



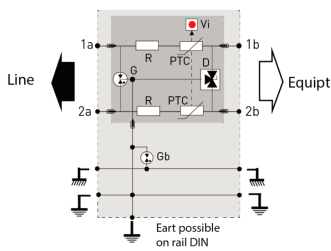
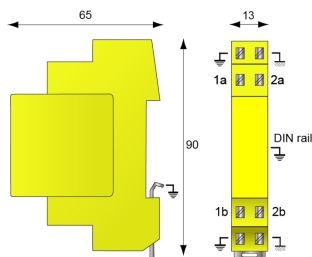
CITEL

1-pair DIN rail plug-in Data surge protector

DLAWS1-12D3/R



- ✦ 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		RS232 - RS485
Nominal line voltage	Un	12 V
Max. DC operating voltage	Uc	15 Vdc
Max. frequency	f max.	> 3 MHz
Insertion loss		< 1 dB
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	20 kA
Protection mode(s)		Common/Differential mode
Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)	Up	30 V
Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up	30 V
Impulse current 2 x 10/350µs Test - D1 Category	I _{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) 8/20µs Test x 10 - C2 Category	I _{n L/PE}	5 kA
Line resistance (± 10%)		4.7 Ohm
ELEC		
Nominal line voltage	Un	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 spring contact terminal
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-12D3
Dimensions		See diagram
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B
Part number		
6419024		

