



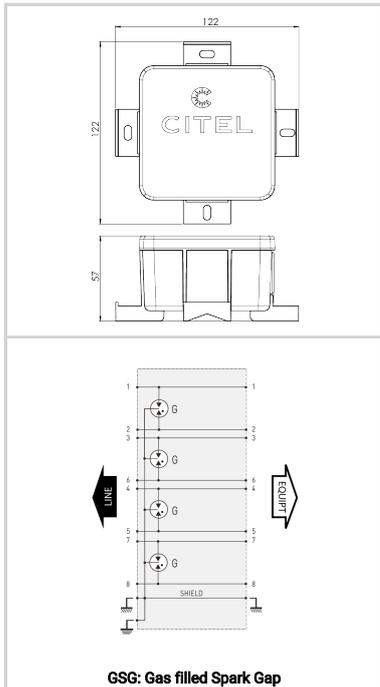
# CITEL



## Outdoor gigabit 10G POE++ Surge Protective Device

### LAN-10G-POE-G-C

- ▶ POE++ Compatible (IEEE 802.3bt)-10Gb (5-100M) with Cat6A S/FTP cabling
- ▶ Shielded RJ45 connectors
- ▶ Outdoor Applications, IP54 (NEMA3)
- ▶ 16 kA maximum total surge discharge capability
- ▶ Max Bandwidth up to 500 MHz
- ▶ UL497B



Electrical Characteristics	
Network	10Gb/s on Cat6A S/FTP cabling
Protection modes (network)	CM / DM
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
Nominal Discharge Current C2 (1.2/50us / 8/20us), 10 applications, X-X (Line/Line)	In 4 kV / 2 kA
Nominal discharge current C2 (1.2/50us / 8/20us), 10 applications X-C (Line/Earth)	In 4 kV / 2 kA
Max. discharge current max. withstand @ 8/20 us, X-C (Line/Earth)	Imax 2 kA
Protection Level C3 (10/1000us), 300 applications@10 A, Y-Y (Line/Line)	Up 700 V
Protection Level C3 (10/1000us), 300 applications@10 A, Y-C (Line/Earth)	Up 700 V
Protection Level C3 (10/1000us), 300 applications @ 10A, (Pair-Pair, POE)	Up 700 V
Impulse current D1 (10/350us), 2 applications, X-C (Line/Earth)	Iimp 100 A
Line resistance (± 10%)	~ 0 ohms
Capacitance @1MHz, X-C (Line/Earth)	C < 5 pF
Mechanical Characteristics	
Technology	Gas discharge tube
Connection to Network	RJ45 shielded connectors Female input/output
Cable glands	Rubber
Format	Plastic Box with connectors input/output
Mounting	Wall / Pole / Plate
Operating temperature	Tu -40/+85°C
Ingress Protection rating	IP54 (NEMA 3)
Failsafe mode	Transmission cut-off - Fault mode 2 (short-circuit)
Pinout	(1-2)(3-6)(4-5)(7-8)
NETWORK CONFIGURATION	Single POE Line
MATERIAL	UV rated Thermoplastic
FLAMMABILITY RATING	UL94-V0
DIMENSIONS	See diagram
Standards	
Environmental standards	EU RoHS
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
<b>Part number</b>	<b>581549</b>

