

**VPU PV II 5 1000****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****General ordering data**

Order No.	<a href="#">2856500000</a>
Type	VPU PV II 5 1000
GTIN (EAN)	4064675536437
Qty.	1 pc(s).
Replacement parts	<a href="#">2857010000</a>

## VPU PV II 5 1000

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Depth	60 mm	Depth (inches)	2.362 inch
Height	105 mm	Height (inches)	4.134 inch
Width	90 mm	Width (inches)	3.543 inch
Mounting dimension - height	105 mm	Net weight	467 g

## Temperatures

Storage temperature	85 °C	Operating temperature	-40 °C...85 °C
Humidity	5 - 95% rel. humidity		

## General data

Colour	grey	Design	Installation housing, Insta IP 20
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
Rail	TS 35	UL 94 flammability rating	V-0
auxiliary contact	No		

## Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
--------------------	---	------------------------	-----

## Photovoltaic technical data

Discharge current $I_n$ (8/20 $\mu$ s)	20 kA	Discharge current, max. (8/20 $\mu$ s)	40 kA
Operating height in the grounded PV system	$\leq 2000$ m	PV system voltage, max. $U_{cpv}$	1,100 V
Protection level $U_p$ (+/-, -/PE, +/-PE)	$\leq 4,2$ kV	Requirements class	Type II
Short-circuit current $I_{SCPv}$	9,000 A	Standards	UL 1449, IEC 61643-31, EN 61643-31
Total discharge current $I_{total}$ (8/20 $\mu$ s)	40 kA		

## Rated data IEC / EN

Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE	40 kA	Discharge current, max. (8/20 $\mu$ s)	40 kA
Number of poles	5	Rated voltage (DC)	1000 V
Response time	$\leq 25$ ns	SPD type	T2
Signalling contact	No	Standards	UL 1449, IEC 61643-31, EN 61643-31
Voltage type	DC		

## Connection data

Stripping length	18 mm	Type of connection	Screw connection
Stripping length, rated connection	18 mm	Tightening torque, min.	2 Nm
Tightening torque, max.	4 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>
Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	35 mm <sup>2</sup>

**VPU PV II 5 1000****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Classifications**

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ECLASS 9.1	27-13-08-05	ECLASS 10.0	27-13-08-05
ECLASS 11.0	27-13-08-05	ECLASS 12.0	27-17-90-90
ECLASS 13.0	27-17-90-90		

**Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of Con-  
formity[EU Konformitätserklärung / EU Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[Beipackzettel / Instruction Sheet](#)

Catalogues

[Catalogues in PDF-format](#)

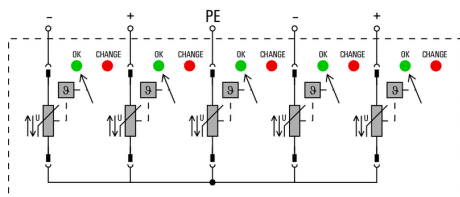
## VPU PV II 5 1000

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

[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

### Electric symbol



Circuit diagram

## VPU PV II 5 1000

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

[www.weidmueller.com](http://www.weidmueller.com)

## Replacement parts

### Spare Arrester



### General ordering data

Type	VPU PV II 5 0 1000
Order No.	<a href="#">2857010000</a>
GTIN (EAN)	4064675537373
Qty.	9 pc(s).

**VPU PV II 5 1000****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**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 pc(s).	

**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
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	