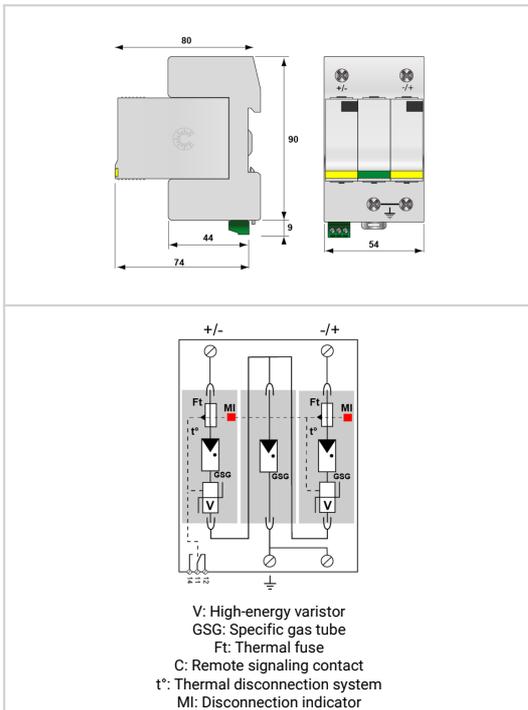


- ✦ Type 2 surge protector for photovoltaic
- ✦ VG technology
- ✦ 600 Vdc
- ✦ No leakage, no operating currents
- ✦ Improved life expectancy
- ✦ In/Imax : 15 / 40 kA
- ✦ Common/Differential mode protection
- ✦ Remote signaling
- ✦ IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



| Electrical Characteristics                                     |            |  |  |
|--|------------|--|--|
| SPD type   | IEC        |  | 2  |
| Network  |            |  | PV 500 Vdc   |
| Nominal PV voltage   | Uocstc     |  | 600 Vdc  |
| Max. PV operating voltage                                      | Ucpv       |  | 720 Vdc  |
| Residual Current Leakage current to Ground                     | Ipe        |  | None   |
| PV Permanent Operating current Current consumption at Ucpv     | Icpv       |  | None   |
| Follow current   | If         |  | None   |
| Nominal discharge current 15 x 8/20 μs impulses                | In         |  | 15 kA  |
| Max. discharge current max. withstand @ 8/20 μs by pole        | Imax       |  | 40 kA  |
| Total Maximum discharge current max. total withstand @ 8/20 μs | Imax Total |  | 60 kA  |
| Current withstand short circuit PV                             | Iscpv      |  | 1000 A   |
| Connection mode(s)   |            |  | +/-/PE   |
| Protection mode(s)   |            |  | Common/Differential mode                               |
| Protection level +/- @ In (8/20μs)                             | Up         |  | 3.4 kV   |
| Protection level +/-PE (-/PE) @ In (8/20μs)                    | Up         |  | 2.2 kV   |
| Mechanical Characteristics                                     |            |  |  |
| Technology   |            |  | VG Technology (MOV+GSG)                                |
| Connection to Network  |            |  | By screw terminals: 2.5-25mm <sup>2</sup>              |
| Format   |            |  | Plug-in modular box                                    |
| Mounting   |            |  | Symmetrical rail 35 mm (EN 60715)                      |
| Housing material   |            |  | Thermoplastic UL94 V-0                                 |
| Operating temperature  | Tu         |  | -40/+85°C  |
| Protection rating  |            |  | IP20   |
| Failsafe mode  |            |  | Disconnection SPD of the PV line                       |
| Disconnection indicator  |            |  | 2 mechanical indicators                                |
| Spare module(s)  |            |  | DSM50VGPV-600G/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 |
| Part number  |            |  |  |
| 481411   |            |  |  |