



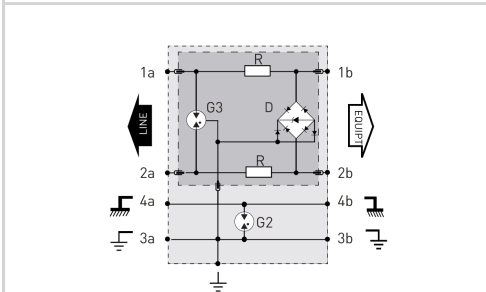
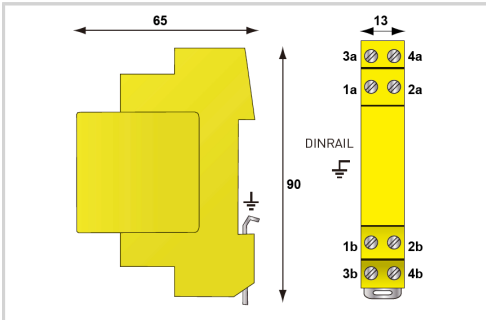
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UL497B LISTED - I_{max} 20kA - I_n 5kA - Modular

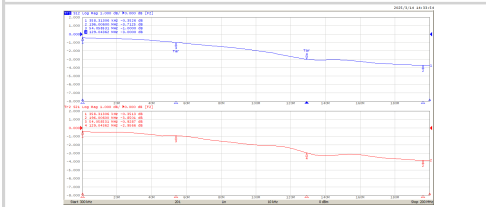
DLAW-12D3



- Hybrid SAD-GDT Technology
- UL497B LISTED
- 20kA I_{max} (1x 8/20us)
- 5kA I_{imp} (2x 10/350us)
- 5kA I_n (10x 8/20us)
- Modular
- 2W+SHIELD+G



G: 3-electrode gas tube
Gb: 2-electrode gas tube
R: Resistor
D: Clamping diode



Electrical Characteristics

| | | |
|---|---------|---------------|
| Network | | RS232, RS485 |
| Max. DC operating voltage | Uc | 15 Vdc |
| Max. load current @25°C | IL | 300 mA |
| 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 | 30 V |
| Protection Level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth) | Up | 20 V |
| Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth) | Iimp | 5 kA |
| Line resistance (± 10%) | | 4.7 Ohm |
| DATA SPD TYPE | | UL497B LISTED |
| VOLTS | (V) | 12 |
| WIRES | | 2W+SHIELD+G |
| LINE CURRENT MAX | (A) | 0.3 |
| AMBIENT MIN | (C) | -50 |
| AMBIENT MAX | (C) | +85 |
| RESIDUAL VOLTAGE | (V) | 30 |
| MCOV | (V) | 15 |
| I _N 10 impulses 8/20µs | (kA) | 5 |
| I _{MAX} 8/20µs | (kA) | 20 |
| I _{imp} 10/350µs | (kA) | 5 |
| DATA SPEED | (Mbps) | 10/100 |
| INSERTION LOSS (@ FREQ) | (db) | < 1 |

Mechanical Characteristics

| | |
|---|---|
| Technology | GDT+TVS diode |
| Connection to Network | By screw terminal: cross section 0.5-2.5mm ² |
| Format | Plug-in DIN box |
| Failsafe mode | Short-circuit |
| With line cut-off in case of removal plug-in module | Yes |
| TECHNOLOGY | SAD-GDT |
| NETWORK CONFIGURATION | 1 pair |
| CONNECTION METHOD | Screw Terminal |
| DISCONNECTION | Line disconnect with module removal |
| MOUNTING | DIN RAIL |
| MATERIAL | Thermoplastic UL94-V0 |
| NEMA RATING (IP RATING) | NEMA 2 (IP20) |
| DIMENSIONS | See diagram |
| WEIGHT | 0.30 lbs |
| SPARE PART | DLAWM-12D3 |

Standards

| | |
|----------------|--|
| UL STANDARD | UL497B |
| UL CATEGORY | QVQO |
| UL FILE NUMBER | E184939 |
| STANDARDS | IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993 |



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UL497B LISTED - I_{max} 20kA - In 5kA - Modular

DLAW-12D3

| ENVIRONMENTAL STANDARDS | ROHS |
|-------------------------|------|
| Part number | |
| 640802 | |

