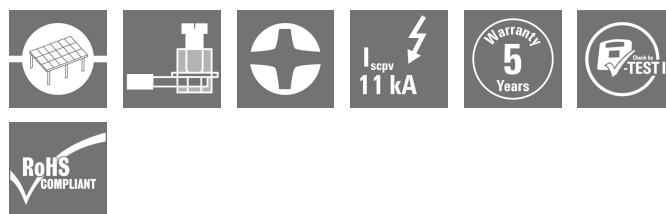


VPU PV II 3 R 1500**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Surge voltage arrester, Low voltage, with remote contact
Order No.	2530650000
Type	VPU PV II 3 R 1500
GTIN (EAN)	4050118540864
Qty.	1 ST

VPU PV II 3 R 1500

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E354261

Dimensions and weights

Depth	70 mm	Depth (inches)	2.7559 inch
Height	102 mm	Height (inches)	4.0157 inch
Width	54 mm	Width (inches)	2.126 inch
Mounting dimension - height	75 mm	Net weight	431 g

Temperatures

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

Environmental Product Compliance

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

Rated data UL

Ambient temperature (operational), max. 85 °C	Rated Voltage UN	1500 V
SCCR	In	20 kA
Category	SPD TYPE 1CA	Ambient temperature (operational), min. -40 °C
Certificate No. (cURus)	VPR (DC+/-DC-)	4000 V
VPR (DC-/G)	Voltage type	DC

Connection data, remote alert

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

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	with remote contact
Design	Installation housing; 3TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	black, orange	Protection degree	IP20
Rail	TS 35		

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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Technical data

Photovoltaic technical data

Standards	EN 61643-31, EN 50539-11, UL 1449	Protection level Up (+/-, -/PE, +/PE)	≤ 5,0 kV
Operating height in ungrounded PV system	≤ 4000 m	Short-circuit current ISCPV	11000 A
Total discharge current I _{total} (8/20μs)	40 kA	Discharge current I _n (8/20 μs)	20 kA
Requirements class	Type II	Operating height in the grounded PV system	≤ 2000 m
PV system voltage, max. U _{cpv}	1500 V		

Rated data IEC / EN

Number of poles	3	Leakage current at U _n	30 μA
Signalling contact	250 V 1A 1CO	Rated voltage (DC)	1500 V
Voltage type	DC	Response time	≤ 25 ns
Standards	EN 61643-31, EN 50539-11, UL 1449	Discharge current I _{max} (8/20μs) wire-PE30 kA	
SPD type	T2	Integrated back-up fuse	No

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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General data

Number of poles	3	Protection degree	IP20
Colour	black, orange		

Guarantee

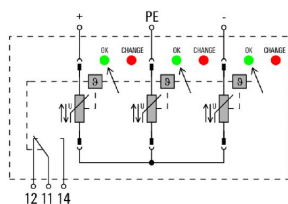
Time interval	5 years
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Classifications

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		

Drawings

Electric symbol



Circuit diagram

VPU PV II 3 R 1500

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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 ST	

Slotted screwdriver

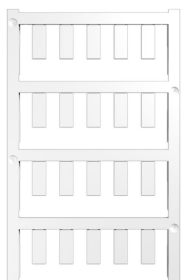


VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

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 ST	

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.

VPU PV II 3 R 1500

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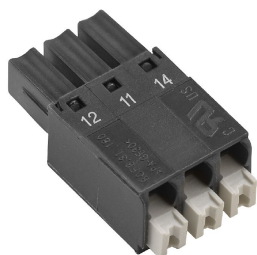
www.weidmueller.com

Accessories

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 ST	

VPU Series



Extensive accessories round off the product range

General ordering data

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

Spare Arrester



General ordering data

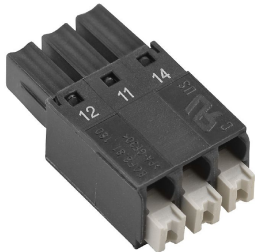
Type	VPU PV II 0 1500	Version
Order No.	2530630000	Surge voltage arrester, Low voltage, Accessories, Spare arrester
GTIN (EAN)	4050118540840	
Qty.	9 ST	

VPU PV II 3 R 1500**Weidmüller Interface GmbH & Co. KG**

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

Extensive accessories round off the product range

General ordering data

Type	VPU LOCKING CLIP S	Version
Order No.	2735080000	
GTIN (EAN)	4050118826050	
Qty.	10 ST	
Type	PLUG VPU AC	Version
Order No.	2855300000	
GTIN (EAN)	4064675533283	
Qty.	10 ST	