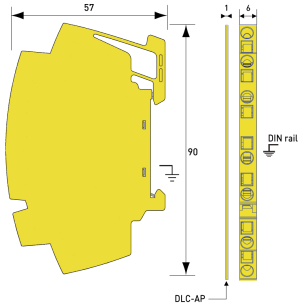
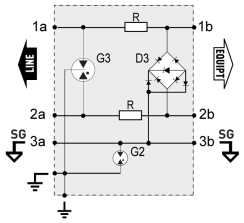
1-pair monobloc Telecom surge protector

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
Cut-off frequency *-3dB, 100 ohm system*	f max.	> 100 MHz
Cut-off frequency *-1dB, 100 ohm system*	f max.	> 45 MHz
Insertion loss		< 1 dB
Max. load current @25°C	IL	750 mA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	20 kA
Nominal Discharge Current, X-C (Line/Earth) *8/20µs Test x 10 - C2 Category*	In L/PE	10 kA
Line inductance (± 10 %)		non
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)*	Up	30 V
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)*	Up	650 V
Impulse current *2 x 10/350µs Test - D1 Category*	Iimp	2.0 kA
Line/Line Nominal discharge current *C2 Category*	In L/L	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 2.5mm² / AWG 13 (solid or stranded)
Format		DIN box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Ingress Protection rating		IP20 (NEMA 2)
Failsafe mode		Short-circuit
Disconnection indicator		Transmission interrupt - default mode 2
Dimensions		See diagram
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21
Certification		SIL
Environmental standards		EU RoHS
Part number		
641191		