




OV PV T2 40-1000 P TS QS BULK **2CTB804153Z2500**

22/01/2016

Type
T2

I_{max} : 40 kA

U_p : 3,8 kV
System
PV : 1000 V d.c

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 (U_p), which is compatible with the withstand voltage of the Panel and the PV Inverter.

Higher is the I_{max}, more powerful they are.

They are installed inside the connection/string boxes but also near the PV Inverter.

If the announced residual voltage (U_p) 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 required
- Bottom wiring
- QuickSafe technology
- 3 MOV varistors (L+/L-; L+/PE; L-/PE)
- I_{scpv} up to 10 kA.



CHARACTERISTICS

Key characteristics			
Protection mode			L-L/L-PE
Number of protected lines			2
Test class			II
Integrated thermal disconnecter			Yes
End of life indicator			Yes
Safety reserve			No
Electrical characteristics			
Nominal discharge current	I _n (8/20)	kA	20
Maximal discharge current	I _{max} (8/20)	kA	40
Impulse current	I _{imp} (10/350)	kA	2
Maximal continuous operating voltage	U _{CPV} (L-L)	V	1100
Maximal continuous operating voltage according to ④	MCOV	V	-
Voltage protection level at I _n	U _p (L-PE)	kV	3,8
Voltage protection level at I _n	U _p (L-L)	kV	3,8
Voltage protection rating according to ④	VPR (L+/G, L-/G, L+/L-)	kV	- / - / -
Short circuit current	I _{SCPV}	kA	10
Short circuit withstand according to ④	I _{SCCR}	kA	-
Ground residual current	I _{PE}	μA	< 10
Required thermal/back up protection			
Curve B or C Circuit breaker	A	-	-
gG - gL fuse	A	-	-
Comments			
Mechanical characteristics			
Dimensions	H x W x D	mm	95 x 53.4 x 58
Wire range : Solid wire		mm ²	2.5...25 / 4...14
Wire range : Stranded wire		mm ²	2.5...16 / 6...14
Stripping length		mm	12.5 / 0.5
Packing quantities		piece	Per 30
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 T2 40-1000 C QS		2CTB804153R3200

