

## VPU PV II 3 1500

**Weidmüller Interface GmbH & Co. KG**

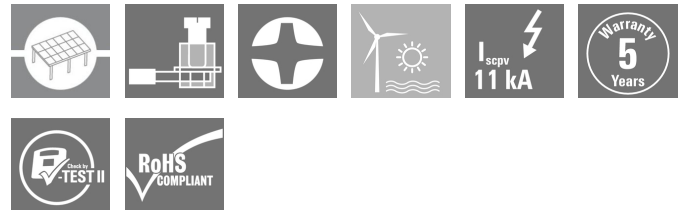
Klingenbergstraße 26

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, 1500 V
Order No.	<a href="#">2530640000</a>
Type	VPU PV II 3 1500
GTIN (EAN)	4050118540857
Qty.	1 pc(s).

Creation date January 14, 2021 8:03:47 AM CET

Catalogue status 01.01.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	70 mm	Depth (inches)	2.756 inch
Height	96 mm	Height (inches)	3.78 inch
Mounting dimension - height	75 mm	Net weight	420 g
Width	54 mm	Width (inches)	2.126 inch

## Temperatures

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

## Rated data UL

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 V	Ambient temperature (operational), min. -40 °C	
Certificate No. (cURus)	E354261	VPR ( DC+/DC-)	4,000 V
VPR ( DC-/G)	4,000 V	Voltage type	DC

## General data

Colour	black, orange	Design	Installation housing; 3TE, Insta IP 20
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
Rail	TS 35	UL 94 flammability rating	V-0

## 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
Operating height in ungrounded PV system	< 4,000 m, see operating instructions	PV system voltage, max. $U_{cpv}$	1,500 V
Protection level $U_p$ mode (+/-, -/PE, +/- PE)	$\leq$ 5,0 kV	Requirements class	Type II
Short-circuit current $I_{scpv}$	11,000 A	Standards	EN 50539-11:2013+A1:2014, UL 1449 Ed.4
Standby power consumption $P_c$	< 0.2 W	Total discharge current $I_{total}$ ( 8/20 $\mu$ s)	40 kA

## Rated data IEC / EN

Leakage current at $U_n$	30 $\mu$ A	Number of poles	3
Rated voltage (DC)	1500 V	Response time	$\leq$ 25 ns
SPD type	T2	Signalling contact	No
Standards	EN 50539-11:2013+A1:2014, UL 1449 Ed.4	Voltage type	DC

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## Connection data

Type of connection	Screw connection	Stripping length, rated connection	18 mm
Tightening torque, min.	2 Nm	Tightening torque, max.	4 Nm
Clamping range, rated connection	16 mm <sup>2</sup>	Clamping range, min.	1.5 mm <sup>2</sup>
Clamping range, max.	35 mm <sup>2</sup>	Wire cross-section, solid, min.	1.5 mm <sup>2</sup>
Wire cross-section, solid, max.	16 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1.5 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	25 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection cross-section, stranded, max.	35 mm <sup>2</sup>		

## Ratings IECEx/ATEX/cUL

Certificate no. (cULus) E354261

## Guarantee

Time interval 5 years

## 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>
Engineering Data	<a href="#">STEP</a>
Tender specification	<a href="#">Ausschreibungstext DE</a> <a href="#">Tenderspecification EN</a>
User Documentation	<a href="#">Manual</a>

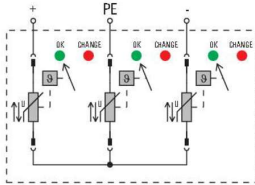
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**Drawings**

**Electric symbol**



Circuit diagram