

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Abb. ähnlich

General ordering data

Order No.	3012980000
Type	VPU PV I+II 5 1500
GTIN (EAN)	4099986922587
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	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

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 μ s)	20 kA	Discharge current, max. (8/20 μ s)	40 kA
Lightning test current I_{imp} (10/350 μ 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 μ s)	50 kA	Total discharge current I_{total} (10/350 μ s)	10 kA

Rated data IEC / EN

Discharge current, I_{imp} (10/350 μ s)	5 kA	Discharge current, max. (8/20 μ s)	40 kA
Lightning test current I_{imp} (10/350 μ 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 ²	Clamping range, max.	35 mm ²
Wire cross-section, solid, max.	35 mm ²	Wire connection cross section, finely stranded, max.	25 mm ²
Connection cross-section, stranded, max.	35 mm ²		

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www.weidmueller.com**Technical data****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

Approvals

Approvals



ROHS	Conform
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Downloads

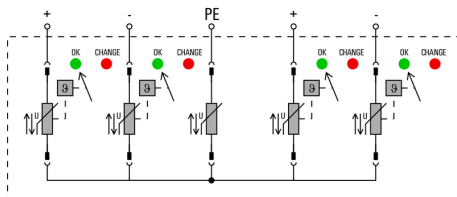
Approval/Certificate/Document of Conformity	CE_VPU_PV_I+II_5_pole
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction Sheet
Catalogues	Catalogues in PDF-format

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Drawings



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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.	2749850000	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.	3013010000
GTIN (EAN)	4099986922600
Qty.	1 pc(s).

Type	VPU PV I+II 5 O 1500
Order No.	3013020000
GTIN (EAN)	4099986922617
Qty.	1 pc(s).