

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****General ordering data**

Order No.	2856500000
Type	VPU PV II 5 1000
GTIN (EAN)	4064675536437
Qty.	1 pc(s).
Replacement parts	2857010000

VPU PV II 5 1000

Weidmüller Interface GmbH & 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 μ s)	20 kA	Discharge current, max. (8/20 μ s)	40 kA
Operating height in the grounded PV system	≤ 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 μ s)	40 kA		

Rated data IEC / EN

Discharge current I_{max} (8/20 μ s) wire-PE	40 kA	Discharge current, max. (8/20 μ s)	40 kA
Number of poles	5	Rated voltage (DC)	1000 V
Response time	≤ 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 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
Connection cross-section, stranded, min.	1.5 mm ²	Connection cross-section, stranded, max.	35 mm ²

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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 Conformity

[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

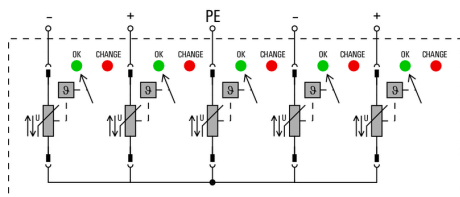
D-32758 Detmold

Germany

www.weidmueller.com

Drawings

Electric symbol



Circuit diagram

VPU PV II 5 1000

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

www.weidmueller.com

Replacement parts

Spare Arrester



General ordering data

Type	VPU PV II 5 0 1000
Order No.	2857010000
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**Accessories****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
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	

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 pc(s).	