



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

# CITEL

## DLA-12D3/R



- 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
- Plug-out with line cut-off
- Location and test categories: D1, C2, C3
- IEC 61643-21 compliance



### Electrical Characteristics

Network		RS232, RS485
Nominal line voltage	Un	12 V
Max. DC operating voltage	Uc	15 Vdc
Max. frequency	f max.	> 3 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
Line inductance (± 10 %)		non
Protection level @ I <sub>n</sub> (8/20 μs)	Up L/L	30 V
Max. capacitance	C	< 50 pF
Impulse current 2 x 10/350 μs 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

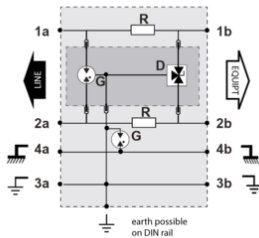
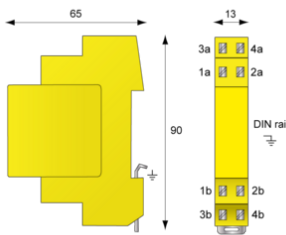
Technology		GDT+Clamping diode
SPD configuration		1-pair+shielded
Connection to Network		Spring terminal: cross section 0.5-2.5mm <sup>2</sup>
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating and storage temperature		-40/+85°C
Protection rating		IP20
Failsafe 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
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### Part number

Part number		6402014
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G: 3-electrode gas tube  
 Gb: 2-electrode gas tube  
 R: Resistor  
 D: Clamping diode

