



## VPU II 0 PV 600V DC

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



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	73.5 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)	≤ 2.2 kV
Short-circuit current ISCPV	200 A	Requirements class	Type II
Protection level Up at IN (per module)	≤ 2.2 kV	PV system voltage, max. Ucpv	600 V
Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/-PE	600 V		

## Rated data IEC / EN

Number of poles	1	Leakage current at Un	30 µA
Rated voltage (DC)	600 V	PV voltage, acc. to IEC 60364-7-712	<600 V
Voltage type	DC	Response time / fallback time	≤ 25 ns
Standards	EN 50539-11	Max. continuous voltage, Uc (DC)	600 V
Discharge current In (8/20µs) wire-PE	20 kA	Discharge current I <sub>max</sub> (8/20µs) wire-PE	40 kA
Protection level Up at IN (L/N-PE)	≤ 2.2 kV	Integrated back-up fuse	No

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**Technical data**

**Connection data**

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

**Electrical data**

Voltage type	DC
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**General data**

Number of poles	1	Protection degree	IP20
Colour	orange		

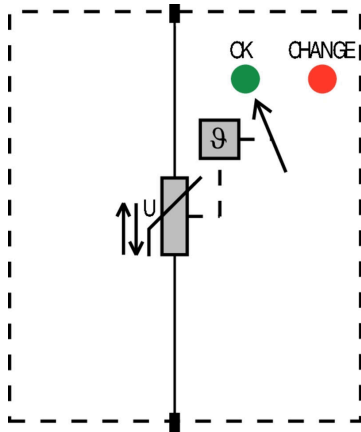
**Classifications**

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 600 VDC series The pluggable high-performance varistors can be exchanged by trained personnel following a failure. Rated voltage: 600 VDC for PV systems Type: Weidmüller VPU II 0 PV 600 VDC Order No.: 135 1320000	Short specification	Spare arrester for surge voltage arrester VPU II 600 V DC series The pluggable high-performance varistors can be swapped by trained personnel following a failure. Rated voltage: 600 V DC for PV systems Type: Weidmüller VPU II 0 PV 600 V DC Order no.: 1351320000
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Drawings



Circuit diagram

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## 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.	<a href="#">2749890000</a>	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.	<a href="#">2749850000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade thickness (A): 1 mm	
GTIN (EAN)	4050118897050		
Qty.	1 ST		