



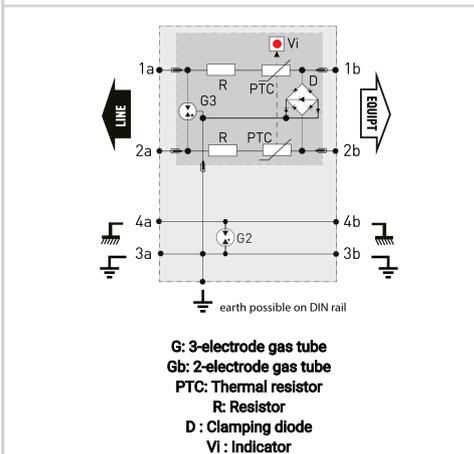
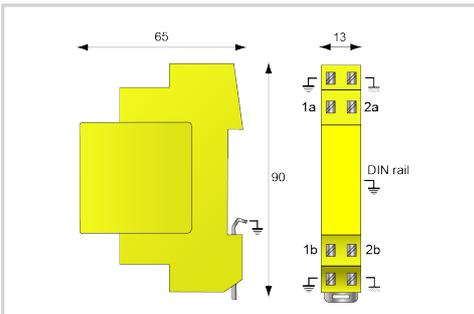
# CITEL

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

## DLAWS1-24D3/R



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



### Electrical Characteristics

Network		ISDN, 48 V line
Max. DC operating voltage	Uc	28 Vdc
Max. frequency	f max.	3 MHz
Insertion loss		< 1 dB
Max. load current @25°C	IL	300 mA
Nominal discharge current C2 Category	I <sub>n</sub>	5 kA
Nominal Discharge Current, X-C (Line/Earth) 8/20 $\mu$ s Test x 10 - C2 Category	In L/PE	5 kA
Protection mode(s)		Common mode
Protection Level C3 (10/1000 $\mu$ s), 300 applications@10 A, Y-Y (Line/Line)	Up	40 V
Protection Level C3 (10/1000 $\mu$ s), 300 applications@10 A, X-C (Line/Earth)	Up	40 V
Impulse current D1 (10/350 $\mu$ s), 2 applications, X-C (Line/Earth)	I <sub>imp</sub>	5 kA
Line resistance ( $\pm$ 10%)		4.7 Ohm
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	24
WIRES		2W+Shield+G
LINE CURRENT MAX	(A)	0.3
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	40
MCOV	(V)	28
IN 10 impulses 8/20 $\mu$ s	(kA)	5
IMAX 8/20 $\mu$ s	(kA)	20
I <sub>imp</sub> 10/350 $\mu$ s	(kA)	5
DATA SPEED	(Mbps)	10/100

### Mechanical Characteristics

Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor
Connection to Network		By spring contact terminal
Format		Plug-in DIN box
Failsafe mode		Opening line - transmission cut-off - fault mode 2
With line cut-off in case of removal plug-in module		Yes
TECHNOLOGY		SAD-GDT
NETWORK CONFIGURATION		1 pair
CONNECTION METHOD		Spring Contact Terminal
MOUNTING		DIN RAIL
MATERIAL		Thermoplastic UL94-V0
NEMA RATING (IP RATING)		NEMA 2 (IP20)
DIMENSIONS		See diagram
WEIGHT		0.30 lbs



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

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### DLAWS1-24D3/R

SPARE PART	DLASM-24D3
<b>Standards</b>	
UL STANDARD	UL497B (pending)
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
<b>Part number</b>	
<b>6419034</b>	

