



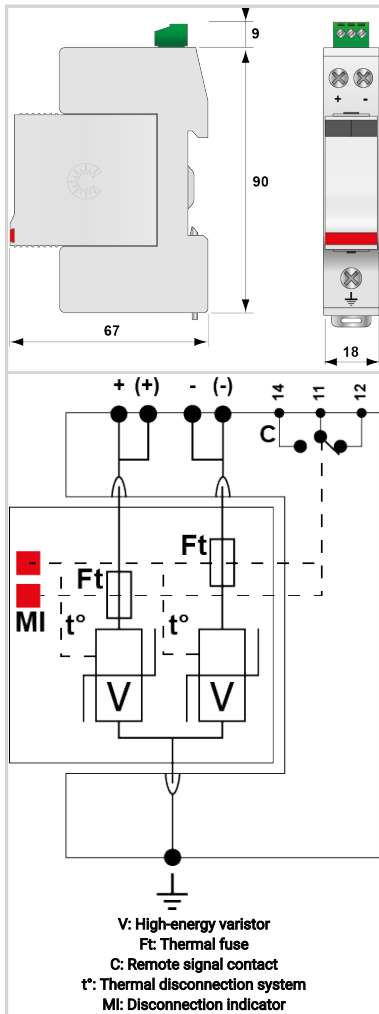
# CITEL

## DC Power SPD- I<sub>max</sub> 40kA - In 20kA - Modular

### DS240S-350DC



- MOV Technology
- UL1449 Type 4CA
- 40kA Surge Current Rating per module
- Visual fault indicator and remote contacts
- 10-Year warranty



| Electrical Characteristics   |                        |  |
|--|------------------------|--|
| Network  |                        | DC or PV network 350Vdc  |
| Max. AC operating voltage  | Uc                     | 350 Vac  |
| Max. DC operating voltage  | Uc                     | 460 Vdc  |
| Max. load current @25°C  | IL                     | 50 A   |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>        | I <sub>max</sub>       | 40 kA  |
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 μs</i> | I <sub>max</sub> Total | 80 kA  |
| Connection mode(s)   |                        | +/-PE and -/PE   |
| Protection mode(s)   |                        | Common mode  |
| POWER SPD TYPE   |                        | UL1449 5th Ed. TYPE 4CA  |
| VOLTS  | (V)                    | 350  |
| AC/DC/DC PV/RF   |                        | DC   |
| PHASE  | (PH)                   |  |
| AMPS   | (A)                    | N/A  |
| AMBIENT MIN  | (C)                    | -40  |
| AMBIENT MAX  | (C)                    | +85  |
| MODES  |                        | DC+-DC-,DC+G,DC-G,   |
| MLV DC   | (V)                    | 2820/1410/1410   |
| MCOV   | (V)                    | 350/350/350  |
| IN<br><i>15 impulses 8/20μs</i>  | (kA)                   | 10   |
| SCCR   | (kA)                   | n/a  |
| IMAX<br><i>8/20μs</i>  | (kA)                   | 40   |
| Mechanical Characteristics   |                        |  |
| Technology   |                        | MOV  |
| Connection to Network  |                        | By screw terminals: 1.5-10mm <sup>2</sup> (actives wires) and 2.5-25mm <sup>2</sup> (ground) |
| Format   |                        | Plug-in modular box  |
| Mounting   |                        | Symmetrical rail 35 mm (EN 60715)  |
| Operating temperature  | Tu                     | -40/+85°C  |
| Protection rating  |                        | IP20   |
| Failsafe mode  |                        | Disconnection from DC network  |
| TECHNOLOGY   |                        | MOV  |
| NETWORK CONFIGURATION  |                        | 2W+G   |
| CONNECTION METHOD  |                        | SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG   |
| MOUNTING   |                        | Wall mount   |
| MATERIAL   |                        | Thermoplastic UL94-V0  |
| NEMA RATING (IP RATING)  |                        | NEMA 2 (IP20)  |
| FAIL-SAFE BEHAVIOR   |                        | Disconnection via fuse-link  |
| REAL-TIME DIAGNOSTICS  |                        | Visual indicator and remote contacts   |
| DIMENSIONS   |                        | See diagram  |
| WEIGHT   |                        | 0.30 lbs   |



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### DS240S-350DC

|                         |  |
|-------------------------|--|
| SPARE PART              | DSM240S-350DC                                      |
| <b>Standards</b>        |  |
| Certification           | cRUus  |
| Environmental standards | EU RoHS  |
| UL STANDARD             | UL1449 5th Edition                                 |
| UL CATEGORY             | VZCA2, VZCA8                                       |
| UL FILE NUMBER          | E326289  |
| STANDARDS               | IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| <b>Part number</b>      |  |
| <b>310911</b>           |  |

