

## VPU PV II O 1500

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

### 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

Version	Surge voltage arrester, Low voltage, Accessories, 1500 V, Spare arrester, 30 kA
Order No.	<a href="#">2530630000</a>
Type	VPU PV II O 1500
GTIN (EAN)	4050118540840
Qty.	9 pc(s).

Creation date March 29, 2021 6:49:19 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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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
Net weight	9.222 g	Width	18 mm
Width (inches)	0.709 inch		

### Temperatures

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

### Rated data UL

Operating altitude	< 4,000 m, see operating instructions	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	Rated current (UL)	1,500 A
Ambient temperature (operational), min.	-40 °C	Certificate No. (cURus)	E354261
Voltage type	DC		

### General data

Colour	orange	Operating altitude	< 4,000 m, see operating instructions
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

Operating altitude	< 4,000 m, see operating instructions	Pollution severity	2
Surge voltage category	III		

### 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

### Rated data IEC / EN

Discharge current, max. (8/20 $\mu$ s)	30 kA	Leakage current at $U_n$	30 $\mu$ A
Number of poles	1	Response time	$\leq 25$ ns
SPD type	T2	Standards	EN 50539-11:2013+A1:2014, UL 1449 Ed.4
Voltage type	DC		

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**Technical data****Connection data**

Type of connection	pluggable
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**Ratings IECEx/ATEX/cUL**

Certificate no. (cULus)	E354261
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**Guarantee**

Time interval	5 years
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**Classifications**

ETIM 6.0	EC000941	ETIM 7.0	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

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E354261

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EAC VPU SERIES</a> <a href="#">CE_VPU_PV</a>
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Drawings

Electric symbol

