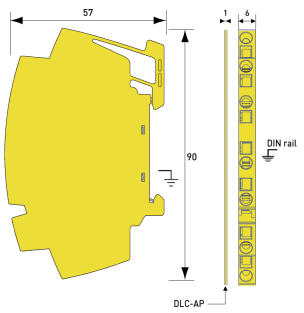
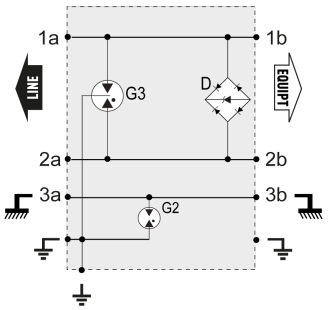
1-pair monobloc Telecom surge protector

DLC-24D2/NR

- 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
- High Line current: 10 A





G: 3-electrode gas tube
Gb: 2-electrode gas tube
D: Clamping diode

Electrical Characteristics		
Network		4-20mA, 24V
Nominal line voltage	Un	24 V
Max. DC operating voltage	Uc	30 Vdc
Cut-off frequency *-3dB, 100 ohm system*	f max.	> 110 MHz
Cut-off frequency *-1dB, 100 ohm system*	f max.	> 60 MHz
Max. load current @25°C	IL	10 A
Nominal discharge current *C2 (1.2/50us / 8/20µs), 10 applications X-C (Line/Earth)*	In	10 kV / 5 kA
Max. discharge current *max. withstand @ 8/20 µs, X-C (Line/Earth)*	Imax	10 kA
Protection mode(s)		Common/Differential mode
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)*	Up	< 50 V
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)*	Up	< 700 V
Impulse current *D1 (10/350µs), 2 applications, X-C (Line/Earth)*	Iimp	0.5 kA
Line resistance		< 0.05 Ohm
Mechanical Characteristics		
Technology		GDT+ 2-pole clamping 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		
Part number		
641163		

DLC-24D2/NR