

**VPU PV I+II 5 R 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="#">3012990000</a>
Type	VPU PV I+II 5 R 1500
GTIN (EAN)	4099986922594
Qty.	1 pc(s).

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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	780 g		

## Temperatures

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

## Connection data, remote alert

Connection type	Screw terminal connectors, Screw connection	Stripping length	10 mm
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## General data

Number of poles	5	Protection degree	IP20 in installed state
Colour	orange, black		

## 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	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	$\leq 4000$ m
PV system voltage, max. $U_{cpv}$	1,500 V	Protection level $U_p$ (+/-, -/PE, +/-PE)	$\leq 5,0$ kV
Protection level $U_p$ (+/-)	$\leq 5,0$ kV	Short-circuit current $I_{SCP}$	11,000 A
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 $I_{max}$ (8/20 $\mu$ s) wire-PE	30 kA	Leakage current at $U_n$	30 $\mu$ A
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
Response time	$\leq 25$ ns	SPD type	T2, T1
Short-circuit current rating $I_{SCCR}$	50 kA	Signalling contact	250 V 1A 1CO
Standards	EN 61643-31, EN 50539-11	Suitable for	Photovoltaics
Voltage type	DC		

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## Technical data

## Connection data

Stripping length	18 mm	Wire connection method	Screw connection
Stripping length, rated connection	18 mm	Tightening torque, min.	3 Nm
Tightening torque, max.	4.5 Nm	Clamping range, rated connection	6 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.	35 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>		

## Electrical data

Voltage type	DC
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## Guarantee

Time interval	5 years
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## 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
ECLASS 14.0	27-17-90-90		

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## Approvals

Approvals



ROHS	Conform
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## Downloads

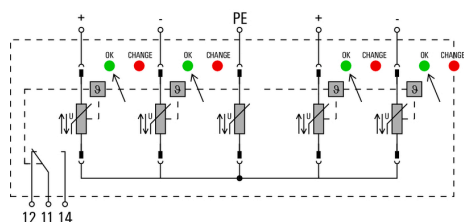
Approval/Certificate/Document of Conformity	<a href="#">CE_VPU_PV_I+II_5_pole</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Beipackzettel / Instruction Sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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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).