



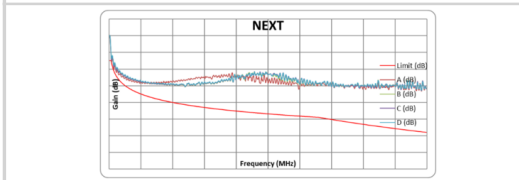
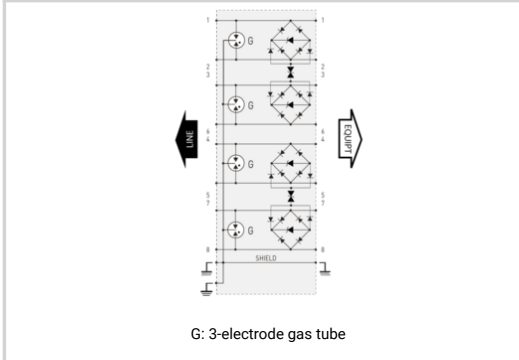
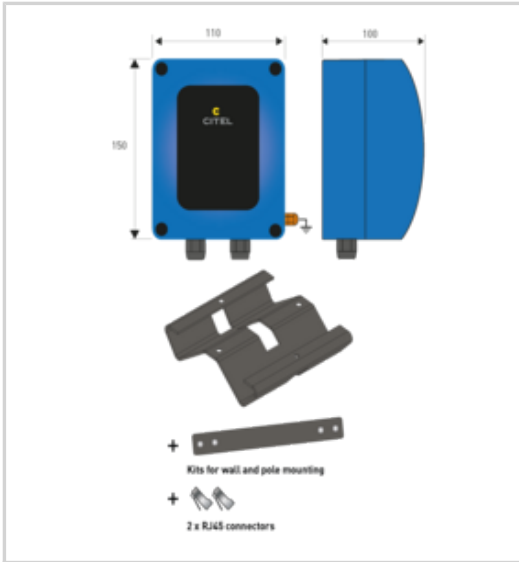
# Outdoor gigabit POE surge protector

# CITEL

## CRMJ8-POE-C6/KF



- ▶ POE++ Compatible (IEEE 802.3bt) -10Gb (5-100m) with Cat6A S/FTP cabling
- ▶ RJ45 connectors
- ▶ Outdoor applications, IP66 (NEMA 4/4X)
- ▶ Metallic enclosure
- ▶ Conforms to IEC/EN 61643-21
- ▶ SPD categories D1, C3, C2, C1



### Electrical Characteristics

Network		10Gb/s on Cat6A S/FTP cabling
Protection modes (network)		CM / DM (common mode / differential mode)
Protection modes (POE)		CM / DM (common mode / differential mode)
Transmission standard		IEEE 802.3bt
Lightning Protection Zones (LPZ)		0 - 3
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)	Imax	2 kA
Max. discharge current max. withstand @ 8/20 μs, 8X-C (1&2+3&6+4&5+7&8 to Earth)	Imax Total	16 kA
Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	< 20 V
Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	< 700 V
Protection Level C3 (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)	Up	< 70 V
Impulse current D1 (10/350μs), 2 applications, X-C (Line/Earth)	limp	500 A
Nominal discharge current C1 (8/20μs), 300 applications X-X (Line/Line)	In	1kV / 500A
Nominal discharge current C1 (1.2/50us / 8/20μs), 300 applications, X-C (Pair-Pair, POE)	In	200 V / 100 A
Nominal discharge current C2 (8/20μs), 10 applications X-C (Line/Earth)	In	4 kV / 2 kA
Line resistance (± 10%)		~ 0 ohms
Capacitance @1MHz, X-C (Line/Earth)	C	< 5 pF

### Mechanical Characteristics

Technology		GDT+TVS diode
SPD configuration		8 wires+shielded
Connection to Network		RJ45 shielded connectors Female input/output
Cable glands		Plastic/Rubber
Format		Metallic Enclosure with connectors input/output
Mounting		Wall / Pole
Accessory(s) provided		Pole bracket, wall bracket, screw, washer, RJ45 (2)
Housing material		Metallic
Operating temperature	Tu	-40/+85°C
Ingress Protection rating		IP66 (NEMA 4/4X)
Failsafe mode		Transmission cut-off - Fault mode 2 (short-circuit)
Pinout		(1-2)(3-6)(4-5)(7-8)
Dimensions		See diagram
Weight		0.5 kg / 1.1 lbs

### Standards

Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B / IEEE 802.3af/3at/3bt, ANSI/TIA-568-c.1
UL Category		QVGQ - Isolated Loop Circuit Protectors
UL File Number		E184939
Certification		UL 497B

**Part number**  
581536

