

VPU series
VPU PV II O 1000

Weidmüller Interface GmbH & Co. KG
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Product image**Type II surge voltage arrester for use in photovoltaic applications**

- Pluggable arrester
- Suitable for protecting DC systems
- High energy absorption with short response time
- Tested in accordance with EN 50539-11
- Suitable for use in accordance with IEC 60364-7-712 / EN 50539-12
- Coded voltage level
- Installation in distribution board
- Thermal protection function

General ordering data

Type	VPU PV II O 1000
Order No.	2530660000
Version	Surge voltage arrester, Low voltage, Accessories, 1100 V, Spare arrester, 40 kA
GTIN (EAN)	4050118540871
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	18 mm	Width (inches)	0.709 inch
Height	45 mm	Height (inches)	1.772 inch
Depth	63 mm	Depth (inches)	2.48 inch
Net weight	61 g		

Temperatures

Humidity	5 - 95% rel. humidity	Operating temperature, max.	70 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...70 °C
Storage temperature	-40 °C...85 °C		

Rated data UL

Voltage type	DC	Certificate No. (cURus)	E354261
Certificate No. (UR)	E354261	Ambient temperature (operational), max.	85 °C
Rated Voltage U_N	1,100 V	SCCR	50 kA
I_n	20 kA	Category	SPD TYPE 1CA

General data

Altitude	< 4,000 m, see operating instructions	Colour	orange
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
UL 94 flammability rating	V-0	Version	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 μ s)	20 kA	Discharge current, max. (8/20 μ s)	40 kA
PV system voltage, max. U_{cpv}	1,100 V	Protection level U_p mode (+/-)	≤ 3.8 kV
Protection level U_p mode (-/PE)	≤ 3.8 kV	Protection level U_p mode (+/PE)	≤ 3.8 kV
Requirements class	Type II	Short-circuit current I_{SCPv}	11,000 A
Standards	EN 50539-11:2013+A1:2014, UL 1449 Ed.4	Total discharge current I_{total} (8/20 μ s)	50 kA

Connection data

Type of connection	pluggable
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Classifications

ETIM 5.0	EC000510	ETIM 6.0	EC000941
UNSPSC	30-21-19-21	eClass 5.1	27-13-08-01
eClass 6.2	27-13-08-02	eClass 7.1	27-14-02-01
eClass 8.1	27-14-02-01	eClass 9.0	27-13-08-05
eClass 9.1	27-13-08-05		

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Technical data

Approvals

Approvals



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Drawings

Electric symbol

