

One Pair - DIN Rail mountable Surge Protectors: DL



Citel DL Series has been designed to protect telephone and data lines against lightning surges and electrical transients. Its large power handling and fast response time will protect your sensitive equipment against the worst lightning surges.

It uses state of the art multi-stage circuitry which consists of heavy duty three element gas tubes and solid state diodes that automatically reset after every electrical surge. Under the most severe conditions, the Citel DL Series will fail short leaving your equipment fully protected.

- **Plug- in module**
- **Ultra fast response time**
- **Multiple stage circuitry**
- **Resets Automatically**
- **Can be easily mounted on a DIN Rail 50022**

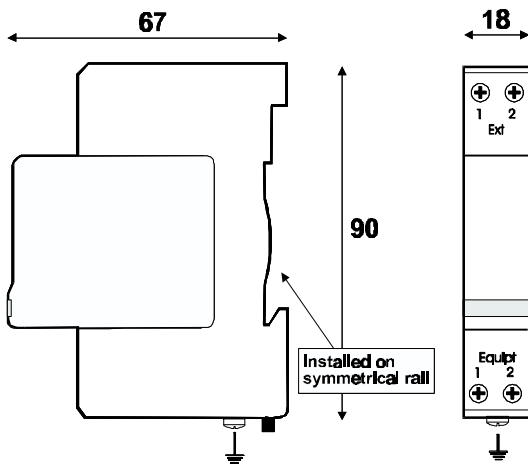
Electrical Specifications

DL Series

	DL170	DL48	DL24	DL12	DL06
Application:	Telephone Lines	Leased Lines	4-20 mA loop Lines	Telemetry, Load cells	RS485, RS422, RTDs, THC's
Series Resistance:	4.7 Ω	4.7 Ω	4.7 Ω	4.7 Ω	4.7 Ω
Capacitance:	70 pF	200 pF	300 pF	400 pF	900 pF
Maximum Line Current:	200 mA	200 mA	200 mA	200 mA	200 mA
Maximum Line Voltage:	170 V	48 V	24 V	15 V	6 V
Clamping Voltage:	190 V	60 V	30 V	20 V	12 V
Power Handling:					
(8/20μs- 10 x's)	10 kA	10 kA	10 kA	10 kA	10 kA
(8/20μs- 1 x's)	20 kA	20 kA	20 kA	20 kA	20 kA
End of Life Characteristics: (U=220Veff/Icc>10A)	Short Circuit	Short Circuit	Short Circuit	Short Circuit	Short Circuit

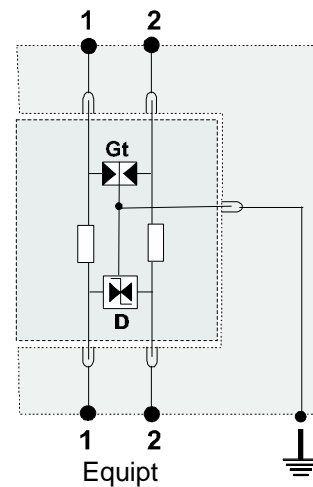
Mechanical Diagram

All dimensions are in mm.



Mounting: **DIN Rail 50022**
 I/O Connections: **Screw terminals**
 Operating Temperature: **-40 to 85 °C**

Electrical Diagram



Gt: Three Element Gas Tube
D: Clamping Diode