



1-Pair & 2-Pair Din Rail DC Signal Line Surge Protectors

DLA, DLA2 Series



The DLA(2) 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(2) 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(2) Series are connected via screw terminals and are available for protection of 1-pair or 2-pair. These devices incorporate a replaceable module for fast and easy maintenance.

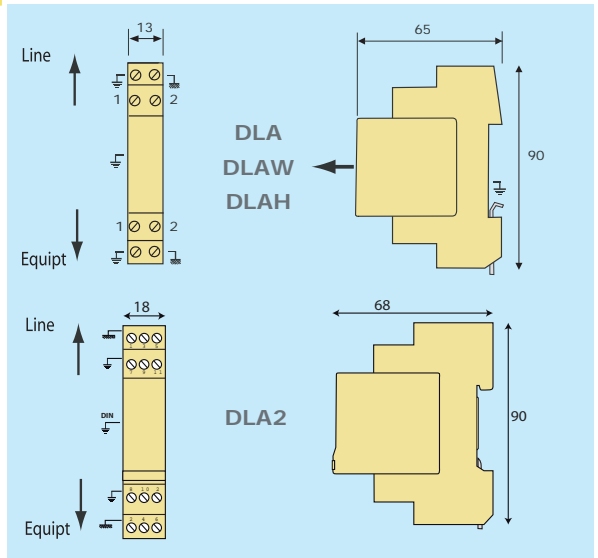
Available Options

- DLAH : Plug-in schematic similar to DLA. Designed for signal line with nominal line currents up to 2.4 Amps
- DLAW : Removal of the plug-in module will cut off the line transmission.

Characteristics

CITEL Number	DLA-170/ DLA2-170	DLA-48D3/ DLA2-48D3	DLA-24D3/ DLA2-24D3	DLA-12D3/ DLA2-12D3	DLA-06D3/ DLA2-06D3
Application	Telephone line ADSL, DSL	ISDN-T0 48 V line	Leased line 4-20 mA	RS232 RS485	RS422, 10 Base T
Configuration	1 pair+shield/ 2 pair+shield	1 pair+shield/ 2 pair+shield	1 pair+shield/ 2 pair+shield	1 pair+shield/ 2 pair+shield	1 pair+shield/ 2 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	10kA	10kA	10kA	10kA	10kA
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
End of Life	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit
Spare module	DLAM-170/ DLA2M-170	DLAM-48D3/ DLA2M-48D3	DLAM-24D3/ DLA2M-24D3	DLAM-12D3/ DLA2M-12D3	DLAM-06D3 DLA2M-06D3
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				

Dimensions (in mm)



Electrical Diagram

