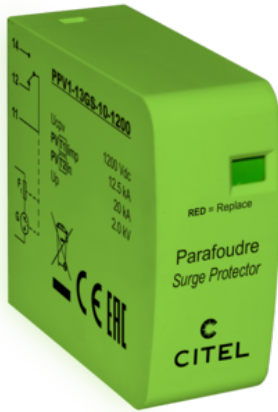




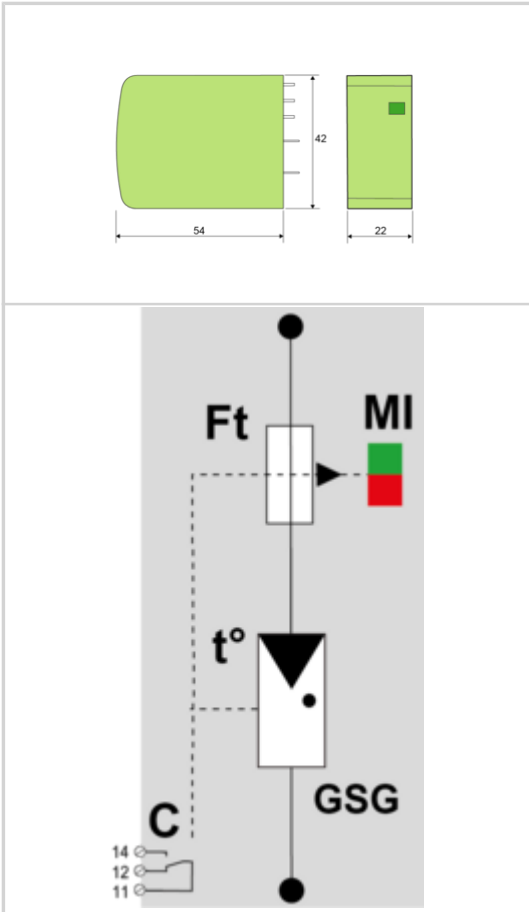
# Type 1+2 PV Surge Protector for PCB mounting

# CITEL

## PPV1-13GS-1200



- Type 1+2 surge protector for Photovoltaic
- PCB mounting
- $I_{imp} : 12.5 \text{ kA} (10/350 \mu\text{s})$
- Remote signaling
- EN 50539-11 and IEC 61643-31 compliance\*



| Electrical Characteristics  |       |   |
|---|-------|---|
| SPD type  |       | 1+2   |
| Max. PV operating voltage   | Ucpv  | 1200 Vdc  |
| PV Permanent Operating current<br><i>Current consumption at Ucpv</i>            | Icpv  | < 0.1 mA  |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>                       | In    | 20 kA   |
| Impulse current by pole<br><i>max. withstand 10/350μs by pole</i>               | Iimp  | 12.5 kA   |
| Current withstand short circuit PV  | Iscpv | 15 000 A  |
| Protection level<br><i>@ In (8/20μs)</i>  | Up    | 2 kV  |
| Protection level (star mounting)<br><i>(+/-) / (+/PE or -/PE) @ In (8/20μs)</i> | Up    | 4 kV  |
| Mechanical Characteristics  |       |   |
| Technology  |       | Gas discharge tube  |
| Connection to Network   |       | Through soldering pins  |
| Mounting  |       | On Printed Circuit Board  |
| Housing material  |       | Thermoplastic UL94 V-0  |
| Operating temperature   | Tu    | -40/+85°C   |
| Protection rating   |       | IP20  |
| Disconnection indicator   |       | Mechanical indicator  |
| Remote signaling of disconnection   |       | Output on changeover contact  |
| Dimensions  |       | See diagram   |
| Weight  |       | 0.033 kg  |
| Disconnectors   |       |   |
| Thermal disconnector  |       | Internal  |
| Back-up protection device   |       | Without   |
| Standards   |       |   |
| Standards compliance  |       | IEC 61643-31 / EN 50539-11 *The standard cover devices. PPV /PAC series are components. Compliant when combined is an assembly. |
| Part number   |       |   |
| 8724608   |       |   |

