



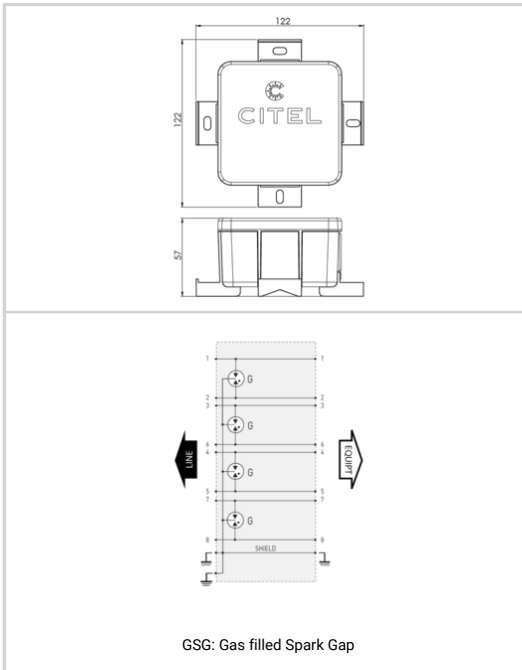
# Outdoor gigabit 10G POE++ surge protector

# 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		
Network		10Gb/s on Cat6A S/FTP cabling
Protection modes (network)		CM / DM (common mode / differential 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 <i>max. withstand @ 8/20 μs, X-C (Line/Earth)</i>	Imax	2 kA
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)</i>	Up	700 V
Protection level <i>C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</i>	Up	700 V
Protection Level <i>C3 (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)</i>	Up	700 V
Impulse current <i>D1 (10/350μs), 2 applications, X-C (Line/Earth)</i>	limp	100 A
Nominal Discharge Current <i>C2 (8/20μs), 10 applications, X-X (Line/Line)</i>	In	4 kV / 2 kA
Nominal discharge current <i>C2 (8/20μs), 10 applications X-C (Line/Earth)</i>	In	4 kV / 2 kA
Line resistance (± 10%)		~ 0 ohms
Capacitance <i>@1MHz, X-C (Line/Earth)</i>	C	< 5 pF
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
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)
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
Part number		
581549		

