

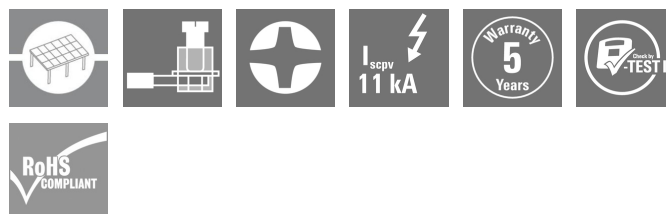
VPU PV II 3 1000**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**General ordering data**

Version	Surge voltage arrester, Low voltage, Surge protection II
Order No.	2530550000
Type	VPU PV II 3 1000
GTIN (EAN)	4050118540550
Qty.	1 pc(s).
Replacement parts	2530660000 2735080000

VPU PV II 3 1000

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Technical data

Dimensions and weights

Depth	70 mm	Depth (inches)	2.756 inch
Height	96 mm	Height (inches)	3.78 inch
Width	54 mm	Width (inches)	2.126 inch
Mounting dimension - height	75 mm	Net weight	386 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
Category	SPD TYPE 1CA	Ambient temperature (operational), min. -40 °C	
Certificate No. (cURus)	E354261	VPR (DC+/DC-)	2,500 V
VPR (DC-/G)	2,500 V	Voltage type	DC

General data

Number of poles	3	Protection degree	IP20
Colour	black, orange		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Photovoltaic technical data

Discharge current I_n (8/20 μ s)	20 kA	Operating height in the grounded PV system	≤ 2000 m
Operating height in ungrounded PV system	≤ 4000 m	PV system voltage, max. U_{cpv}	1,100 V
Protection level U_p (+/-, -/PE, +/-PE)	≤ 3.8 kV	Requirements class	Type II
Short-circuit current I_{SCP}	11,000 A	Standards	EN 61643-31, EN 50539-11, UL 1449
Total discharge current I_{total} (8/20 μ s)	50 kA		

Rated data IEC / EN

Integrated back-up fuse	No	Leakage current at U_n	30 μ A
Max. continuous voltage, U_c (DC)	1000 V	Number of poles	3
Rated voltage (DC)	1000 V	Response time	≤ 25 ns
SPD type	T2	Signalling contact	No
Standards	EN 61643-31, EN 50539-11, UL 1449	Voltage type	DC

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Technical data

Connection data

Stripping length	18 mm	Type of connection	Screw connection
Stripping length, rated connection	18 mm	Tightening torque, min.	3 Nm
Tightening torque, max.	4.5 Nm	Clamping range, rated connection	6 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

Electrical data

Voltage type	DC
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Guarantee

Time interval	5 years
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Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 9.0	27-13-08-05
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	ECLASS 14.0	27-17-90-90
ECLASS 15.0	27-17-90-90		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/
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ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E354261

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Technical data

Downloads

Approval/Certificate/Document of Con-
formity

[CE_VPU_PV](#)

Engineering Data

[CAD data – STEP](#)

Tender specification

[Ausschreibungstext DE](#)

[Tenderspecification EN](#)

User Documentation

[Beipackzettel / Instruction sheet](#)

[Fuse values in DC application](#)

[FL_Applikationsnotiz_SPDs in DC Anwendungen_DE_WEB](#)

[Sicherungswerte in DC Anwendungen](#)

Catalogues

[Catalogues in PDF-format](#)

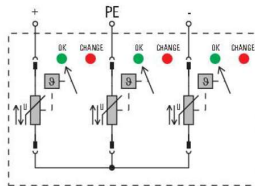
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Drawings

Electric symbol



Circuit diagram

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www.weidmueller.com**Replacement parts****VPU Series**

Extensive accessories round off the product range

General ordering data

Type	VPU LOCKING CLIP S
Order No.	2735080000
GTIN (EAN)	4050118826050
Qty.	10 pc(s).

Spare Arrester**General ordering data**

Type	VPU PV II O 1000	Version
Order No.	2530660000	Surge voltage arrester, Low voltage, Accessories, Spare arrester
GTIN (EAN)	4050118540871	
Qty.	9 pc(s).	

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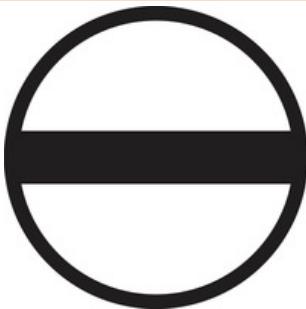
Germany

www.weidmueller.com**Accessories****VPU Series**

Extensive accessories round off the product range

General ordering data

Type	VPU PV EXTENDER
Order No.	3123510000
GTIN (EAN)	4099987270199
Qty.	9 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).	

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