



1-pair DIN rail plug-in Data surge protector

CITEL

DLATS1-48D3



- 1-pair data/line/telecom surge protection
- Local and Remote signaling of SPD status
- DIN rail mounting, Screw connect status
- Plug-in module
- 1 monitoring module + SPD modules (up to 48) + bus
- Discharge current I_{max}/I_n : 20 kA / 5kA
- Complies with IEC/EN 61643-21 and UL497A

Electrical Characteristics	
Network	RNIS-T0, 48 V line
Nominal line voltage	Un 48 V
Max. DC operating voltage	Uc 53 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_{max} 20 kA
Line inductance	No
Protection mode(s)	Common/Differential mode
Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up 70 V
Impulse current $2 \times 10/350\mu s$ Test - D1 Category	Imp 5 kA
Nominal discharge current C2 Category	I_n 5 kA
Line/Line Nominal discharge current C2 Category	$I_{n L/L}$ 5 kA
Nominal Discharge Current, X-C (Line/Earth) $8/20\mu s$ Test x 10 - C2 Category	$I_{n L/PE}$ 5 kA
Mechanical Characteristics	
Technology	GDT+Clamping diode+PTC (thermal resistor) + Resistor
SPD configuration	1-pair+shielded
Connection to Network	By screw terminal: cross section 0.5-2.5mm ²
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	Transmision cut-off - fault mode 2 (short circuit)
Disconnection indicator	Red light on
Spare module(s)	DLATS1M-48D3
Remote signaling of disconnection	Through control module
Remote signaling of disconnection via control module	Yes
Dimensions	See diagram
Weight	0.067 kg
Standards	
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A
Part number	6417041

Connection ribbons available:

Nb of pole	Ref. Ribbon
2 - 5	R-BUS 5P (301134)
6 - 10	R-BUS 10P (301133)
11 - 25	R-BUS 25P (301135)
26 - 49	R-BUS 49P (301143)

