

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Abb. ähnlich

General ordering data

Order No.	3012990000
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

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 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		

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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, 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		

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

Environmental Product Compliance

REACH SVHC	/
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Approvals

Approvals



ROHS	Conform
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Downloads

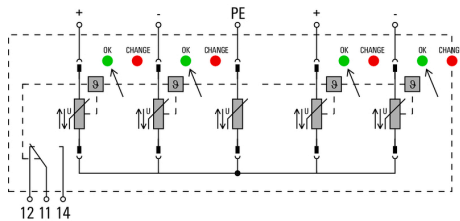
Approval/Certificate/Document of Conformity	CE VPU_PV_I+II_5_pole
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction Sheet
Catalogues	Catalogues in PDF-format

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Drawings



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www.weidmueller.com**Accessories****Spare Arrester****General ordering data**

Type VPU PV I+II 5 0 1500

Order No. [3013020000](#)

GTIN (EAN) 4099986922617

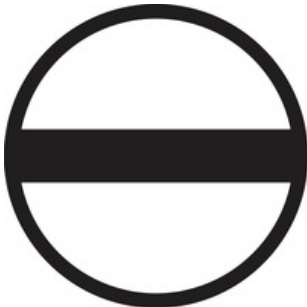
Qty. 1 pc(s).

Type VPU PV I+II 5 OM 1500

Order No. [3013010000](#)

GTIN (EAN) 4099986922600

Qty. 1 pc(s).

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

Order No. [2749850000](#)

GTIN (EAN) 4050118897050

Qty. 1 pc(s).

Version

Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade thickness (A): 1 mm