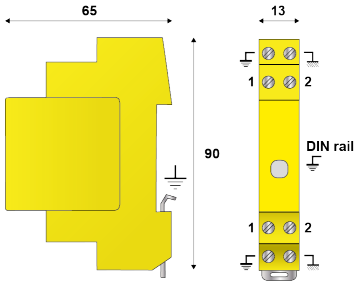
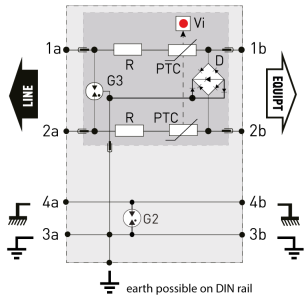
1-pair DIN rail plug-in Data surge protector

DLAWS1-06D3



- 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		RS422
Nominal line voltage	Un	6 V
Max. DC operating voltage	Uc	8 Vdc
Cut-off frequency *-3dB, 100 ohm system*	f max.	> 115 MHz
Cut-off frequency *-1dB, 100 ohm system*	f max.	> 50 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	20 V
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)*	Up	20 V
Impulse current *D1 (10/350µs), 2 applications, X-C (Line/Earth)*	Iimp	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		By screw terminal: cross section 0.5-2.5mm²
Format		Din Rail Base-Plug-in Module
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 - transmision 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-06D3
Dimensions		See diagram
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B
Certification		UL Listed
Environmental standards		EU RoHS
Part number		
6419011		