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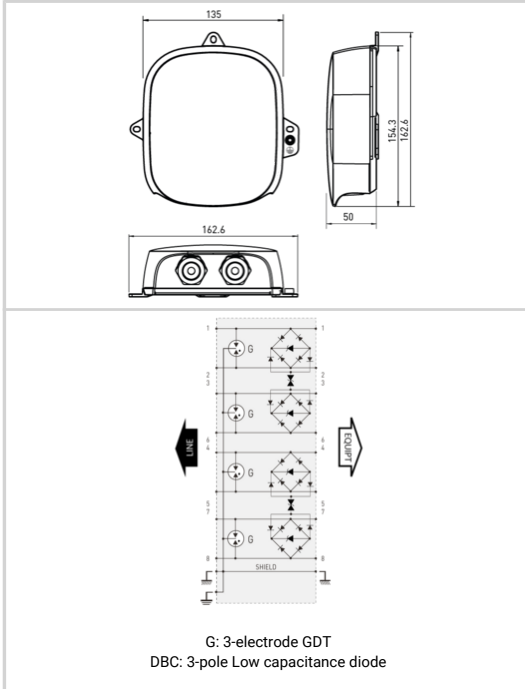
Outdoor Category 6 POE Surge Protective Device

CWMJ8-POE-C6A



POE++ and 10Gbps Ethernet

- Outdoor application
- Shielded RJ45
- I_{max} 16kA 8/20us
- UL497B



| Electrical Characteristics | | |
|---|------------------|--|
| Network | | 10Gb/s on Cat6A S/FTP cabling |
| Protection modes (network) | | CM / DM (common mode / differential mode) |
| Protection modes (POE) | | CM / DM (common mode / differential mode) |
| Transmission standard | | IEEE 802.3bt |
| Lightning Protection Zones (LPZ) | | 0 - 3 |
| Max. DC operating voltage | U _c | 8 Vdc |
| Max. operating voltage (POE) | U _c | 60 Vdc |
| Max. frequency | f max. | 500 MHz |
| Max. data rate | | 10 Gbps |
| Max. load current @25°C | I _L | 2 A |
| Max. POE power (4PPOE) | | 90 W |
| Max. discharge current max. withstand @ 8/20 μs, X-C (Line/Earth) | I _{max} | 2 kA |
| Protection Level C3 category (10/1000μs), 300 applications@10 A, X-X (Line/Line) | Up | < 70 V |
| Protection level C3 category (10/1000μs), 300 applications@10 A, X-C (Line/Earth) | Up | < 70 V |
| Protection Level C3 Category (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE) | Up | < 100 V |
| Impulse current D1 category (10/350μs), 2 applications, X-C (Line/Earth) | I _{imp} | 500 A |
| Nominal discharge current C1 category (8/20μs), 300 applications X-X (Line/Line) | I _n | 1kV / 500A |
| Nominal discharge current C2 category (8/20μs), 10 applications X-C (Line/Earth) | I _n | 4 kV / 2 kA |
| Line resistance (± 10%) | | 0 Ohm |
| Capacitance @1MHz, X-C (Line/Earth) | C | < 5 pF |
| DATA SPD TYPE | | UL497B LISTED |
| VOLTS | (V) | 48 |
| AC/DC/DC PV/RF | | DC |
| WIRES | | 8W+Shield+Ground |
| LINE CURRENT MAX | (A) | 1.2 |
| POWER RATING | (W) | 100 |
| AMBIENT MIN | (C) | -35 |
| AMBIENT MAX | (C) | +85 |
| MODES | | DC+DC-,DC+G,DC-G,SH-G |
| RESIDUAL VOLTAGE | (V) | 70 |
| MCOV | (V) | 60/72/72 |
| IMAX 8/20μs | (kA) | 16 |
| DATA SPEED | (Mbps) | 10/100/1000/10000 |
| Mechanical Characteristics | | |
| Technology | | GDT+Clamping diode |
| Connection to Network | | RJ45 shielded connectors Female input/output |
| Cable glands | | Plastic/Rubber |
| Format | | Plastic Enclosure with connectors input/output |
| Accessory(s) provided | | screw + nut + cable shoe |
| Failsafe mode | | Short-circuit |
| Pinout | | (1-2)(3-6)(4-5)(7-8) |
| Weight | | 0.29 kg / 0.64 lbs |
| TECHNOLOGY | | SAD-GDT |
| NETWORK CONFIGURATION | | Single POE Line |
| CONNECTION METHOD | | Shielded RJ45 |
| MOUNTING | | FLANGE MOUNT/POLE MOUNT KIT |
| MATERIAL | | Polycarbonate |
| FLAMMABILITY RATING | | UL94-V0 |
| NEMA RATING (IP RATING) | | 6 (IP66) |
| DIMENSIONS | | See diagram |

CWMJ8-POE-C6A

| Standards | |
|-------------------------|--------------------------------------|
| Certification | UL 497B |
| UL STANDARD | UL497B |
| UL CATEGORY | QVGQ |
| UL FILE NUMBER | E184939 |
| STANDARDS | NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| ENVIRONMENTAL STANDARDS | ROHS |
| Part number | |
| 581544 | |

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