



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



Kits for wall and pole mounting
+ 2 x RJ45 connectors

G: 3-electrode gas tube

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 (1.2/50µs / 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 Ohm
Capacitance @ 1MHz, X-C (Line/Earth)	C < 5 pF
Mechanical Characteristics	
Technology	GDT+Clamping 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	QVQG - Isolated Loop Circuit Protectors
UL File Number	E184939
Certification	UL 497B
Part number	
581536	

