



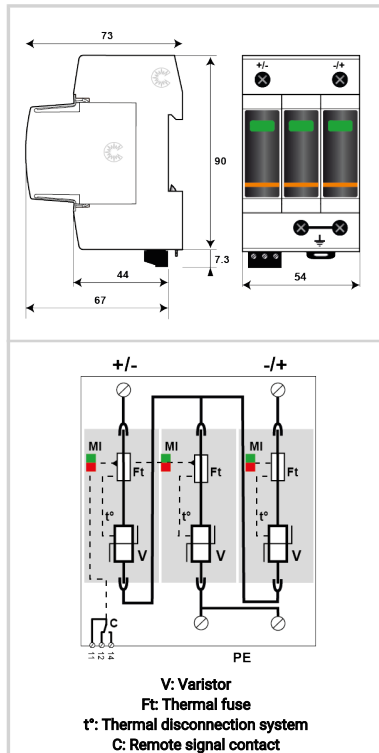
CITEL

DC power surge protector

DDC50S-21Y-1500



- DC power Type 2 SPD
- For Energy Storage/EV Charging
- In/Imax: 20/50 kA
- Pluggable modules
- Remote signaling
- prIEC 61643-41 compliance



Electrical Characteristics

| | | |
|--|-------|-----------|
| SPD type | IEC | 2 |
| Nominal DC voltage | Un-dc | 1200 Vdc |
| Max. DC operating voltage | Uc | 1500 Vdc |
| Residual Current <i>Leakage current to Ground</i> | Ipe | < 0.2 mA |
| Nominal discharge current <i>15 x 8/20 μs impulses</i> | In | 20 kA |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | Imax | 50 kA |
| Impulse current by pole <i>max. withstand 10/350 μs by pole</i> | Iimp | 4 kA |
| Protection level +/- <i>@ In (8/20 μs)</i> | Up | 5.1 kV |
| Admissible short-circuit current | Iscsr | 100 000 A |

Mechanical Characteristics

| | | |
|---|----|---|
| Connection to Network | | By screw terminals: 2.5-25 mm ² (35 mm ² rigid) |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from DC network |
| Disconnection indicator | | 1 mechanical indicator by pole - Red/Green |
| Spare module(s) | | MDDC50-1500 |
| Remote signaling of disconnection | | output on changeover contact |
| Wiring for remote signaling | | 1.5 mm ² max. |
| Max. Voltage/Current for remote signaling | | 250 V / 0.5 A (AC) / 30 V / 3 A (DC) |
| Dimensions | | See diagram - 3 TE (EN43880) |
| APPLICATION | | ENERGY STORAGE SYSTEMS (ESS) /EV CHARGING |

Disconnectors

| | | |
|---------------------------|--|--|
| Thermal disconnector | | Internal |
| Back-up protection device | | 50 A min. (Iscsr 100 kA) - 125 A max. (Iscsr 50 kA) - gBat Fuses |

Standards

| | | |
|-------------------------|--|------------------------------|
| Standards compliance | | prIEC 61443-41 - IEC61643-11 |
| Environmental standards | | EU RoHS |

Part number

828511663

