

VPU series

VPU II 3 PV 1200V 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

Type	VPU II 3 PV 1200V DC
Order No.	1351420000
Version	Surge voltage arrester, Low voltage, 1200 V, without telecomm. contact, 40 kA
GTIN (EAN)	4050118158670
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	53.4 mm	Width (inches)	2.102 inch
Height	94 mm	Height (inches)	3.701 inch
Depth	69 mm	Depth (inches)	2.717 inch
Mounting dimension - height	75 mm	Net weight	402 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	Black, Orange	Design	Installation housing; 3TE, Insta IP 20
Mounting rail	TS 35	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20	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)	20 kA
Discharge current, max. (8/20 μ s)	40 kA	Maximum continuous operating voltage UCPV mode +/-, -/PE, +/-PE	1,200 V DC
PV system voltage, max. U_{cpv}	1,200 V	Protection level U_p mode (+/-, -/PE, +/-PE)	≤ 4.4 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
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 3.0	EC000941	ETIM 5.0	EC000510
ETIM 6.0	EC000941	UNSPSC	30-21-19-21
eClass 5.1	27-13-08-01	eClass 6.2	27-13-08-02
eClass 7.1	27-14-02-01	eClass 8.1	27-14-02-01
eClass 9.0	27-14-02-01	eClass 9.1	27-13-08-05

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Catalogue status 07.12.2018 / We reserve the right to make technical changes.

Data sheet**VPU series
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Technical data**Product information**

Instructions for accessories Pluggable spare arrester VPU II 0 PV 1,200 V-135 1390000

Approvals

Approvals



ROHS Conform

Downloads

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

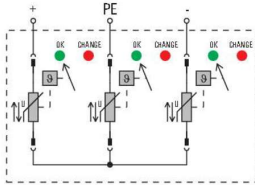
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Drawings

Electric symbol



Circuit diagram