depth (inches)	2.48 inch
Height	45 mm	Height (inches)	1.772 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	7.703 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

Number of poles	1	Protection degree	IP20
Colour	orange		

## 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 $\mu$ s)	20 kA	Operating height in the grounded PV system	$\leq 2000$ m
PV system voltage, max. $U_{cpv}$	1,100 V	Protection level $U_p$ (+/-, -/PE, +/PE)	$\leq 3.8$ kV
Requirements class	Type 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 $\mu$ s)	50 kA

## Rated data IEC / EN

Leakage current at $U_n$	30 $\mu$ A	Number of poles	1
Response time	$\leq 25$ ns	SPD type	T2
Standards	EN 61643-31, EN 50539-11, UL 1449	Voltage type	DC

## Connection data

Type of connection	pluggable
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## Electrical data

Voltage type	DC
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## Guarantee

Time interval	5 years
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Creation date November 3, 2024 7:10:28 AM CET

Catalogue status 26.10.2024 / We reserve the right to make technical changes.

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## Technical data

## 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
ECLASS 14.0	27-17-90-90		

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## 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>

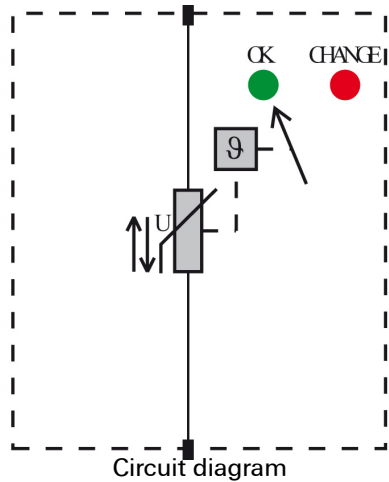
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# Drawings

## Electric symbol



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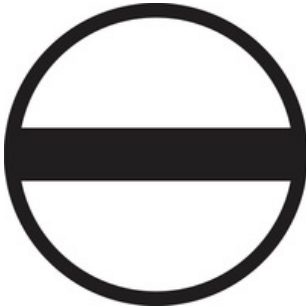
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## Accessories

## 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).	