



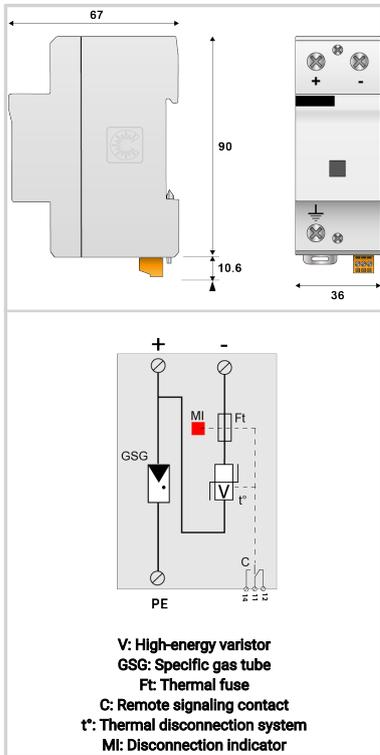
CITEL

1-pole Type 1 and Type 2 SPD for 48 Vdc

DS252C-48DC/G



- 2-poles surge protector 48 Vdc
- Type 1 and Type 2 application
- In 25 kA / I_{max} 70 kA
- Remote signaling
- I_{imp} 25 kA
- IEC 61643-11 and EN61643-11 compliance



| Electrical Characteristics | | |
|-----------------------------------|------------------------|--|
| SPD type | IEC | 1+2 |
| Network | | 48 Vdc |
| Nominal line voltage | U _n | 48 Vdc |
| Nominal DC voltage | U _{n-dc} | 48 Vdc |
| Max. DC operating voltage | U _c | 75 Vdc |
| Residual Current | I _{pe} | None |
| Leakage current to Ground | | |
| Follow current | I _f | None |
| Nominal discharge current | I _n | 25 kA |
| 15 x 8/20 μs impulses | | |
| Max. discharge current | I _{max} | 70 kA |
| max. withstand @ 8/20 μs by pole | | |
| Total Maximum discharge current | I _{max Total} | 140 kA |
| max. total withstand @ 8/20 μs | | |
| Impulse current by pole | I _{imp} | 25 kA |
| max. withstand 10/350 μs by pole | | |
| Total lightning current | I _{total} | 50 kA |
| max. total withstand @ 10/350 μs | | |
| Specific energy by pole | W/R | 156 kJ/ohm |
| max. withstand 10/350 μs | | |
| Connection mode(s) | | +/- and +/-PE |
| Protection mode(s) | | Common/Differential mode |
| Protection level +/- | U _p | 0.5 kV |
| @ I _n (8/20 μs) | | |
| Protection level +/-PE (-/PE) | U _p | 1.5 kV |
| @ I _n (8/20 μs) | | |
| Admissible short-circuit current | I _{scrr} | 50 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| SPD configuration | | 2-poles |
| Connection to Network | | By screw terminals: 6-35mm ² / by bus |
| Format | | 1-pole modular box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from DC network |
| Disconnection indicator | | 1 mechanical indicator |
| Spare module(s) | | DSM70R-48DC |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Back-up protection device | | Fuses type gG - 315 A |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | cRUus |
| Environmental standards | | EU RoHS |
| Part number | | |
| 3415 | | |

