



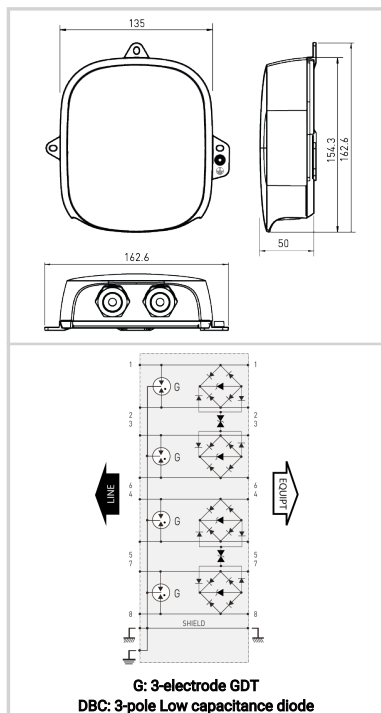
CITEL



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
- ▶ 16kA total surge discharge capability



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. operating voltage (DATA)	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 (1.2/50us / 8/20us), 300 applications X-X (Line/Line)	In		1kV / 500A
Nominal discharge current C1 (1.2/50us / 8/20us), 300 applications, X-C (Pair-Pair, POE)	In		200 V / 100 A
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
Max. discharge current max. withstand @ 8/20 us, 8X-C (1&2+3&6+4&5+7&8 to Earth)	Imax Total		16 kA
Protection Level C3 (10/1000us), 300 applications@10 A, Y-Y (Line/Line)	Up		≤ 20 V
Protection Level C3 (10/1000us), 300 applications @ 10A, (Pair-Pair, POE)	Up		< 100 V
Protection Level C3 (10/1000us), 300 applications@10 A, Y-C (Line/Earth)	Up		< 70 V
Impulse current D1 (10/350us), 2 applications, X-C (Line/Earth)	limp		500 A
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			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 Listed
Environmental standards			EU RoHS
Part number			
581544			

