



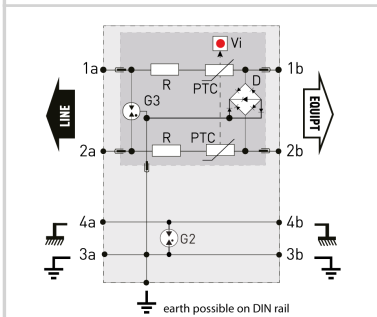
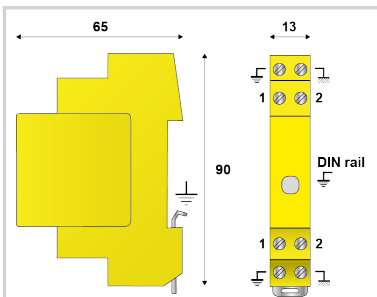
# CITEL

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

### DLAWS1-24D3



- › 1-pair Surge protection
- › Pluggable protection module
- › Optical fault indication
- › Indirect shield connection
- › Visual indicator in failsafe behaviour
- › Indirect earthing
- › Current circuit disconnection when module is unplugged
- › Conforms to IEC 61643-21, VDE 0845-3-1 and UL497B



**G:** 3-electrode gas tube  
**Gb:** 2-electrode gas tube  
**PTC:** Thermal resistor  
**R:** Resistor  
**D:** Clamping diode  
**VI:** Indicator

#### Electrical Characteristics

Network		4-20mA, Liaison 24V
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 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

#### ELEC

Nominal line voltage	Un	24 V
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#### 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		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	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Opening line - transmission cut-off - fault mode 2
With line cut-off in case of removal plug-in module		Yes
Disconnection indicator		Red light on
Spare module(s)		DLAWS1M-24D3
Dimensions		See diagram

#### Standards

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

#### Part number

6419031

