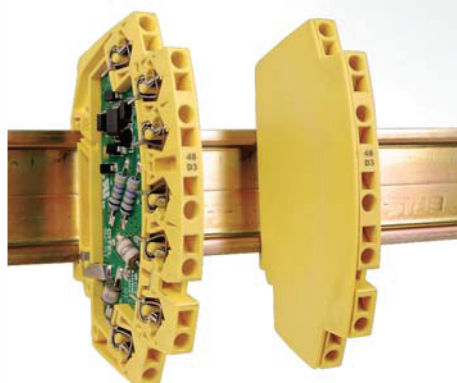


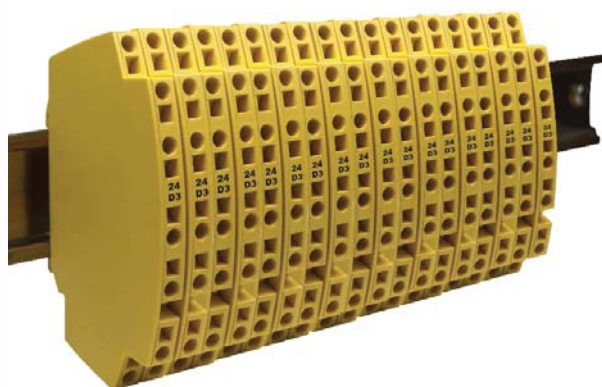
Datasheet

1-pair DIN rail Surge Protector for dataline/telecom DLC series



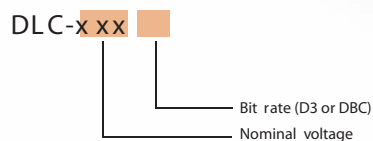
DLC-48D3
(open)

DLC-48D3



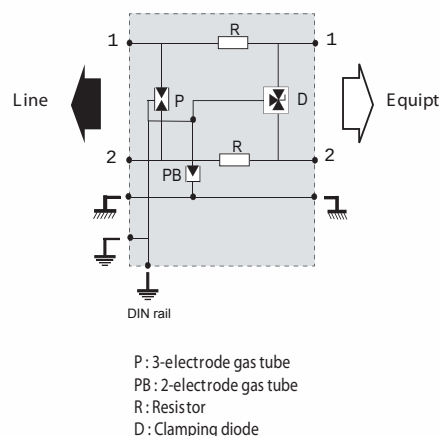
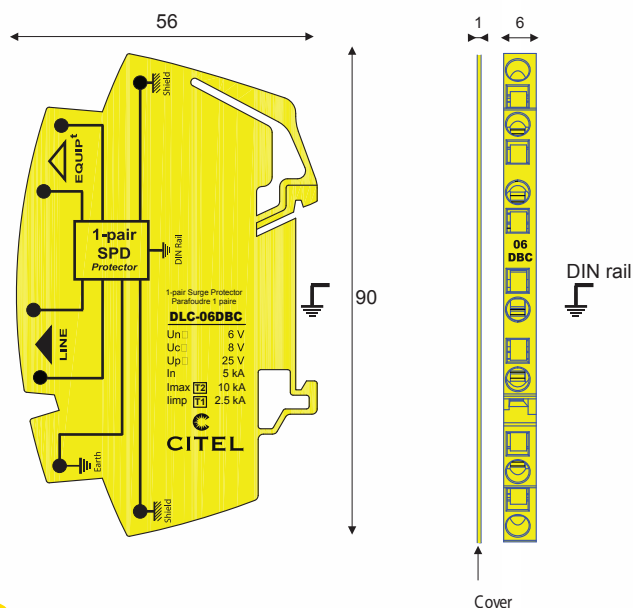
Assembled DLC-24D3

- Din Rail Mounted Surge Protector
- Ultra Compact Stackable Design
- Multiple Configurations for all applications
- Shielded Wire Protection
- Multiple Grounding Options
- UL497B Listed



Dimensions - Electrical Diagrams

(in mm)



Datasheet

1-pair DIN rail Surge Protector for dataline/telecom **DLC**

Characteristics

CITEL part number		DLC-170	DLC-06D3	DLC-06DBC	DLC-12D3	DLC-12DBC	DLC-24D3	DLC-24DBC	DCL-48D3	DLC-48DBC
Typical Application		Telephone line ADSL SDSL - SHDSL	RS422	MIC/T2 10BaseT	RS232 RS485	RS232 RS435	LS 4-20mA	LS 4-100mA	RNIS-T0 Line 48 V	Fipway WorldFIP Fieldbus-H2
Nominal line voltage	Un	150 V	6 V	6 V	12 V	12 V	24 V	24 V	48 V	48 V
Max. line voltage	Uc	170 V	8 V	8 V	15 V	15 V	28 V	28 V	53 V	53 V
Max. line current	IL	300 mA	300 mA	300 mA	300 mA	300 mA	300 mA	300 mA	300 mA	300 mA
Max. Frequency		> 10 MHz	> 3 MHz	> 20 MHz	> 3 MHz	> 3 MHz	> 3 MHz	> 20 MHz	> 3 MHz	> 20 MHz
Protection level 8/20µs impulse - 5 kA	Up	220 V	25 V	25 V	30 V	30 V	40 V	40 V	70 V	70 V
Nominal discharge current 8/20µs impulse - 10 times	In	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA
Max. discharge current 8/20µs impulse - 1 time	I _{max}	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA
Impulse current 10/350µs impulse - 2 times	I _{imp}	2.5 kA	2.5 kA	2.5 kA	2.5 kA	2.5 kA	2.5 kA	2.5 kA	2.5 kA	2.5 kA
End of life		Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit
Mechanical characteristics										
Configuration		1 pair + shield								
Mounting		Symmetrical DIN rail								
Dimensions		see drawing								
Wiring		Connection by spring - max. cross section 1.5 mm ²								
Housing material		Thermoplastic UL94-V0								
Earth Connection		Via DIN rail or spring terminals								
Standard compliance										
NF EN 61643-21 (France) UL497B (USA)		Parafoudre pour réseau de communication - Test catégories C2 et D1 Surge protectors for communication circuits								
Part number										
		641105	641101	641111	641102	641112	641103	641113	641104	641114