

**VPU PV I+II 5 1500****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Abb. ähnlich

**General ordering data**

Order No.	<a href="#">3012980000</a>
Type	VPU PV I+II 5 1500
GTIN (EAN)	4099986922587
Qty.	1 pc(s).

## VPU PV I+II 5 1500

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## Technical data

## Dimensions and weights

Depth	86 mm	Depth (inches)	3.386 inch
Height	111 mm	Height (inches)	4.37 inch
Width	90 mm	Width (inches)	3.543 inch
Net weight	760 g		

## Temperatures

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

## General data

Colour	orange, black	Design	5 TE, Installation housing, Insta IP 20
Operating altitude	≤ 4000 m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20 in installed state	Rail	TS 35
Suitable for	Photovoltaics	UL 94 flammability rating	V-0
Version	Surge protection I / II		

## Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	I, 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)	40 kA
Lightning test current $I_{imp}$ (10/350 $\mu$ s)	5 kA	Operating height in the grounded PV system	≤ 2000 m
Operating height in ungrounded PV system	≤ 4000 m	PV system voltage, max. $U_{cpv}$	1,500 V
Protection level $U_p$ (+/-, -/PE, +/-PE)	≤ 5,0 kV	Protection level $U_p$ (+/-)	≤ 5,0 kV
Short-circuit current $I_{SCPv}$	11 kA	Standards	EN 61643-31, EN 50539-11
Total discharge current $I_{total}$ (8/20 $\mu$ s)	50 kA	Total discharge current $I_{total}$ (10/350 $\mu$ s)	10 kA

## Rated data IEC / EN

Discharge current, $I_{imp}$ (10/350 $\mu$ s)	5 kA	Discharge current, max. (8/20 $\mu$ s)	40 kA
Lightning test current $I_{imp}$ (10/350 $\mu$ s)	5 kA	Max. continuous voltage, $U_c$ (DC)	1500 V
Number of poles	5	Rated voltage (DC)	1500 V
SPD type	T2, T1	Short-circuit current rating $I_{SCCR}$	50 kA
Standards	EN 61643-31, EN 50539-11	Suitable for	Photovoltaics
Voltage type	DC		

## Connection data

Stripping length	18 mm	Wire connection method	Screw connection
Stripping length, rated connection	18 mm	Tightening torque, max.	4.5 Nm
Clamping range, min.	1.5 mm <sup>2</sup>	Clamping range, max.	35 mm <sup>2</sup>
Wire cross-section, solid, max.	35 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>
Connection cross-section, stranded, max.	35 mm <sup>2</sup>		

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****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

**Environmental Product Compliance**

REACH SVHC /

**Approvals**

Approvals



ROHS Conform

**Downloads**

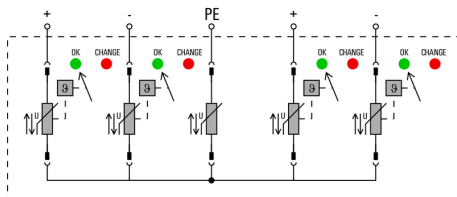
Approval/Certificate/Document of Conformity	<a href="#">CE_VPU_PV_I+II_5_pole</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Beipackzettel / Instruction Sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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# Drawings



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Slotted screwdriver**

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

**General ordering data**

Type	SDIS 1.0X5.5X125	Version
Order No.	<a href="#">2749850000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	

**Spare Arrester****General ordering data**

Type	VPU PV I+II 5 OM 1500
Order No.	<a href="#">3013010000</a>
GTIN (EAN)	4099986922600
Qty.	1 pc(s).

Type	VPU PV I+II 5 O 1500
Order No.	<a href="#">3013020000</a>
GTIN (EAN)	4099986922617
Qty.	1 pc(s).