

## VPU series

### VPU PV II O 1500

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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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 1500
Order No.	<a href="#">2530630000</a>
Version	Surge voltage arrester, Low voltage, Accessories, 1500 V, Spare arrester, 30 kA
GTIN (EAN)	4050118540840
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	72 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 $U_N$	1,500 V	SCCR	65 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 $\mu$ s)	20 kA	Discharge current, max. (8/20 $\mu$ s)	30 kA
PV system voltage, max. $U_{cpv}$	1,500 V	Protection level $U_p$ mode (+/-)	$\leq 5,0$ kV
Protection level $U_p$ mode (-/PE)	$\leq 2.5$ kV	Protection level $U_p$ mode (+/PE)	$\leq 2.5$ 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 $\mu$ s)	40 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		

**Data sheet****VPU series**  
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Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity[CE\\_VPU\\_PV](#)

**Data sheet**

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**Drawings**

**Electric symbol**

