



CITEL

1-pair DIN rail plug-in Data surge protector

DLAWS1-12D3



- 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

Connection ribbons available:

Nb of pole	Ref. Ribbon
2 - 5	R-BUS 5P (301134)
6 - 10	R-BUS 10P (301133)
11 - 25	R-BUS 25P (301135)
26 - 49	R-BUS 49P (301143)

Electrical Characteristics		
Network		4-20 mA
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 <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	20 kA
Line inductance		No
Protection mode(s)		Common/Differential mode
Protection level <i>@ I_n (8/20 μs)</i>	U _p L/L	30 V
Impulse current <i>2 x 10/350 μs Test - D1 Category</i>	I _{imp}	5 kA
Nominal discharge current <i>C2 Category</i>	I _n	5 kA
Line/Line Nominal discharge current <i>C2 Category</i>	I _n L/L	5 kA
Nominal Discharge Current, X-C (Line/Earth) <i>8/20 μs Test x 10 - C2 Category</i>	I _n L/PE	5 kA
Line resistance		< 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 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		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 / UL497A
Certification		UL Listed

Part number		
		6419021

