## OVR PV T2 40-1500 P QS

## 2CTB804153R2600

08/06/2018

EAN: 3660308526465 FR: B752646

Type

UL : Type 1 CA IEC : Type 2 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.

+ +

Imax: 40 kA

Higher is the Imax, more powerful they are.

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

**\$** 

Up: 4,2 kV

System

PV: 1500 V d.c

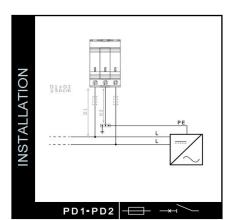


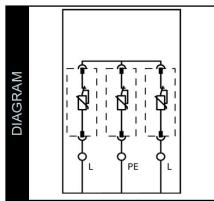
EN 50539-11 UL 1449 4 ed • Certified to lastest UL 1449 4ed and according to EN 50539-11

- No back up protection required up to Iscpv/SCCR: 10 kA
- Bottom wiring
- Patented QuickSafe technology
- 3 MOV varistors (L+/L-; L+/PE; L-/PE)



| Key characteristics                            |                           |                           |                       |               |
|--|---------------------------|---------------------------|-----------------------|---------------|
| Protection mode                                |                           |                           |                       | L-L/L-PE      |
| Number of protected lines                      |                           |                           |                       | 2             |
| Test class                                     |                           |                           |                       | II / 1 C.A    |
| Integrated thermal disconnector                |                           |                           |                       | Yes           |
| End of life indicator                          |                           |                           |                       | Yes           |
| Safety reserve                                 |                           |                           |                       | No            |
| Electrical characteristics                     |                           |                           |                       |               |
| Nominal discharge current                      |                           | In (8/20)                 | kA                    | 10            |
| Maximal discharge current                      |                           | I <sub>max</sub> (8/20)   | kA                    | 40            |
| Impulse current                                |                           | I <sub>imp</sub> (10/350) | kA                    | 2             |
| Maximal continuous operating voltage           |                           | U CPV (L-L)               | V                     | 1500          |
| Maximal continuous operating voltage according | <u></u>                   | MCOV                      | V                     | 1500          |
| Voltage protection level at In                 |                           | U <sub>P</sub> (L-PE)     | kV                    | 4,2           |
| Voltage protection level at In                 |                           | U <sub>p</sub> (L-L)      | kV                    | 4,2           |
| Voltage protection rating according (9)        |                           | VPR (L+/G, L-/G, L+/L-)   | kV                    | 4/4/4         |
| Short circuit current                          |                           | Iscpv                     | kA                    | 10            |
| Short circuit withstand according              |                           | Sccr                      | kA                    | 10            |
| Ground residual current                        |                           | I <sub>PE</sub>           | μΑ                    | < 1000        |
| Required thermal/back up protection            |                           |                           |                       |               |
| Curve B or C Circuit breaker                   |                           |                           | Α                     | =             |
| gG - gL fuse                                   |                           |                           | Α                     | =             |
| Comments                                       | If Iscpv > 10kA: 10A g PV |                           |                       |               |
| Mechanical characteristics                     |                           |                           |                       |               |
| Dimensions                                     |                           | HxWxD                     | mm                    | 88x53.4x58    |
| Wire range : Solid wire                        |                           |                           | mm <sup>2</sup> / AWG | 2.5 35 / 214  |
| Wire range : Stranded wire                     |                           |                           | mm <sup>2</sup> / AWG | 2.5 25 / 414  |
| Stripping length                               |                           |                           | mm / inch             | 12.5 / 0.5    |
| Packing quantities                             |                           |                           | piece                 | Per 1         |
| Miscellaneous characteristics                  |                           |                           |                       |               |
| Maximal altitude                               |                           |                           | m/ft                  | 2 000 / 6 562 |
| Weight   |                           |                           | g/lb                  | 360/0.75      |
| Response time                                  |                           |                           | ns                    | < 25          |
| Fire resistance according to UL 94             |                           |                           |                       | V-0           |
| Pontocoment contridace                         |                           |                           |                       |               |

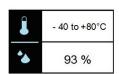






Replacement cartridges

Phase / Product ID Neutral / Product ID





OVR PV T2 40-1500 C QS



2CTB804153R3300





