

Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	57.2 mm	Depth (inches)	2.252 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	9.44 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%

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Surge protection I / II, Spare arrester
Design	Installation housing; 1TE	UL 94 flammability rating	V-0
Colour	orange	Protection degree	IP20
Operating altitude	≤ 4000 m		

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	Lightning test current Iimp (10/350 μs)	5 kA
Protection level Up (+/-, -/PE, +/-PE)	≤ 3.8 kV	Short-circuit current ISCPV	11000 A
Total discharge current Itotal (8/20 μs)	50 kA	Discharge current In (8/20 μs)	20 kA
Requirements class	Type I/II	Operating height in the grounded PV system	≤ 2000 m
Total discharge current Itotal (10/350 μs)	6.25 kA	PV system voltage, max. Ucpv	1100 V

Rated data IEC / EN

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

VPU PV I+II 0 1000 E

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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		

Electric symbol



Circuit diagram