



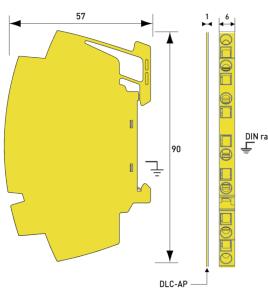
CITEL

1-pair monobloc Telecom surge protector

DLC-12D3G



- High speed data transmission
- Common mode and differential mode protection
- Data lines, including those isolated from Earth
- Compact DIN rail enclosure, high density protection
- Protection of shield wire
- Location and test categories: D1, C2, C3
- IEC 61643-21 compliance



Electrical Characteristics

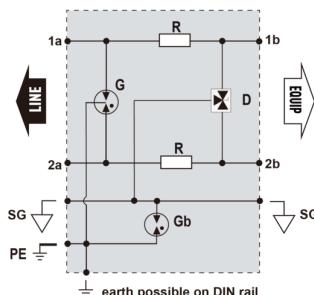
Network	RS232, RS485
Nominal line voltage	Un 12 V
Max. DC operating voltage	Uc 15 Vdc
Max. frequency	f max. 50 MHz
Insertion loss	< 1 dB
Max. load current @25°C	IL 750 mA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max} 20 kA
Line inductance (± 10 %)	non
Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)	Up 40 V
Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up 650 V
Impulse current 2 x 10/350µs Test - D1 Category	I _{imp} 2.0 kA
Line/Line Nominal discharge current C2 Category	I _{n L/L} 10 kA
Nominal Discharge Current, X-C (Line/Earth) 8/20µs Test x 10 - C2 Category	I _{n L/PE} 10 kA
Line resistance (± 10 %)	1.2 Ohm

Mechanical Characteristics

Technology	GDT+TVS diode
SPD configuration	1-pair+shielded
Connection to Network	By spring terminal - max. cross section 2.5mm ² / AWG 13 (solid or stranded)
Format	DIN box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T _u -40/+85°C
Ingress Protection rating	IP20 (NEMA 2)
Failsafe mode	Short-circuit
Disconnection indicator	Transmission interrupt - default mode 2
Dimensions	See diagram
Weight	0.029 kg

Standards

Standards compliance	IEC 61643-21 / EN 61643-21
Certification	.
Part number	641192



G: 3-electrode gas tube
Gb: 2-electrode gas tube
R: Resistor
D: Clamping diode SG: Signal ground

