

VPU series

VPU I 2+0 R PV 1000V DC

Weidmüller Interface GmbH & Co. KG
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Type I/II lightning arrester for use in photovoltaic applications

- Suitable for protection zones III and IV (LPL III/IV)
- Can also be used as Type II surge protection
- Tested in accordance with EN 50539-11
- Suitable for use in accordance with IEC 60364-7-712 / EN 50539-12
- Use if the separation distance cannot be observed

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2018-12-31
Type	VPU I 2+0 R PV 1000V DC
Order No.	1351430000
Version	Surge voltage arrester, Low voltage, 1000 V, with remote contact
GTIN (EAN)	4050118158663
Qty.	1 pc(s).
Alternative product	2530620000

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Technical data
Dimensions and weights

Width	71.2 mm	Width (inches)	2.803 inch
Height	106 mm	Height (inches)	4.173 inch
Depth	69 mm	Depth (inches)	2.717 inch
Mounting dimension - height	75 mm	Net weight	790 g

Temperatures

Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Storage temperature	-40 °C...80 °C		

Connection data, remote alert

Connection type	PUSH IN	Stripping length	8 mm
Cross-section for connected wire, solid core, min.	0.14 mm ²	Cross-section for connected wire, solid core, max.	1.5 mm ²

General data

Colour	black	Design	Installation housing; 4TE, Insta IP 20
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
Rail	TS 35	UL 94 flammability rating	V-0
Version	with remote contact		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	IV
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Photovoltaic technical data

Conditions and requirements	EN 50539-11	Maximum continuous operating voltage UCPV mode +/- -/PE, +/-PE	1,000 V DC
PV system voltage, max. U _{cpv}	1,000 V	Protection level U _p mode (+/-)	≤ 5.2 kV
Protection level U _p mode (-/PE)	≤ 2.6 kV	Protection level U _p mode(+/-PE)	≤ 2.6 kV
Short-circuit current I _{scpv}	200 A	Standards	EN 50539-11

Connection data

Type of connection	Screw connection	Stripping length, rated connection	15 mm
Tightening torque, min.	2 Nm	Tightening torque, max.	3 Nm
Clamping range, rated connection	16 mm ²	Clamping range, min.	4 mm ²
Clamping range, max.	35 mm ²	Wire cross-section, solid, min.	2.5 mm ²
Wire cross-section, solid, max.	16 mm ²	Wire connection cross-section, finely stranded, min.	2.5 mm ²
Wire connection cross section, finely stranded, max.	25 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	2.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	50 mm ²	Connection cross-section, stranded, min.	2.5 mm ²
Connection cross-section, stranded, max.	50 mm ²		

Data sheet

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Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
eClass 9.0	27-13-08-05	eClass 9.1	27-13-08-05
eClass 10.0	27-13-08-05	UNSPSC	30-21-19-22

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EAC VPU SERIES CE PAPER Declaration of Conformity
Brochure/Catalogue	CAT 4.4 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Instruction sheet

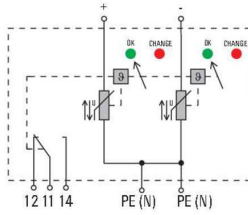
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Drawings

Electric symbol



Circuit diagram

Data sheet

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Accessories

Crosshead screwdriver Phillips

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip



General ordering data

Type	SDIK PH1	Version
Order No.	9008570000	Screwdriver, Blade length: 80 mm
GTIN (EAN)	4032248056569	
Qty.	1 pc(s).	

VPU series accessories

Versatile accessories round off the surge protection range. E.g. the all-purpose measuring device V-TEST, which is used to check the function of pluggable arresters such as VSPC.



General ordering data

Type	PLUG VPU	Version
Order No.	1402570000	VPU series, Accessories
GTIN (EAN)	4050118204360	
Qty.	10 pc(s).	