




OVR PV T2 40-1500 P QS BULK **2CTB804153Z2600**

05/06/2018

Type
UL : Type 1 CA IEC : Type 2

I _{max} : 40 kA

U _p : 4,2 kV
System
PV : 1500 V d.c

EN 50539-11 UL 1449 Ed4

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.

- Certified to last UL 1449 4ed and according to EN 50539
- No back up protection required up to I_{scpv}/SCCR : 10 kA
- Bottom wiring
- Patented QuickSafe technology
- 3 MOV varistors (L+/L-; L+/PE; L-/PE)



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	10
Maximal discharge current	I _{max} (8/20)	kA	40
Impulse current	I _{imp} (10/350)	kA	-
Maximal continuous operating voltage	U _{CPV} (L-L)	V	-
Maximal continuous operating voltage according	MCOV	V	-
Voltage protection level at I _n	U _p (L-PE)	kV	4,2
Voltage protection level at I _n	U _p (L-L)	kV	4,2
Voltage protection rating according	VPR (L+/G, L-/G, L+/L-)	kV	- / - / -
Short circuit current	I _{SCPv}	kA	10
Short circuit withstand according	SCCR	kA	10
Ground residual current	I _{PE}	μA	< 1000
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	88x53.4x58
Wire range : Solid wire		mm ²	2.5 ... 35 / 2...14
Wire range : Stranded wire		mm ²	2.5 ... 25 / 4...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 40-1500 C QS 2CTB804153R3300		

