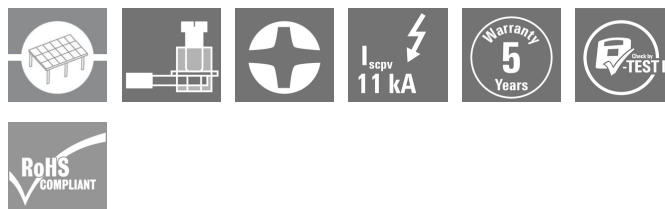


**VPU PV I+II 3 1500****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****General ordering data**

Version	Surge voltage arrester, Low voltage
Order No.	<a href="#">2530580000</a>
Type	VPU PV I+II 3 1500
GTIN (EAN)	4050118540499
Qty.	1 pc(s).
Replacement parts	<a href="#">2530570000</a> <a href="#">2534330000</a>

## VPU PV I+II 3 1500

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Depth	86 mm	Depth (inches)	3.386 inch
Height	96 mm	Height (inches)	3.78 inch
Width	54 mm	Width (inches)	2.126 inch
Mounting dimension - height	85 mm	Net weight	470 g

## Temperatures

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

## Rated data UL

Ambient temperature (operational), max. 85 °C		Rated Voltage $U_N$	1,500 V
SCCR	65 kA	$I_n$	20 kA
Category	SPD TYPE 1CA	Ambient temperature (operational), min. -40 °C	
Certificate No. (cURus)	E354261	VPR (DC+/DC-)	4,000 V
Voltage type	DC		

## General data

Colour	black, orange	Design	Installation housing; 3TE, Insta IP 20
Operating altitude	< 4,000 m, see operating instructions	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
--------------------	---	------------------------	-----

## Photovoltaic technical data

Discharge current $I_n$ (8/20 $\mu$ s)	20 kA	Discharge current, max. (8/20 $\mu$ s)	30 kA
Lightning test current $I_{imp}$ (10/350 $\mu$ s)	5 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 $U_p$ (+/-, -/PE, +/-PE)	$\leq 5,0$ 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 $I_{total}$ (8/20 $\mu$ s)	40 kA	Total discharge current $I_{total}$ (10/350 $\mu$ s)	10 kA

## Rated data IEC / EN

Discharge current, max. (8/20 $\mu$ s)	30 kA	Leakage current at $U_n$	30 $\mu$ A
Lightning test current $I_{imp}$ (10/350 $\mu$ s)	5 kA	Number of poles	3
Rated voltage (DC)	1500 V	Response time	$\leq 25$ ns
SPD type	T1, T2	Signalling contact	No
Standards	EN 61643-31, EN 50539-11, UL 1449	Voltage type	DC

## VPU PV I+II 3 1500

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Connection data

Stripping length	18 mm	Type of connection	Screw connection
Stripping length, rated connection	18 mm	Tightening torque, min.	2 Nm
Tightening torque, max.	4.5 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>
Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	35 mm <sup>2</sup>

## Guarantee

Time interval	5 years
---------------	---------

## Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	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	ECLASS 13.0	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="#">CE VPU_PV</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Tender specification	<a href="#">Ausschreibungstext DE</a> <a href="#">Tenderspecification EN</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

## VPU PV I+II 3 1500

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

### Electric symbol



Circuit diagram