



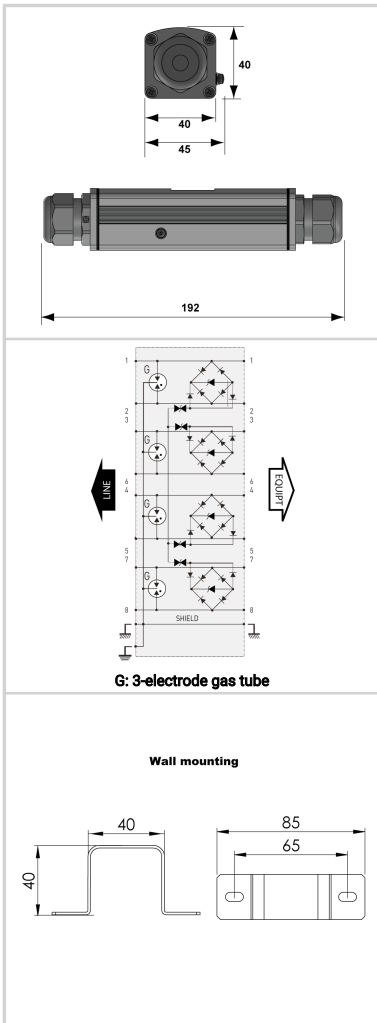
CITEL

Outdoor 10 Gigabit POE++ Surge Protective Device - Metallic housing and plastic cable glands

LAN-10G-POE-CRPS



- ▶ POE++ Compatible (IEEE 802.3bt)
- ▶ 10Gb (5-100m) with Cat6A S/FTP cabling
- ▶ Shielded RJ45 connectors
- ▶ Outdoor applications, IP67 (NEMA 6)
- ▶ Plastic enclosure
- ▶ Conforms to IEC/EN 61643-21
- ▶ SPD categories D1, C3, C2, C1
- ▶ 16kA total surge discharge capability



| Electrical Characteristics | |
|---|--|
| Network | 10Gb/s on Cat6A S/FTP cabling |
| Protection modes (network) | CM / DM |
| Protection modes (POE) | CM / DM (common mode / differential mode) |
| Transmission standard | IEEE 802.3bt |
| Lightning Protection Zones (LPZ) | 0 - 3 |
| Max. operating voltage (DATA) | Uc 3.3 Vdc |
| Max. operating voltage (POE) | Uc 60 Vdc |
| Max. frequency, in the channel | f max. 500 MHz |
| Max. data rate | 10 Gbps |
| Max. load current @25°C | IL 2 A |
| Max. POE power (4PPOE) | 100 W |
| Nominal discharge current C1 (1.2/50µs / 8/20µs), 300 applications X-X (Line/Line) | In 300V / 150A |
| Nominal discharge current C1 (1.2/50µs / 8/20µs), 300 applications, X-C (Pair-Pair, POE) | In 300V / 150A |
| Nominal discharge current C2 (1.2/50µs / 8/20µs), 10 applications X-C (Line/Earth) | In 4 kV / 2 kA |
| Max. discharge current max. withstand @ 8/20 µs, X-C (Line/Earth) | Imax 2 kA |
| Max. discharge current max. withstand @ 8/20 µs, 8X-C (1&2&3&6+4&5+7&8 to Earth) | Imax Total 16 kA |
| Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line) | Up < 10 V |
| Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth) | Up < 700 V |
| Protection Level C3 (10/1000µs), 300 applications @ 10A, (Pair-Pair, POE) | Up < 80 V |
| Protection Level C2 (1.2/50µs / 8/20µs), 10 applications, Y-C (Line-Earth) | Up < 1000 V |
| Protection Level C1 (1.2/50µs & 8/20µs), 300 applications, (Pair-Pair, POE) | Up < 98 V |
| Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth) | Iimp 500 A |
| Line resistance (± 10%) | ~ 0 ohms |
| Capacitance @1MHz, X-C (Line/Earth) | C < 5 pF |
| Mechanical Characteristics | |
| Technology | GDT+TVS diode |
| SPD configuration | 8 wires+shielded |
| Connection to Network | RJ45 shielded connectors input/output |
| Cable glands | Plastic/Rubber |
| Format | Metallic box with connectors input/output |
| Mounting | Wall / Pole / Plate |
| Accessory(s) provided | U' bracket |
| Operating temperature | Tu -40/+85°C |
| Ingress Protection rating | IP67 (NEMA 6) |
| Failsafe mode | Transmission cut-off - Fault mode 2 (short-circuit) |
| Pinout | (1-2)(3-6)(4-5)(7-8) |
| Dimensions | See diagram |
| Standards | |
| Standards compliance | IEC 61643-21 / EN 61643-21 / UL497B / IEEE 802.3af/3at/3bt, ANSI/TIA-568-c.1 |
| Environmental standards | EU RoHS |
| Part number | |
| 581546 | |

