



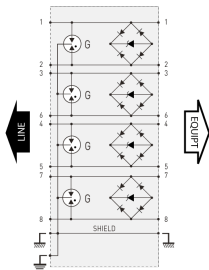
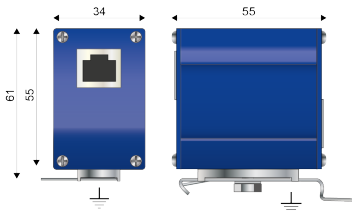
CITEL

RJ45 surge protector for CAT6A cabling network

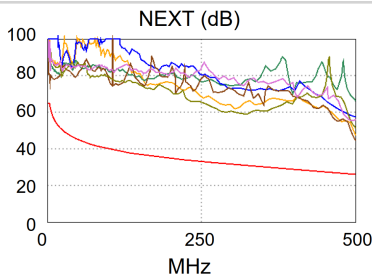
MJ8-C6A



- ▶ 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



G: 3-electrode GDT



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. frequency, in the channel	f max.	500 MHz
Max. data rate		10 Gbps
Max. load current @25°C	IL	2 A
Nominal discharge current <i>C2 (1.2/50µs / 8/20µs), 10 applications X-C (Line/Earth)</i>	In	4 kV / 2 kA
Max. discharge current <i>max. withstand @ 8/20 µs, X-C (Line/Earth)</i>	Imax	2 kA
Max. discharge current <i>max. withstand @ 8/20 µs, 8X-C (1&amp;2+3&amp;6+4&amp;5+7&amp;8 to Earth)</i>	Imax Total	16 kA
Protection Level <i>C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)</i>	Up	< 20 V
Protection Level <i>C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)</i>	Up	< 500 V
Impulse current <i>D1 (10/350µs), 2 applications, X-C (Line/Earth)</i>	Iimp	400 A
Line resistance (± 10%)		~ 0 ohms
Capacitance <i>@1MHz, X-C (Line/Earth)</i>	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 802-3af/3at/3bt/ ANSI/TIA-568-C.1
UL Category		QVGG - Isolated Loop Circuit Protectors
UL File Number		E184939
Certification		UL 497B
Part number		
581540		

