



Outdoor gigabit 10G POE++ surge protector

CITEL

LAN-10G-POE-G-C



- ▶ POE++ Compatible (IEEE 802.3bt) -10Gb (5-100m) with Cat6A S/FTP cabling
- ▶ Shielded RJ45 connectors
- ▶ Outdoor applications, IP54 (NEMA 3)
- ▶ Plastic enclosure, UL94-V0
- ▶ Conforms to IEC/EN 61643-21
- ▶ SPD categories D1, C3, C2



	Electrical Characteristics																																																													
<p>GSG: Gas filled Spark Gap</p>	<table border="1"> <tr><td>Network</td><td></td><td>10Gb/s on Cat6A S/FTP cabling</td></tr> <tr><td>Protection modes (network)</td><td></td><td>CM (Common Mode)</td></tr> <tr><td>Protection modes (POE)</td><td></td><td>CM (Common Mode)</td></tr> <tr><td>Transmission standard</td><td></td><td>IEEE 802.3bt</td></tr> <tr><td>Lightning Protection Zones (LPZ)</td><td></td><td>0 - 2</td></tr> <tr><td>Max. DC operating voltage</td><td>Uc</td><td>8 Vdc</td></tr> <tr><td>Max. operating voltage (POE)</td><td>Uc</td><td>60 Vdc</td></tr> <tr><td>Max. frequency</td><td>f max.</td><td>500 MHz</td></tr> <tr><td>Max. data rate</td><td></td><td>10 Gbps</td></tr> <tr><td>Max. load current @25°C</td><td>IL</td><td>2 A</td></tr> <tr><td>Max. POE power (4PPOE)</td><td></td><td>90 W</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs, X-C (Line/Earth)</td><td>I_{max}</td><td>2 kA</td></tr> <tr><td>Protection Level C3 category (10/1000μs), 300 applications@10 A, X-X (Line /Line)</td><td>Up</td><td>700 V</td></tr> <tr><td>Protection level C3 category (10/1000μs), 300 applications@10 A, X-C (Line /Earth)</td><td>Up</td><td>700 V</td></tr> <tr><td>Protection Level C3 Category (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)</td><td>Up</td><td>700 V</td></tr> <tr><td>Impulse current D1 category (10/350μs), 2 applications, X-C (Line/Earth)</td><td>I_{imp}</td><td>500 A</td></tr> <tr><td>Nominal Discharge Current C2 category (8/20μs), 10 applications, X-X (Line/Line)</td><td>I_n</td><td>4 kV / 2 kA</td></tr> <tr><td>Nominal discharge current C2 category (8/20μs), 10 applications X-C (Line/Earth)</td><td>I_n</td><td>4 kV / 2 kA</td></tr> <tr><td>Line resistance (± 10%)</td><td></td><td>0 Ohm</td></tr> <tr><td>Capacitance @1MHz, X-C (Line/Earth)</td><td>C</td><td>< 5 pF</td></tr> </table>		Network		10Gb/s on Cat6A S/FTP cabling	Protection modes (network)		CM (Common Mode)	Protection modes (POE)		CM (Common Mode)	Transmission standard		IEEE 802.3bt	Lightning Protection Zones (LPZ)		0 - 2	Max. DC operating voltage	Uc	8 Vdc	Max. operating voltage (POE)	Uc	60 Vdc	Max. frequency	f max.	500 MHz	Max. data rate		10 Gbps	Max. load current @25°C	IL	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	700 V	Protection level C3 category (10/1000μs), 300 applications@10 A, X-C (Line /Earth)	Up	700 V	Protection Level C3 Category (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)	Up	700 V	Impulse current D1 category (10/350μs), 2 applications, X-C (Line/Earth)	I _{imp}	500 A	Nominal Discharge Current C2 category (8/20μs), 10 applications, X-X (Line/Line)	I _n	4 kV / 2 kA	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
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Mechanical Characteristics																																																														
Technology		Gas discharge tube																																																												
SPD configuration		8 wires+shielded																																																												
Connection to Network		RJ45 shielded connectors Female input/output																																																												
Cable glands		Rubber																																																												
Format		Plastic Box with connectors input/output																																																												
Mounting		Wall / Pole / Plate																																																												
Housing material		Thermoplastic UL94 V-0																																																												
Operating temperature		Tu -40/+85°C																																																												
Protection rating		IP54																																																												
Failsafe mode		Short-circuit - transmission cut-off - fault mode 2																																																												
Pinout		(1-2)(3-6)(4-5)(7-8)																																																												
Dimensions		See diagram																																																												
Weight		0.14 kg / 0.31 lbs																																																												
Standards																																																														
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B / IEEE 802.3af/3at/3bt, ANSI/TIA-568-c.1																																																												
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