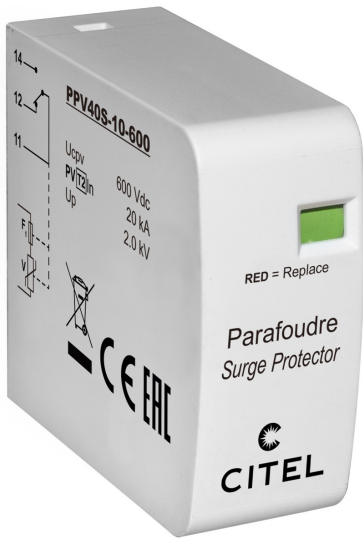




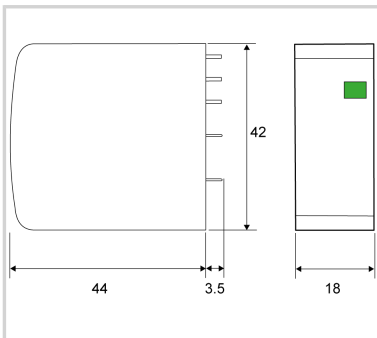
CITEL

Type 2 PV Surge Protector for PCB mounting

PPV40S-10-600



- Type 2 surge protector for Photovoltaic
- PCB mounting
- I_{max}: 40 kA
- Remote signaling
- EN 50539-11 and IEC 61643-31 compliance*



Electrical Characteristics

| | | |
|--|--------------------|--------------------------|
| SPD type | IEC | 2 |
| Nominal PV voltage | U _{ocstc} | 600 Vdc |
| Max. PV operating voltage | U _{cpv} | 600 Vdc |
| Max. PV operating voltage (star mounting) | U _{cpv} | 1200 Vdc |
| Residual Current | I _{pe} | None |
| Leakage current to Ground | I _{pe} | None |
| PV Permanent Operating current | I _{cpv} | < 0.1 mA |
| Current consumption at U _{cpv} | I _{cpv} | < 0.1 mA |
| Follow current | I _f | None |
| Nominal discharge current | I _n | 20 kA |
| 15 x 8/20 μs impulses | I _n | 20 kA |
| Max. discharge current | I _{max} | 40 kA |
| max. withstand @ 8/20 μs by pole | I _{max} | 40 kA |
| Current withstand short circuit PV | I _{scpv} | 15 000 A |
| Connection mode(s) | | +/-/PE |
| Protection mode(s) | | Common/Differential mode |
| Protection level | U _p | 2 kV |
| @ I _n (8/20μs) | U _p | 2 kV |
| Protection level (star mounting) | U _p | 4 kV |
| (+/-) / (+/PE or -/PE) @ I _n (8/20μs) | U _p | 4 kV |
| Protection level +/- | U _p | 5.1 kV |
| @ I _n (8/20μs) | U _p | 5.1 kV |
| Protection level +/-PE (-/PE) | U _p | 2.5 kV |
| @ I _n (8/20μs) | U _p | 2.5 kV |

Mechanical Characteristics

| | | |
|-----------------------------------|----------------|----------------------------------|
| Technology | | MOV |
| Connection to Network | | Through soldering pins |
| Format | | Plug-in modular box |
| Mounting | | On Printed Circuit Board |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection SPD of the PV line |
| Disconnection indicator | | 1 mechanical indicator |
| Spare module(s) | | DSM50PV-600 |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.059 kg |
| Weight | | 0.058 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

| | | |
|-------------|--|---------|
| Part number | | 8722203 |
|-------------|--|---------|

