

## 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="#">253060000</a>
Type	VPU PV I+II O 1000
GTIN (EAN)	4050118540819
Qty.	9 Stück

Erstellungs-Datum May 22, 2023 4:18:14 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### 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
Operating temperature, min.	-40 °C	Operating temperature, max.	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 $I_{total}$ ( 8/20μs)	50 kA
Total discharge current $I_{total}$ (10/350μs)	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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### Garantie

Time interval 5 years

### Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	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

### Approvals

Approvals



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

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">EAC VPU SERIES</a> <a href="#">CE VPU PV</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

Zeichnungen

Electric symbol

