

**VPU II 2 R PV 600V 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.	<a href="#">1351370000</a>
Type	VPU II 2 R PV 600V DC
GTIN (EAN)	4050118158717
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	<a href="#">VPU PV II 3 R 600</a>

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## Technical data

## Approvals

Approvals



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	261.36 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 <sup>2</sup>	Stripping length	8 mm
Connection type	PUSH IN	Cross-section for connected wire, solid core, max.	1.5 mm <sup>2</sup>

## 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	Discharge current, max. (8/20 μs)	40 kA
Operating height in ungrounded PV system	≤ 2000 m	Short-circuit current I <sub>SCP</sub>	200 A
Total discharge current I <sub>total</sub> (8/20 μs)	40	Discharge current I <sub>n</sub> (8/20 μs)	12.5 kA
Requirements class	Type II	Operating height in the grounded PV system	≤ 2000 m
Protection level U <sub>p</sub> (-/PE)	≤ 2.2 kV	Protection level U <sub>p</sub> (+/-)	≤ 4.4 kV
Protection level U <sub>p</sub> (+/PE)	≤ 2.2 kV	PV system voltage, max. U <sub>cpv</sub>	600 V
Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/PE	600 V		

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### Rated data IEC / EN

Number of poles	2	Leakage current at $U_n$	30 $\mu$ A
Signalling contact	250 V 1A 1CO, 125 V AC / 1 A, 48 V CC / 0.5 A	Rated voltage (DC)	600 V
PV voltage, acc. to IEC 60364-7-712	< 600 V	Voltage type	DC
Response time / fallback time	$\leq$ 25 ns	Standards	EN 50539-11
Discharge current, max. (8/20 $\mu$ s)	40 kA	Max. continuous voltage, $U_c$ (DC)	600 V
Discharge current $I_n$ (8/20 $\mu$ s) wire-PE	20 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 <sup>2</sup>
Clamping range, min.	1.5 mm <sup>2</sup>	Clamping range, max.	35 mm <sup>2</sup>
Wire cross-section, solid, min.	1.5 mm <sup>2</sup>	Wire cross-section, solid, max.	16 mm <sup>2</sup>
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>
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1.5 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	50 mm <sup>2</sup>
Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	50 mm <sup>2</sup>

### Electrical data

Voltage type	DC
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### General data

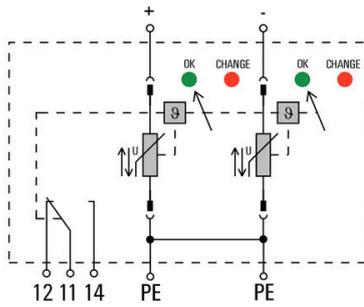
Number of poles	2	Protection degree	IP20
Colour	black, orange		

### 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

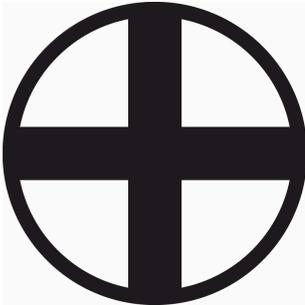
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## Accessories

### 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		

### Spare Arrester



#### General ordering data

Type	VPU II 0 PV 600V DC	Version	
Order No.	<a href="#">1351320000</a>	Surge voltage arrester, Low voltage, Accessories, Surge protection II	
GTIN (EAN)	4050118158755		
Qty.	1 ST		

### VPU Series



Extensive accessories round off the product range

#### General ordering data

Type	PLUG VPU	Version	
Order No.	<a href="#">1402570000</a>	VPU series, Accessories	
GTIN (EAN)	4050118204360		
Qty.	10 ST		