

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Order No.	2857020000
Type	VPU PV II 5 R 1000
GTIN (EAN)	4064675537380
Qty.	1 pc(s).
Replacement parts	2857010000

VPU PV II 5 R 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	479 g

Temperatures

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

Rated data UL

Ambient temperature (operational), max. 85 °C	Rated Voltage U _N	1,100 V
SCCR 50 kA	I _n	20 kA
Ambient temperature (operational), min. -40 °C	Voltage type	DC

Connection data, remote alert

Cross-section for connected wire, solid core, max.	1.5 mm ²	Cross-section for connected wire, solid core, min.	0.14 mm ²
Stripping length	8 mm		

General data

Colour	grey	Design	5 TE, Insta IP 20
Operating altitude	≤ 2000 m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20	Rail	TS 35
UL 94 flammability rating	V-0	Version	Surge protection II
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 μs)	20 kA	Discharge current, max. (8/20 μs)	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)	≤ 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 μs)	40 kA		

Rated data IEC / EN

Discharge current I_{max} (8/20 μs) wire-PE	40 kA	Discharge current, max. (8/20 μs)	40 kA
Number of poles	5	Rated voltage (DC)	1000 V
Response time	≤ 25 ns	SPD type	T2
Signalling contact	250 V 1A 1CO	Standards	UL 1449, IEC 61643-31, EN 61643-31
Voltage type	DC		

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****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

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		

Environmental Product Compliance

REACH SVHC /

Approvals

Approvals



ROHS Conform

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

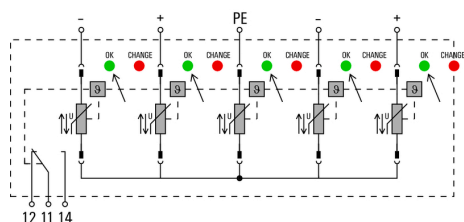
VPU PV II 5 R 1000

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

www.weidmueller.com

Drawings

Electric symbol



Circuit diagram

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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.	2749890000	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.	2749850000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	

VPU PV II 5 R 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).