



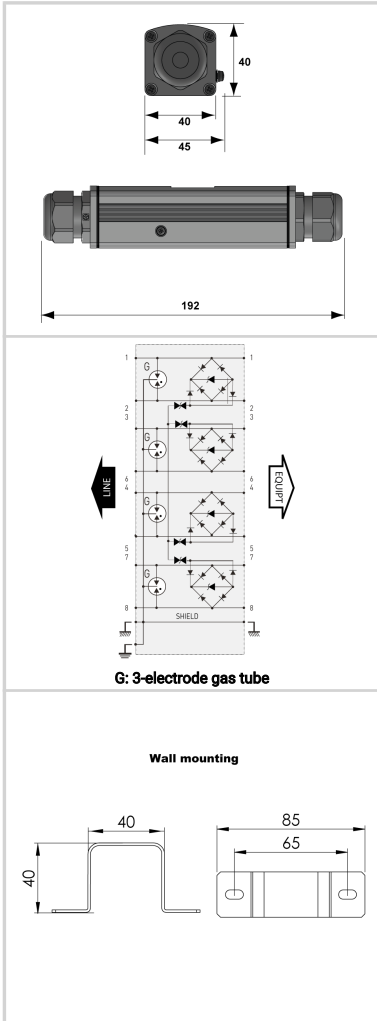
# CITEL

## 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



| 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. DC operating voltage  | 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<br>C1 (1.2/50µs / 8/20µs), 300 applications X-X (Line/Line)      | In 300V / 150A   |
| Nominal discharge current<br>C1 (1.2/50µs / 8/20µs), 300 applications X-C (Pair-Pair, POE) | In 300V / 150A   |
| Nominal discharge current<br>C2 (1.2/50µs / 8/20µs), 10 applications X-C (Line/Earth)      | In 4 kV / 2 kA   |
| Max. discharge current<br>max. withstand @ 8/20 µs, X-C (Line/Earth)                       | Imax 2 kA  |
| Max. discharge current<br>max. withstand @ 8/20 µs, 8X-C (1&2&3&4&5&6&7&8 to Earth)        | Imax Total 16 kA   |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)                 | Up < 10 V  |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)                | Up < 700 V   |
| Protection Level<br>C3 (10/1000µs), 300 applications @ 10A, (Pair-Pair, POE)               | Up < 80 V  |
| Protection Level<br>C2 (1.2/50µs / 8/20µs), 10 applications, Y-C (Line-Earth)              | Up < 1000 V  |
| Protection Level<br>C1 (1.2/50µs & 8/20µs), 300 applications, (Pair-Pair, POE)             | Up < 98 V  |
| Impulse current<br>D1 (10/350µs), 2 applications, X-C (Line/Earth)                         | Iimp 500 A   |
| Line resistance (± 10%)  | ~ 0 ohms   |
| Capacitance<br>@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  |
| Operating temperature range  | -40°C/+85°C  |
| Standards  |  |
| Standards compliance   | IEC 61643-21 / EN 61643-21 / UL497B / IEEE 802.3af/3at/3bt, ANSI/TIA-568-c.1 |
| Part number  |  |
| <b>581546</b>  |  |

