



CITEL



- IEEE 802.3bt (POE++) compatible
- Rated for Outdoor applications
- Robust Metal enclosure
- Shielded RJ45
- 16kA total discharge capability
- UL497B (Pending)

LAN-10G-POE-CRPS

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 (1.2/50 μ s / 8/20 μ s), 300 applications X-X (Line/Line)	In	300V / 150A
Nominal discharge current C1 (1.2/50 μ s / 8/20 μ s), 300 applications, X-C (Pair-Pair, POE)	In	300V / 150A
Nominal discharge current C2 (1.2/50 μ s / 8/20 μ s), 10 applications X-C (Line/Earth)	In	4 kV / 2 kA
Max. discharge current max. withstand @ 8/20 μ s, X-C (Line/Earth)	Imax	2 kA
Max. discharge current max. withstand @ 8/20 μ s, 8X-C (1&+3&+6+7&+8 to Earth)	Imax Total	16 kA
Protection Level C3 (10/1000 μ s), 300 applications @10 A, Y-Y (Line/Line)	Up	< 10 V
Protection Level C2 (1.2/50 μ s / 8/20 μ s), 10 applications, Y-C (Line/Earth)	Up	< 1000 V
Protection Level C3 (10/1000 μ s), 300 applications @ 10A, (Pair-Pair, POE)	Up	< 80 V
Protection Level C3 (10/1000 μ s), 300 applications @10 A, Y-C (Line/Earth)	Up	< 700 V
Protection Level C1 (1.2/50 μ s & 8/20 μ s), 300 applications, (Pair-Pair, POE)	Up	< 98 V
Impulse current D1 (10/350 μ s), 2 applications, X-C (Line/Earth)	Iimp	500 A
Line resistance ($\pm$ 10%)		~ 0 ohms
Capacitance @1MHz, X-C (Line/Earth)	C	< 5 pF

Mechanical Characteristics

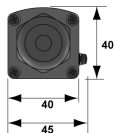
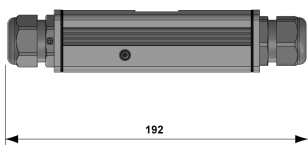
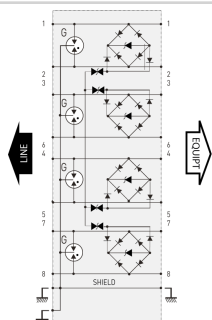
Technology		GDT+TVS diode
Connection to Network		RJ45 shielded connectors input/output
Cable glands		Plastic/Rubber
Format		Metallic box with connectors input/output
Mounting		Wall / Pole / Plate
Accessory(s) provided		U' bracket
Operating temperature	Tu	-40/+85°C
Ingress Protection rating		IP67 (NEMA 6)
Failsafe mode		Transmission cut-off - Fault mode 2 (short-circuit)
Pinout		(1-2)(3-6)(4-5)(7-8)

Standards

Environmental standards		EU RoHS
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Part number

581546



Wall mounting

