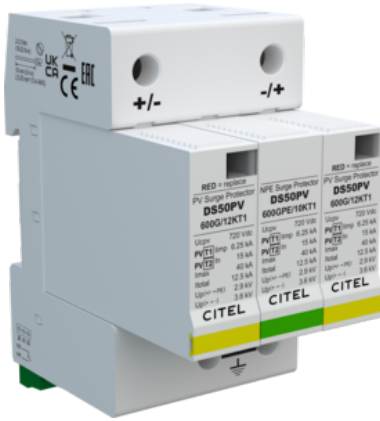


DS50PVS-600G/12KT1



- Type 1+2 surge protector for Photovoltaic
- Impulse currents I_{limp}/I_{total} : 6.25/12.5 kA (10/350 μ s)
- Common/Differential mode protection
- Remote signaling
- EN 50539-11/ 61643-31 compliance



| Electrical Characteristics | | |
|---|------------------------|---|
| SPD type | | 1+2 |
| Network | | PV network 600 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 | < 0.1 mA |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 μ s impulses | In | 15 kA |
| Max. discharge current max. withstand @ 8/20 μ s by pole | I _{max} | 40 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μ s | I _{max} Total | 60 kA |
| Impulse current by pole max. withstand 10/350 μ s by pole | I _{limp} | 6.25 kA |
| Total lightning current max. total withstand @ 10/350 μ s | I _{total} | 12.5 kA |
| Current withstand short circuit PV | I _{scpv} | 15 000 A |
| Connection mode(s) | | +/-/PE |
| Protection mode(s) | | Common/Differential mode |
| Protection level +/-@ In (8/20 μ s) | Up | 3.6 kV |
| Protection level +/-PE (-/PE)@ In (8/20 μ s) | Up | 2.9 kV |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| Connection to Network | | By screw terminals: 2.5-25mm ² |
| Format | | Plug-in modular box |
| Plugable | | Yes |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-2 |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Outdoor application | | No |
| Disconnection indicator | | 2 mechanical indicators |
| Spare module(s) | | DSM50PVS-600G/12KT1 + DSM50PVS-600GPE/12KT1 |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.328 kg |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Fuses | | Without |
| Standards | | |
| Standards compliance | | EN 61643-31 / EN 50539-11 |
| Part number | | 482443 |