

DIN RAIL PLUG-IN SURGE PROTECTOR FOR DATALINE



DLA-06-IS

DLA-IS



- Pluggable surge protection for «DIN» mounting
- For RS422 or RS485 Datalines or fire-panels
- 1-pair + Signal ground + Shield protection
- Signal and Shield grounds can be isolated, to suit the application
- IEC 61643-21 / UL497B compliance

Characteristics

CITEL Model	DLA-06-IS	DLA-12-IS	DLA-24-IS
Description	1-pair Data SPD - DIN mounting - Pluggable		
Network	RS422	RS232 / RS485	4-20 mA
SPD configuration	1-pair + Signal Ground + shield	1-pair + Signal Ground + shield	1-pair + Signal Ground + shield
Nominal line voltage	Un 6 V	12 V	24 V
Max. DC operating voltage	Uc 8 V	15 V	28 V
Max. Load current	IL 2.4 A	2.4 A	2.4 A
Max. frequency	f max > 3 MHz	> 3 MHz	> 3 MHz
Insertion loss @ fmax	< 1 dB	< 1 dB	< 1 dB
Nominal discharge current <i>10 x 8/20µs Test - C2 Category</i>	In 5 kA	5 kA	5 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I _{max} 20 kA	20 kA	20 kA
Impulse current <i>2 x 10/350µs Test - D1 Category</i>	I _{imp} 5 kA	5 kA	5 kA
Protection level (X-X) <i>300 x 10/1000µs Test - C3 Category @10A</i>	Up 20 V	30 V	40 V
Protection level (X-C) <i>300 x 10/1000µs Test - C3 Category @10A</i>	Up 650 V	650 V	650 V
Line resistance (+/-10%)	0.05 ohm	0.05 ohm	0.05 ohm
Failsafe behaviour	Short-circuit	Short-circuit	Short-circuit

Mechanical characteristics

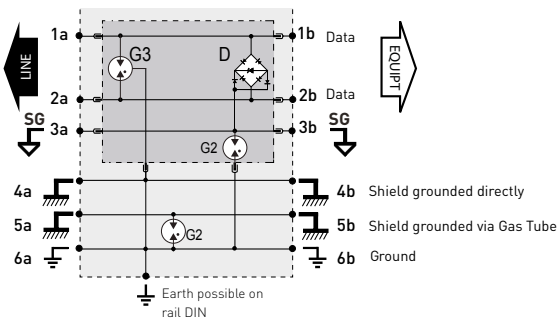
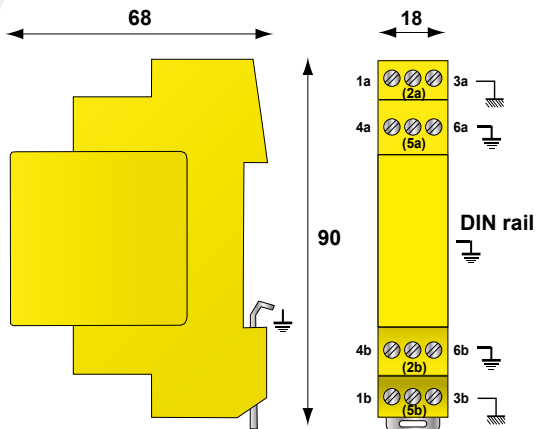
Dimensions	see diagram		
Format	Plug-in DIN box		
Connection to Network	screw terminal - cross section 0.5-2.5 mm ²		
Disconnection indicator	transmission interrupt - Default Mode 2		
Mounting	Symmetrical rail 35 mm (EN60715)		
Operating temperature	-40/+85°C		
Protection rating	IP20		
Housing material	Thermoplastic UL94 V-0		
Spare module	DLAM-06-IS	DLAM-12-IS	DLAM-24-IS

Standards

Compliance	IEC 61643-21 / EN 61643-21 / UL497B		
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Part number

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G3: 3-electrode gas tube
G2: 2-electrode gas tube
D: Clamping diode