



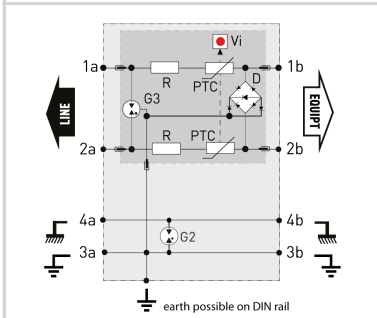
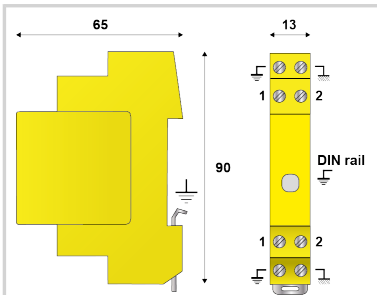
# CITEL

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

### DLAWS1-24D3



- 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   |                     | 4-20mA, Liaison 24V                                     |
| 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  |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole                    | I <sub>max</sub>    | 20 kA   |
| Nominal discharge current<br>C2 Category                                      | I <sub>n</sub>      | 5 kA  |
| Nominal Discharge Current, X-C (Line/Earth)<br>8/20μs Test x 10 - C2 Category | I <sub>n</sub> L/PE | 5 kA  |
| Protection Level<br>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)    | Up                  | 40 V  |
| Protection Level<br>C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)   | Up                  | 40 V  |
| Impulse current<br>D1 (10/350μs), 2 applications, X-C (Line/Earth)            | I <sub>imp</sub>    | 5 kA  |
| Line resistance (± 10%)   |                     | 4.7 Ohm   |
| ELEC  |                     |   |
| Nominal line voltage  | Un                  | 24 V  |
| 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> |
| Mounting  |                     | Plug-in DIN box   |
| 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-24D3  |
| 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>6419031</b>  |                     |   |

