



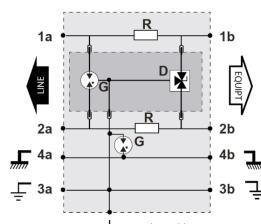
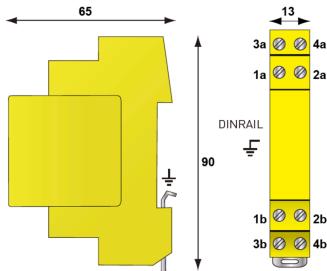
# CITEL

## 1-pair DIN rail plug-in Data surge protector

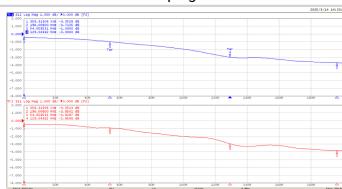
### DLA-12D3



- High current 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



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



#### Electrical Characteristics

Network	RS232, RS485	
Nominal line voltage	Un	12 V
Max. DC operating voltage	Uc	15 Vdc
Cut-off frequency -3dB, 100 ohm system	f max.	> 115 MHz
Insertion loss		< 1 dB
Max. load current @25°C	IL	300 mA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	20 kA
Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	30 V
Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	20 V
Impulse current 2 x 10/350μs Test - D1 Category	I <sub>imp</sub>	5 kA
Nominal discharge current C2 Category	I <sub>n</sub>	5 kA
Line resistance (± 10%)		4.7 Ohm

#### Mechanical Characteristics

Technology	GDT+TVS diode	
SPD configuration	1-pair+shielded	
Connection to Network	By screw terminal: cross section 0.5-2.5mm <sup>2</sup>	
Format	Plug-in DIN box	
Mounting	Symmetrical rail 35 mm (EN 60715)	
Housing material	Thermoplastic UL94 V-0	
Operating temperature	Tu	-40/+85°C
Protection rating	IP20	
Failsafe mode	Short-circuit	
Disconnection indicator	Transmission interrupt - default mode 2	
Spare module(s)	DLAM-12D3	
Dimensions	See diagram	
Standards		
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497B	
Certification	UL Listed	
Part number	6402011	

