



CITEL

1-pair monobloc Telecom surge protector

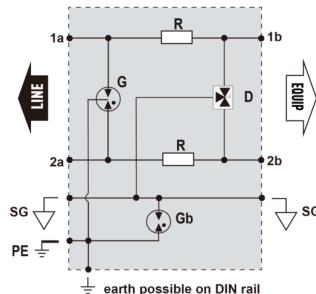
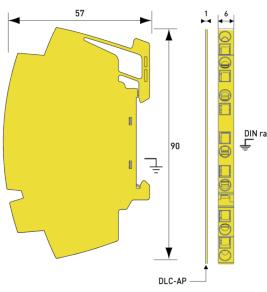
DLC-06D3G



- 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



SIL3
IEC61508



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

Electrical Characteristics		
Network	CAN, Profibus DP, RS485	
Nominal line voltage	Un	6 V
Max. DC operating voltage	Uc	8 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	30 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	SIL	
Part number	641191	

