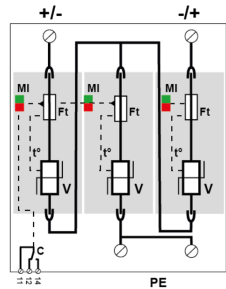
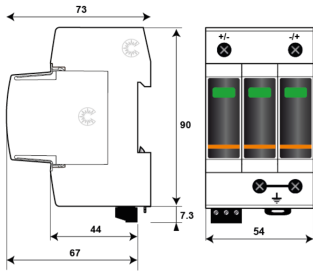


DDC50S-21Y-1200



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



V: Varistor
Ft: Thermal fuse
t*: Thermal disconnection system
C: Remote signal contact

| Electrical Characteristics | | |
|---|---|-----------|
| SPD type | IEC | 2 |
| Nominal DC voltage | Un-dc | 1000 Vdc |
| Max. DC operating voltage | Uc | 1200 Vdc |
| Residual Current Leakage current to Ground | Ipe | < 0.1 mA |
| Nominal discharge current 15 x 8/20 μs impulses | In | 20 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | Imax | 50 kA |
| Impulse current by pole max. withstand 10/350μs by pole | Iimp | 4 kA |
| Protection level +/- @ In (8/20μs) | Up | 3.6 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) | MDDC50-1200 | |
| 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) | |
| Weight | 0.333 kg | |
| 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 | |
| Part number | | |
| 828511563 | | |