

VPU series

VPU II 2 PV 1000V DC

Weidmüller Interface GmbH & Co. KG

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Type II surge voltage arrester for use in photovoltaic applications

- Pluggable arrester
- Suitable for protecting DC systems
- High energy absorption with short response time
- Tested in accordance with EN 50539-11
- Suitable for use in accordance with IEC 60364-7-712 / EN 50539-12
- Coded voltage level
- Installation in distribution board
- Thermal protection function

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2020-05-01
Type	VPU II 2 PV 1000V DC
Order No.	1351220000
Version	Surge voltage arrester, Low voltage, 1000 V, without telecomm. contact
GTIN (EAN)	4050118158830
Qty.	1 pc(s).
Alternative product	2530550000

Creation date May 3, 2020 5:46:35 AM CEST

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Technical data
Dimensions and weights

Width	35.6 mm	Width (inches)	1.402 inch
Height	94 mm	Height (inches)	3.701 inch
Depth	69 mm	Depth (inches)	2.717 inch
Mounting dimension - height	75 mm	Net weight	282 g

Temperatures

Operating temperature, max.	70 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...70 °C	Storage temperature	-40 °C...80 °C

General data

Colour	black, orange	Design	Installation housing; 2TE, 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	without telecomm. contact		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Photovoltaic technical data

Conditions and requirements	EN 50539-11	Discharge current I_n (8/20 μ s)	12.5 kA
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 (+/-)	≤ 5.6 kV	Protection level U_p mode (-/PE)	≤ 2.8 kV
Protection level U_p mode(+/PE)	≤ 2.8 kV	Requirements class	Type II
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.	1.5 mm ²
Clamping range, max.	35 mm ²	Wire cross-section, solid, min.	1.5 mm ²
Wire cross-section, solid, max.	16 mm ²	Wire connection cross-section, finely stranded, min.	1.5 mm ²
Wire connection cross section, finely stranded, max.	25 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	50 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection cross-section, stranded, max.	50 mm ²		

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	30-21-19-21

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Data sheet**VPU series
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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity

[EAC VPU SERIES](#)
[CE PAPER](#)
[Declaration of Conformity](#)
[Declaration of Conformity](#)

Brochure/Catalogue

[CAT 4.4 ELECTR 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD](#)

Engineering Data

[STEP](#)

User Documentation

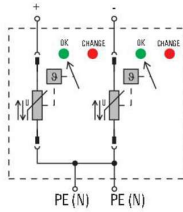
[Instruction sheet](#)

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Drawings

Electric symbol



Circuit diagram

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Accessories

Spare arrester PV II



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General ordering data

Type	VPU II 0 PV 1000V DC	Version	
Order No.	1351190000	Surge voltage arrester, Low voltage, Accessories, 1000 V	
GTIN (EAN)	4050118158847		
Qty.	1 pc(s).		

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