



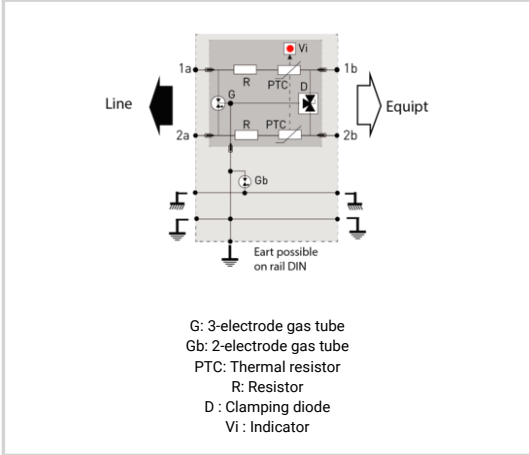
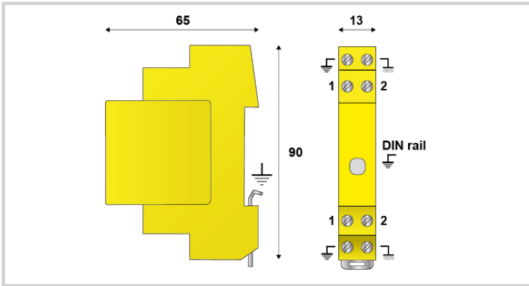
# 1-pair DIN rail plug-in Data surge protector

# CITEL

## 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



Electrical Characteristics	
Network	4-20 mA
Max. DC operating voltage	Uc 28 Vdc
Max. frequency	f max. > 3 MHz
Insertion loss	< 1 dB
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub> 20 kA
Line inductance (± 10 %)	non
Protection mode(s)	Common/Differential mode
Protection level @ I <sub>n</sub> (8/20 μs)	U <sub>p</sub> L/L 40 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/Line Nominal discharge current C2 Category	I <sub>n</sub> L/L 5 kA
Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category	I <sub>n</sub> L/PE 5 kA
Line resistance (± 10%)	4.7 Ohm
ELEC	
Nominal line voltage	U <sub>n</sub> 24 V
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	T <sub>u</sub> -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 / UL497A
Certification	UL Listed
Part number	
6419031	

