

VPU PV I+II O 1500

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

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage, Accessories, Spare arrester
Order No.	2530570000
Type	VPU PV I+II O 1500
GTIN (EAN)	4050118540482
Qty.	9 items

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E354261

Dimensions and weights

Depth	73.5 mm	Depth (inches)	2.8937 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	10.67 g		

Temperatures

Storage temperature	-40 °C...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	750 V
SCCR	65 kA	In	20 kA
Category	SPD TYPE 1CA	Ambient temperature (operational), min.	-40 °C
Certificate No. (cURus)	E354261	VPR (DC+/DC-)	4000 V
Voltage type	DC		

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Spare arrester
Design	Installation housing; 1TE	UL 94 flammability rating	V-0
Colour	orange	Protection degree	IP20
Operating altitude	<4,000 m, see operating instructions		

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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Photovoltaic technical data

Standards	EN 61643-31, EN 50539-11, UL 1449	Lightning test current limp (10/350 µs)	5 kA
Protection level Up (+/-, -/PE, +/PE)	≤ 5,0 kV	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 I/II	Operating height in the grounded PV system	≤ 2000 m

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Total discharge current I _{total} (10/350µs)	10 kA	PV system voltage, max. U _{cpv}	1500 V
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Rated data IEC / EN

Number of poles	1	Leakage current at U _n	30 µA
Signalling contact	No	Voltage type	DC
Fuse protection	No	Response time / fallback time	≤ 25 ns
Standards	EN 61643-31, EN 50539-11, UL 1449	Lightning test current I _{imp} (10/350 µs)	5 kA
Energy coordination (≤10 m)	Type I, Type II, Type III	SPD type	T1, T2
Integrated back-up fuse	No		

Connection data

Stripping length	18 mm	Type of connection	pluggable
Wire cross-section, solid, min.	1.5 mm ²	Wire cross-section, solid, max.	35 mm ²
Wire connection cross section, finely stranded, max.	35 mm ²		

Electrical data

Voltage type	DC
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General data

Number of poles	1	Protection degree	IP20
Colour	orange		

Guarantee

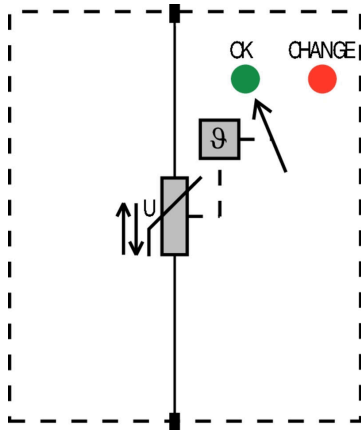
Time interval	5 years
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Classifications

ETIM 8.0	EC001457	ETIM 9.0	EC001457
ETIM 10.0	EC001457	ECLASS 14.0	27-17-14-03
ECLASS 15.0	27-17-14-03		

Drawings

Electric symbol



Circuit diagram