

VPU II 0 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, Accessories, Surge protection II
Order No.	1351190000
Type	VPU II 0 PV 1000V DC
GTIN (EAN)	4050118158847
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2026-06-01T00:00:00+02:00
Alternative product	VPU PV II 0 1000

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
Height	52 mm	Height (inches)	2.0472 inch
Width	17.8 mm	Width (inches)	0.7008 inch
Net weight	103 g		

Temperatures

Storage temperature -40 °C...80 °C Operating temperature -40 °C...

Environmental Product Compliance

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

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Surge protection II
Design	Installation housing; 1TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	orange	Protection degree	IP20
Mounting rail	TS 35		

Insulation coordination acc. to EN 50178

Surge voltage category III Pollution severity 2

Photovoltaic technical data

Standards	EN 50539-11	Protection level Up (+/-, -/PE, +/-PE)	≤ 2.6 kV
Short-circuit current ISCPV	200 A	Requirements class	Type II
Protection level Up at IN (per module)	≤ 2.8 kV	PV system voltage, max. Ucpv	1000 V
Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/-PE	1000 V		

Rated data IEC / EN

Number of poles	1	Leakage current at Un	30 µA
Rated voltage (DC)	1000 V	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, Uc (DC)	1000 V
Discharge current In (8/20µs) wire-PE	12.5 kA	Discharge current I _{max} (8/20µs) wire-PE	25 kA
Protection level Up at IN (L/N-PE)	≤ 2.8 kV	Integrated back-up fuse	No

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Connection data

Type of connection	pluggable	Wire connection cross section, finely stranded, min.	1.5 mm ²
Wire connection cross section, finely stranded, max.	25 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection cross-section, stranded, max.	35 mm ²		

Electrical data

Voltage type	DC		
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General data

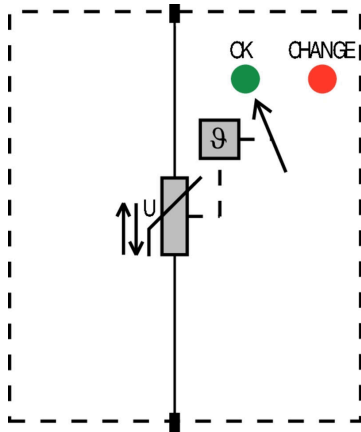
Number of poles	1	Protection degree	IP20
Colour	orange		

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		

Tender specification sheets

Long specification	Spare arrester consisting of VO material for surge voltage arrester VPU II 1000 VDC series The pluggable high-performance varistors can be exchanged by trained personnel following a failure. Rated voltage: 1000 VDC for PV systems Type: Weidmüller VPU II 0 PV 1000 VDC Order No.: 1351190000	Short specification	Spare arrester for surge voltage arrester VPU II 1000 V DC series The pluggable high-performance varistors can be swapped by trained personnel following a failure. Rated voltage: 1000 V DC for PV systems Type: Weidmüller VPU II 0 PV 1000 V DC Order no.: 1351190000
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Circuit diagram

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 X 80	Version	
Order No.	2749890000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118897098		
Qty.	1 ST		

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 1.0X5.5X125	Version	
Order No.	2749850000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade thickness (A): 1 mm	
GTIN (EAN)	4050118897050		
Qty.	1 ST		