

VPU II 2 R PV 1000V DC

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage, with remote contact
Order No.	1351240000
Type	VPU II 2 R PV 1000V DC
GTIN (EAN)	4050118158816
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2026-03-31T00:00:00+02:00
Alternative product	VPU PV II 3 R 1000

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	69 mm	Depth (inches)	2.7165 inch
Height	106 mm	Height (inches)	4.1732 inch
Width	35.6 mm	Width (inches)	1.4016 inch
Mounting dimension - height	75 mm	Net weight	288 g

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Connection data, remote alert

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

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	with remote contact
Design	Installation housing; 2TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	black, orange	Protection degree	IP20
Mounting rail	TS 35	Operating altitude	≤ 2000 m

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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Photovoltaic technical data

Standards	EN 50539-11	Short-circuit current ISCPV	200 A
Discharge current I _n (8/20 μs)	12.5 kA	Requirements class	Type II
Protection level Up (-/PE)	≤ 2.8 kV	Protection level Up (+/-)	≤ 5.6 kV
Protection level Up (+/PE)	≤ 2.8 kV	PV system voltage, max. U _{cpv}	1000 V
Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/PE	1000 V		

Rated data IEC / EN

Number of poles	2	Leakage current at U _n	30 μA
Signalling contact	250 V 1A 1CO, 125 V AC / 1 A, 48 V CC / 0.5 A	Rated voltage (DC)	1000 V

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PV voltage, acc. to IEC 60364-7-712	≤ 1000 V	Voltage type	DC
Response time / fallback time	≤ 25 ns	Standards	EN 50539-11
Max. continuous voltage, U _c (DC)	1000 V	Discharge current I _n (8/20µs) wire-PE	12.5 kA
Discharge current I _{max} (8/20µs) wire-PE	25 kA	SPD type	T2
Integrated back-up fuse	No		

Connection data

Stripping length	15 mm	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

Electrical data

Voltage type	DC
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General data

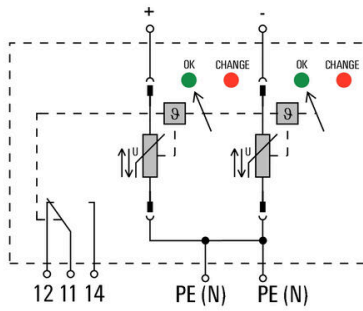
Number of poles	2	Protection degree	IP20
Colour	black, orange		

Classifications

ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-90-90
ECLASS 15.0	27-17-90-90		

Drawings

Electric symbol



Circuit diagram