



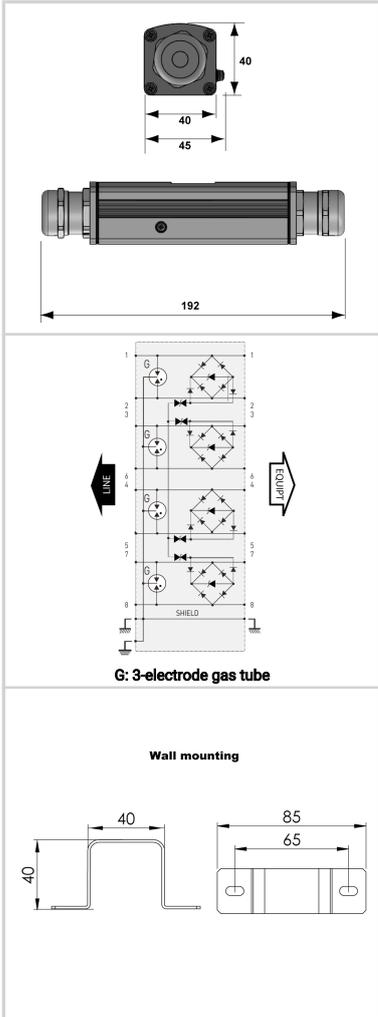
CITEL

Outdoor Category 6A/10G POE++ Surge Protective Device

LAN-10G-POE-CR



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



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)	I _{max} 2 kA
Max. discharge current max. withstand @ 8/20 µs, 8X-C (1&2+3&6+4&5+7&8 to Earth)	I _{max} 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)	I _{imp} 500 A
Line resistance (± 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	Metallic/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 (NEMA6)
Failsafe mode	Transmission cut-off - Fault mode 2 (short-circuit)
Pinout	(1-2)(3-6)(4-5)(7-8)
Standards	
Environmental standards	EU RoHS
Part number	
581547	

