



NEW CITEL PV SPD

- Type 1+2+3 surge protector for Photovoltaic
- CTC Technology
- VG Technology
- Impulse currents I_{imp}/I_{total} : 6.25/12.5 kA (10/350 μ s)
- Common/Differential mode protection
- Remote signaling
- IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



Electrical Characteristics

| | | |
|---|------------------------|--------------------------|
| SPD type | | 1+2+3 |
| Network | | PV 1500 Vdc |
| Nominal PV voltage | Uocstc | 1250 Vdc |
| Max. PV operating voltage | Ucpv | 1500 Vdc |
| Residual Current | | |
| Leakage current to Ground | I _{pe} | None |
| PV Permanent Operating current | I _{cpv} | None |
| Current consumption at Ucpv | | |
| Follow current | I _f | None |
| Nominal discharge current | I _n | 20 kA |
| 15 x 8/20 μ s impulses | | |
| Max. discharge current | I _{max} | 40 kA |
| max. withstand @ 8/20 μ s by pole | | |
| Total Maximum discharge current | I _{max Total} | 60 kA |
| max. total withstand @ 8/20 μ s | | |
| Impulse current by pole | I _{imp} | 6.25 kA |
| max. withstand 10/350 μ s by pole | | |
| Total lightning current | I _{total} | 12.5 kA |
| max. total withstand @ 10/350 μ s | | |
| Withstand on Combination waveform IEC 61643-11 | | |
| Class III test: 1.2/50 μ s - 8/20 μ s | U _{oc} | 6 kV |
| Current withstand short circuit PV | I _{scpv} | 15 000 A |
| Connection mode(s) | | +/-/PE |
| Protection mode(s) | | Common/Differential mode |
| Protection level +/-PE (-/PE) @ I _n (8/20 μ s) | U _p | 4.8 kV |

Mechanical Characteristics

| | | |
|-----------------------------------|----------------|---|
| Technology | | VG Technology (MOV+GSG) |
| Connection to Network | | By screw terminals: 2.5-25mm ² (35mm ²) / by bus |
| Format | | Compact monobloc box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | All pole disconnection from PV network |
| Disconnection indicator | | 1 mechanical indicator - Red/Green |
| Remote signaling of disconnection | | Option DPVN1-6CVGS-21Y-1500 - output on changeover contact |
| Dimensions | | See diagram - 2.5TE (EN43880) |

Disconnectors

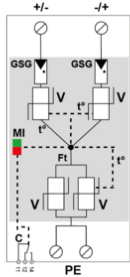
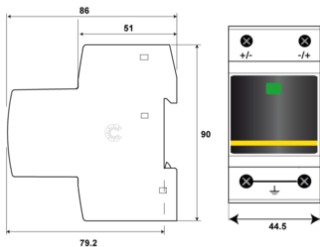
| | | |
|---------------------------|--|---------------------------|
| Thermal disconnector | | CTC Technology integrated |
| Back-up protection device | | Without |

Standards

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

Part number

| | | |
|-------------|--|----------|
| Part number | | 65221103 |
|-------------|--|----------|



V: High-energy varistor
 GSG: Specific Gas Tube
 Ft: Thermal fuse
 t*: Thermal disconnection system
 MI: Mechanical status indicator

