



1-Pair Din Rail DC Signal Line Surge Protectors

DLA Series



DLA-24D3

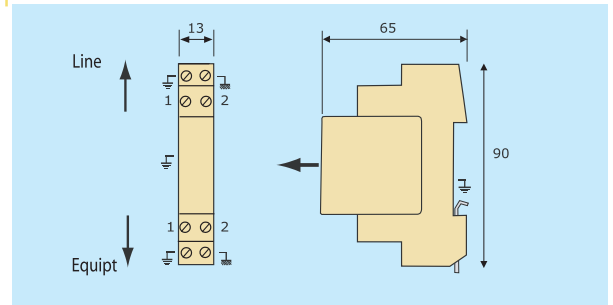


The DLA series are Din rail mount DC signal line surge protectors with replaceable modules that are designed to protect your sensitive telephone, datacom and instrumentation equipment against harmful lightning surges and electrical transients.

The DLA Series utilize a hybrid protection circuit consisting of high energy Gas Discharge Tubes (GDTs) and fast clamping diodes that offer an ultra fast response time (<1 ns) and a very high power handling capability of 20kA 8/20µs. These units automatically reset after each surge event.

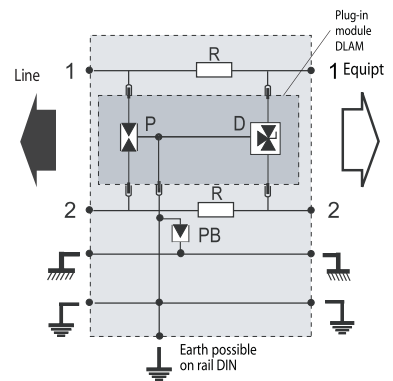
The DLA Series are connected via screw terminals and are available for protection of 1-pair. These devices incorporate a replaceable module for fast and easy maintenance. (Replaceable Module Part #: DLAM-06D3, DLAM-12D3, DLAM-24D3, DLAM-48D3, DLAM-170)

Dimensions (in mm)



Electrical Diagram

DLA standard version



Characteristics

| CITEL Number | DLA-170 | DLA-48D3 | DLA-24D3 | DLA-12D3 | DLA-06D3 |
|---|--|-------------------|---------------------|---------------|----------------------------|
| Application | Telephone line ADSL, DSL | ISDN-T0 48 V line | Leased line 4-20 mA | RS232 | RS422, T1 RS485, 10 Base T |
| Configuration | 1 pair+shield | 1 pair+shield | 1 pair+shield | 1 pair+shield | 1 pair+shield |
| Nominal line voltage (Un) | 150V | 48V | 24V | 12V | 6V |
| Max. line voltage (Uc) | 170V | 53V | 28V | 15V | 8V |
| Max. line current | 300mA | 300mA | 300mA | 300mA | 300mA |
| Protection level (Up) 8/20µs impulse - 5 kA | 220V | 70V | 40V | 30V | 20V |
| Nominal discharge current (In) 8/20µs impulse - 10 times | 5kA | 5 kA | 5kA | 5kA | 5kA |
| Max. discharge current (Imax) 8/20µs impulse - 1 time | 20kA | 20kA | 20kA | 20kA | 20kA |
| Impulse current (Iimp) 10/350µs impulse - 2 times | 5kA | 5kA | 5kA | 5kA | 5kA |
| Type of diagram | Short-circuit | Short-circuit | Short-circuit | Short-circuit | Short-circuit |
| End of Life | 5kA | 5kA | 5kA | 5kA | 5kA |
| Spare module | DLAM-170 | DLAM-48D3 | DLAM-24D3 | DLAM-12D3 | DLAM-06D3 |
| Versions | DLA-xxx : standard version (line continuity after removal of plug-in module) | | | | |
| Mechanical specifications | Symmetrical DIN rail mounting Dimensions : see drawing Connection by screw - min/max, cross section 0.4/1.5 mm ² Housing material : Thermoplastic UL94-V0 Earth connection via DIN rail or screw terminal | | | | |

Available Options

- DLAH : Designed for signal line with high nominal line currents up to 2.4Amps.
- DLAW : Removal of the pluggin module will cut off line transmission.