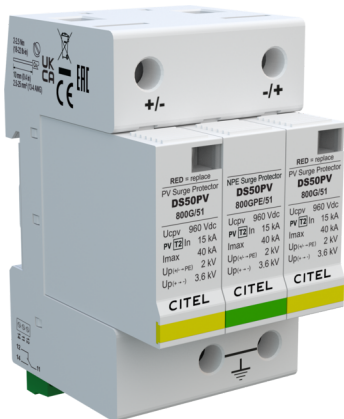
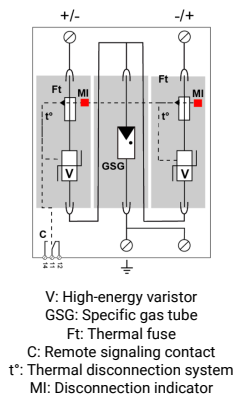
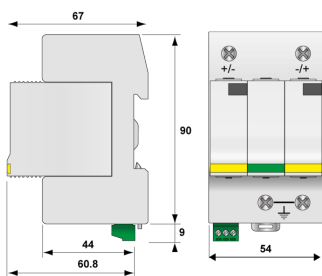




- ✦ Type 2 surge protector for PV
- ✦ In : 15kA / I<sub>max</sub> : 40kA
- ✦ Pluggable
- ✦ Remote signaling
- ✦ UL1149 ed.5 certified
- ✦ IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



#### Electrical Characteristics

|                                                                |                        |                          |
|----------------------------------------------------------------|------------------------|--------------------------|
| SPD type                                                       | IEC                    | 2                        |
| Network                                                        |                        | PV network 800 Vdc       |
| Nominal PV voltage                                             | U <sub>ocstc</sub>     | 800 Vdc                  |
| Max. PV operating voltage                                      | U <sub>cpv</sub>       | 960 Vdc                  |
| Residual Current Leakage current to Ground                     | I <sub>pe</sub>        | None                     |
| PV Permanent Operating current                                 | I <sub>cpv</sub>       | < 0.1 mA                 |
| Current consumption at U <sub>cpv</sub>                        |                        |                          |
| Follow current                                                 | I <sub>f</sub>         | None                     |
| Nominal discharge current 15 x 8/20 μs impulses                | I <sub>n</sub>         | 15 kA                    |
| Max. discharge current max. withstand @ 8/20 μs by pole        | I <sub>max</sub>       | 40 kA                    |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I <sub>max Total</sub> | 60 kA                    |
| Current withstand short circuit PV                             | I <sub>scpv</sub>      | 15 000 A                 |
| Connection mode(s)                                             |                        | +/-/PE                   |
| Protection mode(s)                                             |                        | Common/Differential mode |
| Protection level +/- @ I <sub>n</sub> (8/20μs)                 | U <sub>p</sub>         | 3.6 kV                   |
| Protection level +/-PE (-/PE) @ I <sub>n</sub> (8/20μs)        | U <sub>p</sub>         | 2 kV                     |

#### Mechanical Characteristics

|                                   |                |                                                    |
|-----------------------------------|----------------|----------------------------------------------------|
| Technology                        |                | MOV+GDT                                            |
| Connection to Network             |                | By screw terminals: 2.5-25mm <sup>2</sup> / by bus |
| Format                            |                | Plug-in modular box                                |
| Mounting                          |                | Symmetrical rail 35 mm (EN 60715)                  |
| Housing material                  |                | Thermoplastic UL94 V-0                             |
| Operating temperature             | T <sub>u</sub> | -40/+85°C                                          |
| Protection rating                 |                | IP20                                               |
| Failsafe mode                     |                | Disconnection SPD of the PV line                   |
| Disconnection indicator           |                | 2 mechanical indicators                            |
| Spare module(s)                   |                | DSM50PV-800G/51                                    |
| Remote signaling of disconnection |                | Output on changeover contact                       |
| Dimensions                        |                | See diagram                                        |

#### Disconnectors

|                           |  |          |
|---------------------------|--|----------|
| Thermal disconnector      |  | Internal |
| Back-up protection device |  | Without  |

#### Standards

|                      |  |                                                        |
|----------------------|--|--------------------------------------------------------|
| Standards compliance |  | IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5 |
| Certification        |  |                                                        |

#### Part number

480291