



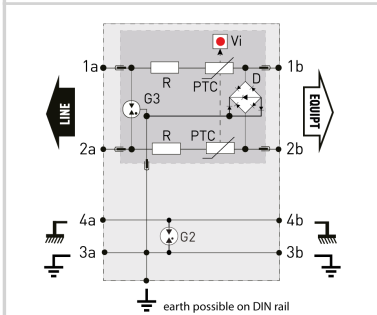
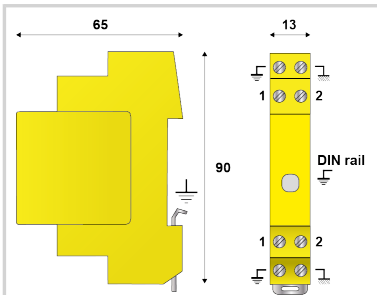
# CITEL

## UL497B LISTED - I<sub>max</sub> 20kA - I<sub>n</sub> 5kA - Modular

### DLAWS1-48D3



- Hybrid SAD-GDT Technology
- UL497B LISTED
- 20kA I<sub>max</sub> (1x 8/20us)
- 5kA I<sub>imp</sub> (2x 10/350us)
- 5kA I<sub>n</sub> (10x 8/20us)
- Modular with Visual Fault Indicator
- Spring & Screw Terminal versions
- Circuit disconnection with Module removal
- Common/Differential Mode Protection



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

Electrical Characteristics		
Network		ISDN-T0, 48 V
Nominal line voltage	Un	48 V
Max. DC operating voltage	Uc	53 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	I <sub>max</sub>	20 kA
Nominal discharge current C2 Category	I <sub>n</sub>	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
Protection Level C3 (10/1000 μs), 300 applications@10 A, Y-Y (Line/Line)	Up	70 V
Protection Level C3 (10/1000 μs), 300 applications@10 A, Y-C (Line/Earth)	Up	70 V
Impulse current D1 (10/350 μs), 2 applications, X-C (Line/Earth)	I <sub>imp</sub>	5 kA
Line resistance (± 10%)		4.7 Ohm
Mechanical Characteristics		
Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor
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)
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
NETWORK CONFIGURATION		1 pair
MATERIAL		Thermoplastic UL94-V0
DIMENSIONS		See diagram
SPARE PART		DLASM-48D3
Standards		
Certification		UL Listed
Environmental standards		EU RoHS
UL STANDARD		UL497B
UL CATEGORY		QVGQ
UL FILE NUMBER		E184939
STANDARDS		IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number		
<b>6419041</b>		

