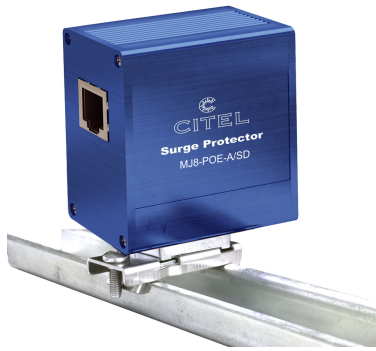




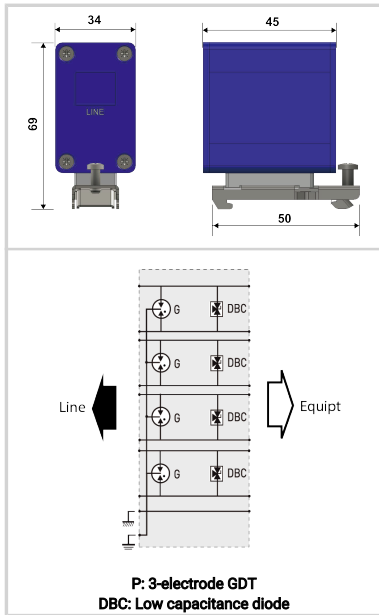
CITEL



RJ45 surge protector for POE++

MJ8-POE-A/SD

- ▶ POE++ compatible
- ▶ Strong mounting for DIN-rail for vibration environments
- ▶ Gigabit Ethernet (Cat.5E)
- ▶ Shielded enclosure and connectors
- ▶ 2 kA discharge capability
- ▶ IEC 61643-21, EN 61643-21 compliance



| Electrical Characteristics | | |
|---|---------|---|
| Network | | Gigabit Ethernet (Cat.5E) |
| Nominal line voltage | Un | 48 Vdc |
| Max. DC operating voltage | Uc | 60 Vdc |
| Max. frequency | f max. | 250 MHz |
| Max. data rate | | 10/100/1000 Mbps |
| Insertion loss | | < 1 dB |
| Max. load current @25°C | IL | 2 A |
| Max. POE power (4PPOE) | | 90 W |
| Nominal Discharge Current, X-C (Line/Earth) 8/20µs Test x 10 - C2 Category | In L/PE | 2000 A |
| Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line) | Up | 70 V |
| Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth) | Up | 70 V |
| Impulse current 2 x 10/350µs Test - D1 Category | Iimp | 500 A |
| Line/Line Nominal discharge current C2 Category | In L/L | 500 A |
| Mechanical Characteristics | | |
| Technology | | GDT+TVS diode |
| SPD configuration | | 8 wires+shielded |
| Connection to Network | | RJ45 shielded connectors Female input/output |
| Format | | Metallic box with connectors input/output |
| Mounting | | Mounting flange,Screw lug, DIN Rail |
| Accessory(s) provided | | DIN rail adapter, screw, screw nut, earthing plate, countersunk screw, cable shoe |
| Housing material | | Aluminium |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Short-circuit - transmission cut-off |
| Disconnection indicator | | Transmission interrupt - default mode 2 |
| Pinout | | (1-2)(3-6)(4-5)(7-8) |
| Dimensions | | See diagram |
| Weight | | 0.120 kg |
| Standards | | |
| Standards compliance | | IEC 61643-21 / EN 61643-21 / IEEE 802-3af/3at/3bt |
| Environmental standards | | EU RoHS |
| Part number | | |
| 581545 | | |

