

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

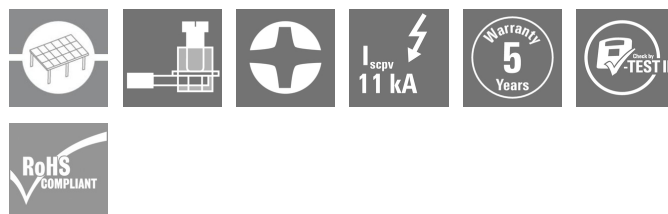
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

**General ordering data**

Version	Surge voltage arrester, Low voltage, Surge protection I / II
Order No.	2530610000
Type	VPU PV I+II 3 1000
GTIN (EAN)	4050118540826
Qty.	1 pc(s).
Replacement parts	2530600000 2534300000

VPU PV I+II 3 1000

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Technical data

Dimensions and weights

Depth	86 mm	Depth (inches)	3.386 inch
Height	96 mm	Height (inches)	3.78 inch
Width	54 mm	Width (inches)	2.126 inch
Mounting dimension - height	85 mm	Net weight	470 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)	E35426 10000	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	Lightning test current I_{imp} (10/350 μ s)	6.25 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
Short-circuit current I_{scpv}	11,000 A	Standards	EN 61643-31, EN 50539-11, UL 1449
Total discharge current I_{total} (8/20 μ s)	50 kA	Total discharge current I_{total} (10/350 μ s)	12.5 kA

Rated data IEC / EN

Discharge current I_{max} (8/20 μ s) wire-PE	30 kA	Integrated back-up fuse	No
Leakage current at U_n	30 μ A	Lightning test current I_{imp} (10/350 μ s)	6.25 kA
Number of poles	3	Rated voltage (DC)	1000 V
Response time	≤ 25 ns	SPD type	T1, 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)	E3542610000

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Technical data

Downloads

Approval/Certificate/Document of Conformity

[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](#)

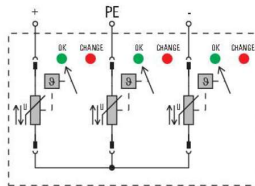
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Drawings

Electric symbol



Circuit diagram

VPU PV I+II 3 1000

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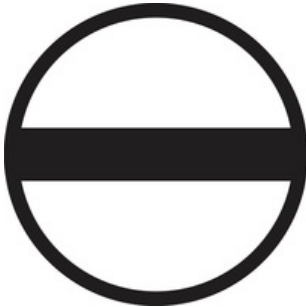
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Accessories

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).	

Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	ESG 6/15 K MC NE WS	Version
Order No.	1880100000	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478781	
Qty.	200 pc(s).	

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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).	

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www.weidmueller.com**Replacement parts****Spare Arrester****General ordering data**

Type	VPU PV I+II O 1000	Version
Order No.	2530600000	Surge voltage arrester, Low voltage, Accessories, Surge protection I /
GTIN (EAN)	4050118540819	II, Spare arrester
Qty.	9 pc(s).	
Type	VPU PV I+II OM 1000	Version
Order No.	2534300000	Surge voltage arrester, Low voltage, Surge protection I / II, Spare
GTIN (EAN)	4050118545906	arrester
Qty.	9 pc(s).	