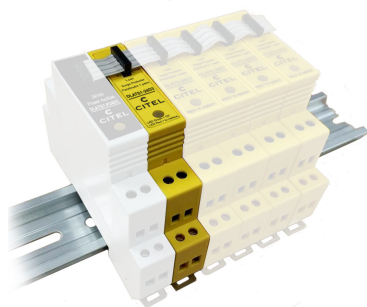




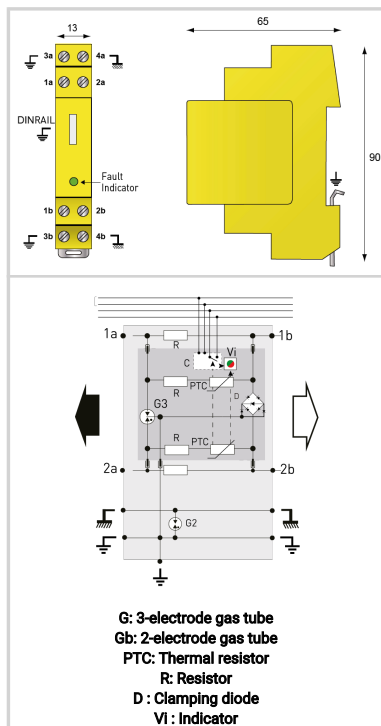
CITEL



1-pair DIN rail plug-in Data surge protector

DLATS1-24D3

- ▶ 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 UL497B



Electrical Characteristics

Network		4-20mA, Liaison 24V
Nominal line voltage	Un	24 V
Max. DC operating voltage	Uc	28 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 μ s by pole	I _{max}	20 kA
Nominal discharge current C2 Category	I _n	5 kA
Nominal Discharge Current, X-C (Line/Earth) 8/20 μ s Test x 10 - C2 Category	I _n L/PE	5 kA
Protection mode(s)		Common/Differential mode
Protection Level C3 (10/1000 μ s), 300 applications@10 A, Y-Y (Line/Line)	Up	40 V
Protection Level C3 (10/1000 μ s), 300 applications@10 A, Y-C (Line/Earth)	Up	40 V
Impulse current D1 (10/350 μ s), 2 applications, X-C (Line/Earth)	I _{imp}	5 kA
Line/Line Nominal discharge current C2 Category	I _n L/L	5 kA
Line resistance ($\pm 10\%$)		4.7 Ohm

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		Transmission cut-off - fault mode 2 (short circuit)
Disconnection indicator		Red light on
Spare module(s)		DLATSM1-24D3
Remote signaling of disconnection		Trough control module
Connection bus		SPD connection/control module by bus: bus 1+4 (1 control module+4 SPD), bus 1+9, bus 1+24 and bus 1+48
Dimensions		See diagram
Weight		0.067 kg

Standards

Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B
Environmental standards		EU RoHS

Part number

6417031

