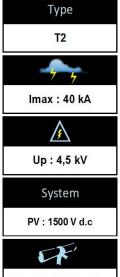
Product Data Sheet 2CTC433004D0201 OVR PV 40-1500 P BW 2CTB804153R2200

18/06/2015



IEC 61643-11 / EN 50539-11

Type 2 PV SPD's have characteristics of type 2, they are capable of discharging indirect lightning strikes causing induced or conducted overvoltages generally from earth to the Panel they have a low residual voltage (Up), which is compatible with the withstand voltage of the Panel and the PV Inverter. Higher is the Imax, more powerful they are. They are installed inside the string/combiner boxes but also inside the PV Inverter.

If the announced residual voltage (Up) is not compatible with the withstand voltage of the equipment to protect or if the cable length to the equipment is longer than 10m, another level of coordination with another OVR PV T2 will be needed.

- Din rail mounting
- No back up protection requiered
- Pro M compact design
- High performance
- 3 MOV varistors (L+/L-; L+/PE; L-/PE)
- Special "High d.c voltage" design



Key characteristics			
Protection mode			L-L/L-PE
Number of protected lines			2
Test class			
Integrated thermal disconnector			Yes
End of life indicator			Yes
Safety reserve			No
Electrical characteristics			
Nominal discharge current	/n (8/20)	kA	15
Maximal discharge current	I _{max} (8/20)	kA	40
Impulse current	limp (10/350)	kA	2
Maximal continuous operating voltage	U CPV (L-L)	V	1500
Maximal continuous operating voltage according	MCOV	V	1500
Voltage protection level at In	U _P (L-PE)	kV	4,5
Voltage protection level at In	U _P (L-L)	kV	4,5
Voltage protection rating according 🖲	VPR (L+/G, L-/G, L+/L-)	kV	4,5 / 4,5 / 4,5
Short circuit current	ISCPV	kA	10
Short circuit withstand according	ISCCR	kA	1
Voltage protection level at In Voltage protection level at In Voltage protection rating according (*) Short circuit withstand according (*) Ground residual current Required thermal/back up protection Curve B or C Circuit breaker gG - gL fuse Comments Mechanical characteristics	1 _{PE}	μA	< 10
Required thermal/back up protection			
Curve B or C Circuit breaker		A	-
gG - gL fuse		А	-
Comments	* SPD autoprotected up to Iscev up to 10 kA		
Mechanical characteristics			
Dimensions	H x W x D	mm	88 x 53.4 x 58
Wire range : Solid wire		mm ²	2.525
Wire range : Stranded wire		mm²	2.516
Stripping length		mm	12.5
Packing quantities		piece	Per 1
Miscellaneous characteristics			
Maximal altitude		m/f	2 000 / 6 562
Weight		g/p	360 / 0.75
Response time		ns	< 25
Fire resistance according to UL 94			V-0
Replacement cartridges			
Phase / Product ID	OVR PV 40-1500	С	2CTB803950R2000

