

VPU series

VPU II 0 PV 1000V DC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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www.weidmueller.com



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

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

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

Data sheet

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Technical data

Dimensions and weights

Width	17.8 mm	Width (inches)	0.701 inch
Height	52 mm	Height (inches)	2.047 inch
Depth	64 mm	Depth (inches)	2.52 inch
Net weight	103 g		

Temperatures

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

General data

Colour	orange	Design	Installation housing; 1TE, 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

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	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 at I_n (per module)	≤ 2.8 kV
Protection level U_p mode (+/-, -/PE, +/PE)	≤ 2.6 kV	Short-circuit current I_{scpv}	200 A
Standards	EN 50539-11		

Connection data

Type of connection	pluggable
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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	30-21-19-21

Approvals

Approvals



ROHS Conform

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	EAC VPU SERIES CE PAPER Declaration of Conformity Declaration of Conformity
Engineering Data	EPLAN_WSCAD
User Documentation	Instruction sheet

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Drawings

