



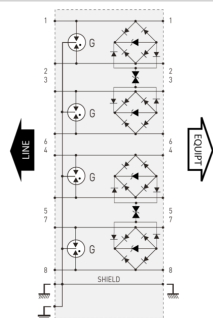
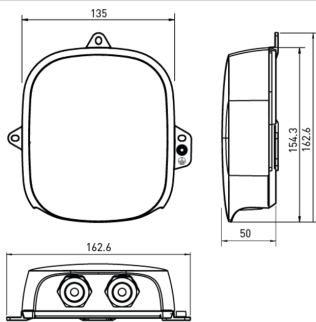
CITEL



10 gigabit POE ++ surge protector

CWMJ8-POE-C6A

- ▶ POE++ Compatible (IEEE 802.3bt) -10Gb (5-100m) with Cat6A S/FTP cabling
- ▶ Shielded RJ45 connectors
- ▶ Outdoor applications, IP66 (NEMA 4/4X)
- ▶ Plastic enclosure, UL94-V0
- ▶ Conforms to IEC/EN 61643-21
- ▶ SPD categories D1, C3, C2, C1



G: 3-electrode GDT
DBC: 3-pole Low capacitance diode

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. 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 C1 (1.2/50 μ s / 8/20 μ s), 300 applications X-X (Line/Line)	In	1kV / 500A
Nominal discharge current C1 (1.2/50 μ s / 8/20 μ s), 300 applications, X-C (Pair-Pair, POE)	In	200 V / 100 A
Nominal Discharge Current C2 (1.2/50 μ s / 8/20 μ s), 10 applications X-C (Line/Earth)	In	4 kV / 2 kA
Max. discharge current max. withstand @ 8/20 μ s, X-C (Line/Earth)	I _{max}	2 kA
Max. discharge current max. withstand @ 8/20 μ s, 8X-C (1&2+3&4+5+6+7&8 to Earth)	I _{max} Total	16 kA
Protection Level C3 (10/1000 μ s), 300 applications@10 A, X-X (Line/Line)	Up	< 20 V
Protection Level C3 (10/1000 μ s), 300 applications@10 A, X-C (Line/Earth)	Up	< 70 V
Protection Level C3 (10/1000 μ s), 300 applications @ 10A, (Pair-Pair, POE)	Up	< 100 V
Impulse current D1 (10/350 μ s), 2 applications, X-C (Line/Earth)	I _{imp}	500 A
Line resistance ($\pm$ 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		Plastic Enclosure with connectors input/output
Mounting		Wall / Plate
Housing material		Thermoplastic UL94 V-0
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

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

581544

