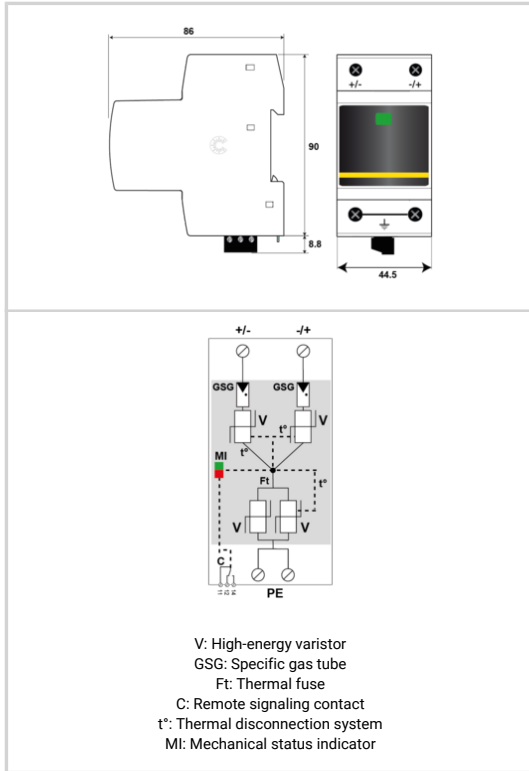




NEW CITEL PV SPD

- Type 1+2+3 surge protector for Photovoltaic
- CTC Technology
- VG Technology
- Impulse currents  $I_{limp}/I_{total}$ : 6.25/12.5 kA (10/350 $\mu$ 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 600 Vdc  |
| Nominal PV voltage  | Uocstc                 | 500 Vdc   |
| Max. PV operating voltage   | Ucpv                   | 600 Vdc   |
| Residual Current<br>Leakage current to Ground   | Ipe                    | None  |
| PV Permanent Operating current<br>Current consumption at Ucpv                                   | Icpv                   | None  |
| Follow current  | If                     | None  |
| Nominal discharge current<br>15 x 8/20 $\mu$ s impulses   | In                     | 20 kA   |
| Max. discharge current<br>max. withstand @ 8/20 $\mu$ s by pole                                 | I <sub>max</sub>       | 40 kA   |
| Total Maximum discharge current<br>max. total withstand @ 8/20 $\mu$ s                          | I <sub>max</sub> Total | 60 kA   |
| Impulse current by pole<br>max. withstand 10/350 $\mu$ s by pole                                | I <sub>limp</sub>      | 6.25 kA   |
| Total lightning current<br>max. total withstand @ 10/350 $\mu$ s                                | I <sub>total</sub>     | 12.5 kA   |
| Withstand on Combination waveform IEC 61643-11<br>Class III test: 1.2/50 $\mu$ s - 8/20 $\mu$ s | Uoc                    | 6 kV  |
| Current withstand short circuit PV  | I <sub>scpv</sub>      | 15 000 A  |
| Connection mode(s)  |                        | +/-/PE  |
| Protection mode(s)  |                        | Common/Differential mode  |
| Protection level +/-<br>@ In (8/20 $\mu$ s)   | Up                     | 2.3 kV  |
| Protection level +/-PE (-/PE)<br>@ In (8/20 $\mu$ s)  | Up                     | 2.3 kV  |
| Mechanical Characteristics  |                        |   |
| Technology  |                        | VG Technology (MOV+GSG)   |
| Connection to Network   |                        | By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> ) / by bus |
| Format  |                        | Compact monobloc 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   |                        | All pole disconnection from PV network                                  |
| Disconnection indicator   |                        | 1 mechanical indicator - Red/Green                                      |
| Remote signaling of disconnection   |                        | Output on changeover contact  |
| Max. Voltage/Current for remote signaling   |                        | 250 V / 0.5 A (AC) / 30 V / 3 A (DC)                                    |
| Dimensions  |                        | See diagram - 2.5TE (EN43880)   |
| Weight  |                        | 0.360 kg  |
| 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   |                        |   |
|   |                        | 65222101  |

