



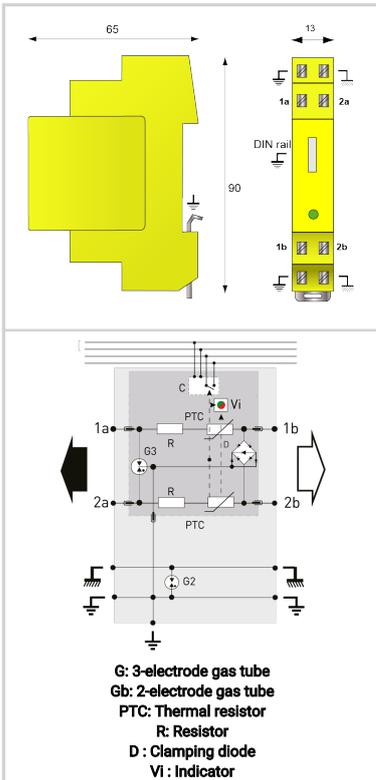
CITEL

1-pair DIN rail plug-in Data surge protector

DLAWTS1-24D3/R



- Surge protection for 1-pair
- Pluggable protection module
- Optical fault indication
- Remote signalling (DLAWTS1-48DC required for power supply)
- Indirect shield connection
- Indirect earthing
- Signal interruption when module is disconnected
- Conforms to IEC 61643-21, VDE 0845-3-1 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 μs by pole	Imax	20 kA
Nominal discharge current C2 Category	In	5 kA
Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category	In L/PE	5 kA
Protection mode(s)		Common/Differential mode
Protection Level C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)	Up	40 V
Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)	Up	40 V
Impulse current D1 (10/350μs), 2 applications, X-C (Line/Earth)	limp	5 kA
Line/Line Nominal discharge current C2 Category	In L/L	5 kA
Line resistance (± 10%)		4.7 Ohm

Mechanical Characteristics

Disconnection		Specific version with line cut-off in case of removal plug-in module
Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor
SPD configuration		1-pair+shielded
Connection to Network		Spring 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		Specific version with line cut-off in case of removal plug-in module
Disconnection indicator		Red light on
Spare module(s)		DLAWTS1M-24D3
Remote signaling of disconnection		Trough control module
Remote signaling of disconnection via control module		With attached separated 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

Standards

Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B
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Part number

6421034

