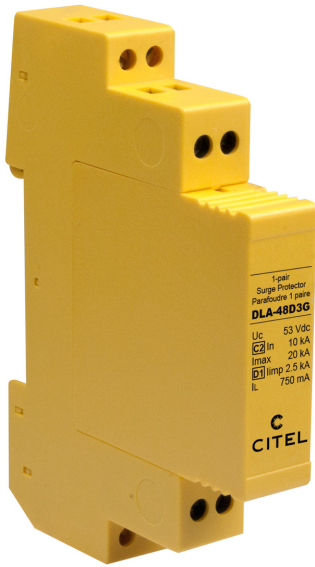




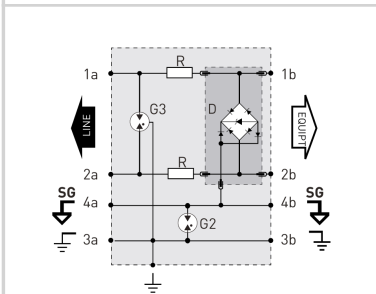
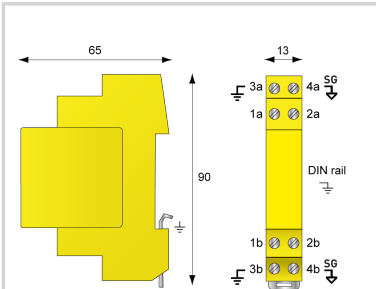
# CITEL

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

## DLA-48D3G



- Hybrid GDT-TVS 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
- 2W+SHIELD+G



**G: 3-electrode gas tube**  
**Gb: 2-electrode gas tube**  
**R: Resistor**  
**D: Clamping diode SG: Signal ground**



| Electrical Characteristics   |                  |   |
|--|------------------|---|
| Network  |                  | ISDN, 48 V line   |
| Nominal line voltage   | Un               | 48 V  |
| Max. DC operating voltage  | Uc               | 53 Vdc  |
| Cut-off frequency<br>-3dB, 100 ohm system  | f max.           | > 80 MHz  |
| Cut-off frequency<br>-1dB, 100 ohm system  | f max.           | > 45 MHz  |
| Max. load current @25°C  | IL               | 750 mA  |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole   | I <sub>max</sub> | 20 kA   |
| Nominal Discharge Current<br>C2 (1.2/50us / 8/20μs), 10 applications, X-X (Line/Line), X-SG (Line/Signal Ground)   | I <sub>n</sub>   | 10 kA   |
| Nominal Discharge Current<br>C2 (1.2/50us / 8/20μs), 10 applications, X-C (Line/Earth), SG-C (Signal Ground/Earth) | I <sub>n</sub>   | 10 kA   |
| Protection Level<br>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line-Line), Y-SG (Line-Signal Ground)              | Up               | 90 V  |
| Protection Level<br>C3 (10/1000μs), 300 applications@10 A, Y-C (Line-Earth), SG-C (Signal Ground-Earth)            | Up               | 650 V   |
| Impulse current<br>D1 (10/350μs), 2 applications, X-C (Line/Earth), X-SG (Line/Signal Ground) and SG-C             | I <sub>imp</sub> | 2.5 kA  |
| Line resistance (± 10%)  |                  | 1.5 Ohm   |
| Mechanical Characteristics   |                  |   |
| Technology   |                  | GDT+TVS diode   |
| Connection to Network  |                  | By spring terminal - max. cross section 2.5mm <sup>2</sup> / AWG 13 (solid or stranded) |
| Format   |                  | Din Rail Base-Plug-in Module  |
| Mounting   |                  | Symmetrical rail 35 mm (EN 60715)   |
| Operating temperature  | Tu               | -40/+85°C   |
| Ingress Protection rating  |                  | IP20 (NEMA 2)   |
| Failsafe mode  |                  | Short-circuit   |
| NETWORK CONFIGURATION  |                  | 1 pair (2W+Shield+G)  |
| MATERIAL   |                  | Thermoplastic UL94-V0   |
| DIMENSIONS   |                  | See diagram   |
| Standards  |                  |   |
| Environmental standards  |                  | EU RoHS   |
| UL STANDARD  |                  | UL497B  |
| UL CATEGORY  |                  | QVGO  |
| UL FILE NUMBER   |                  | E184939   |
| STANDARDS  |                  | IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993                                      |
| Part number  |                  |   |
| <b>640194</b>  |                  |   |

