



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

# CITEL

## DLA-48DBC



- 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



	<b>Electrical Characteristics</b>	
	Network	Fipway, WorldFIP, FieldBus-h2
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube R: Resistor D: Clamping diode</p>	Nominal line voltage	Un 48 V
	Max. DC operating voltage	Uc 53 Vdc
	Max. frequency	f max. > 20 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 75 V
	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
	<b>Mechanical Characteristics</b>	
Technology	GDT+Clamping 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	T <sub>u</sub> -40/+85°C	
Protection rating	IP20	
Failsafe mode	Short-circuit	
Disconnection indicator	Transmission interrupt - default mode 2	
Spare module(s)	DLAM-48dBC	
Dimensions	See diagram	
<b>Standards</b>		
Standards compliance	IEC 61643-21 / EN 61643-21	
<b>Part number</b>		
<b>640421</b>		

