



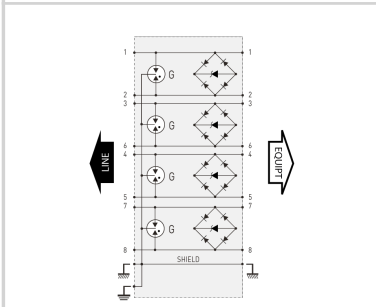
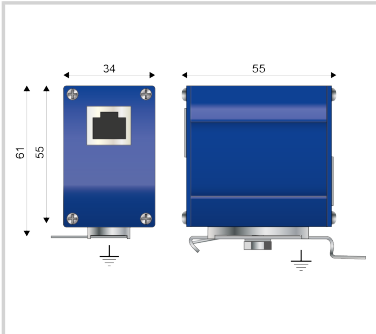
# CITEL

## RJ45 surge protector for CAT6A cabling network

### MJ8-C6A

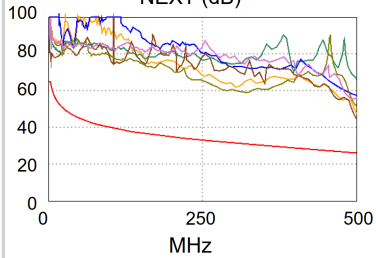


- ▶ 10Gb (5-100m) with Cat6A S/FTP cabling
- ▶ Shielded RJ45 connectors
- ▶ Indoor applications, IP20 (NEMA 2)
- ▶ Metallic enclosure
- ▶ Conforms to IEC/EN 61643-21
- ▶ SPD categories D1, C3, C2, C1
- ▶ 16kA total surge discharge capability



G: 3-electrode GDT

NEXT (dB)



#### Electrical Characteristics

Network		10Gigabit Ethernet - Cat 6A cabling specification
Protection modes (network)		CM / DM
Protection modes (POE)		CM / DM (common mode / differential mode)
Transmission standard		IEEE 802.3an
Lightning Protection Zones (LPZ)		0 - 3
Max. operating voltage (DATA)	Uc	8 Vdc
Max. frequency, in the channel	f max.	500 MHz
Max. data rate		10 Gbps
Max. load current @25°C	IL	2 A
Nominal discharge current C2 (1.2/50µs / 8/20µs), 10 applications X-C (Line/Earth)	In	4 kV / 2 kA
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&amp;2&3&4&5&6&7&8 to Earth)	Imax Total	16 kA
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)	Up	< 20 V
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)	Up	< 500 V
Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth)	Iimp	400 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
Format		Metallic Enclosure with connectors input/output
Mounting		DIN rail / Wall / Plate
Accessory(s) provided		Screw, washer, cable shoe, earthing plate, DIN rail adapter
Housing material		Metallic
Operating temperature	Tu	-40/+85°C
Ingress Protection rating		IP20 (NEMA 2)
Failsafe mode		Transmission cut-off - Fault mode 2 (short-circuit)
Pinout		(1-2)(3-6)(4-5)(7-8)
Dimensions		See diagram
Weight		0.12 kg / 0.26 lbs

#### Standards

Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B / IEEE 802-3an
UL Category		QVGG - Isolated Loop Circuit Protectors
UL File Number		E184939
Certification		UL listed
Environmental standards		EU RoHS

#### Part number

**581540**

