



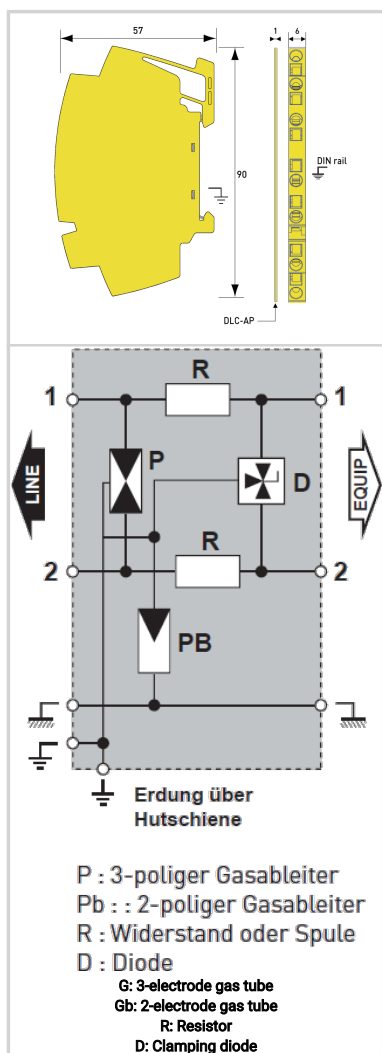
CITEL

1-pair monobloc Telecom surge protector

DLC-24DBC



- Discover our latest innovation : the [DLC-24D3](#)
- 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		4-20mA, Liaison 24V
Nominal line voltage	Un	24 V
Max. DC operating voltage	Uc	28 Vdc
Max. frequency	f max.	20 MHz
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	300 mA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	10 kA
Nominal Discharge Current, X-C (Line/Earth) 8/20µs Test x 10 - C2 Category	In L/PE	5 kA
Line inductance (± 10 %)		non
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)	Up	40 V
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)	Up	40 V
Impulse current 2 x 10/350µs Test - D1 Category	Iimp	2.5 kA
Line/Line Nominal discharge current C2 Category	In L/L	5 kA
Line resistance (± 10%)		4.7 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	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 / UL497B
Certification	UL listed / SIL
Environmental standards	EU RoHS

Part number

641113

