



DIN rail plug-in Surge Protector for dataline/telecom DLA



The DLA Series Din Rail mount surge protectors are resettable and are designed to protect your sensitive datacom, telephone and instrumentation equipment against harmful lightning surges and electrical transients.

These surge protectors must be installed on a symmetrical DIN rail and are available for transmission lines ranging from 6-170Vdc and can handle transmission speeds up to 10 Mbps.

These surge protectors utilize a hybrid technology consisting of GDT's and fast clamping diodes offering an ultra-fast response time of less than 1 ns and a higher power handling capability of 20 kA.

These surge protectors protect 1 pair (2 wires) and have replaceable modules for fast and easy maintenance (spare module: DLAM).

These surge protectors protect the shield to ground via a gas tube and offer direct earth grounding via the din rail clip.

Specific versions :

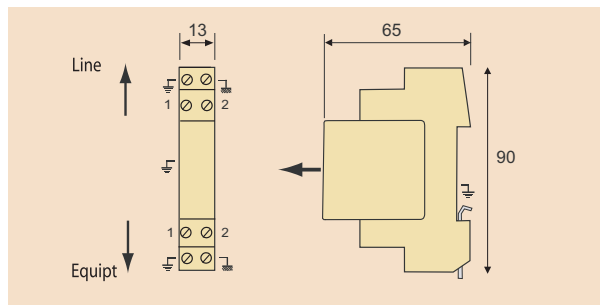
DLAW : in this version, the removal of the plug-in module will cut the line transmission off.

DLAH : version designed for lines with higher line current (remote supply...) up to 2,4 A.



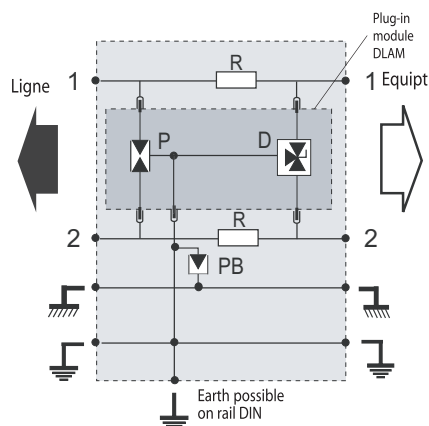
- Replaceable surge protection for «DIN» mounting
- All types of Telephone and Data lines
- Shield to ground protection
- IEC 61643-21 compliant
- Maximum line current available up to 2.4 A

Dimensions (in mm)

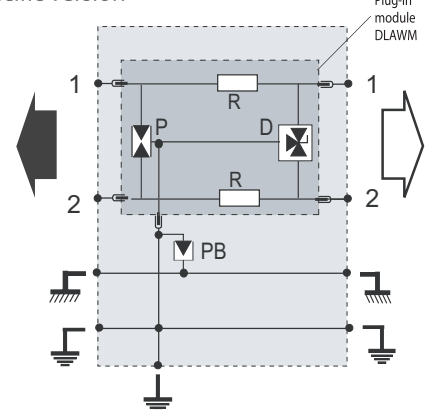


Electrical diagrams

DLA standard version



DLAW specific version



P : 3-electrode gas tube
Pb : 2-electrode gas tube
R : Resistor
D : Clamping diode



DIN rail surge protector for dataline/telecom

DLA

Characteristics

Référence CITEL	DLA-170	DLA-48D3	DLA-24D3	DLA-12D3	DLA-06D3	DLA-06DBC
Utilisations type	Telephone line ADSL	ISDN-T0 48 V line	Leased line 4-20 mA	RS232	RS422 RS485	MIC/T2 10BaseT
Configuration	1 pair+shield	1 pair+shield	1 pair+shield	1 pair+shield	1 pair+shield	1 pair+shield
Nominal line voltage (Un)	150 V	48 V	24 V	12 V	6 V	6 V
Max. line voltage (Uc)	170 V	53 V	28 V	15 V	8 V	8 V
Max. line current	300 mA	300 mA	300 mA	300 mA	300 mA	300 mA
Protection level (Up) <i>8/20µs impulse - 5 kA</i>	220 V	70 V	40 V	30 V	20 V	25 V
Nominal discharge current (In) <i>8/20µs impulse - 10 times</i>	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA
Max. discharge current (Imax) <i>8/20µs impulse - 1 time</i>	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA
Impulse current (Iimp) <i>10/350µs impulse - 2 times</i>	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA
Type of diagram	D	D	D	D	D	D
End of life	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit
Spare module	DLAM-170	DLAM-48D3	DLAM-24D3	DLAM-12D3	DLAM-06D3	DLAM-06DBC
Versions	DLA-xxx : standard version (line continuity in case of removal of plug-in module) DLAW-xxx : specific version (line cut-off in case of removal of plug-in module) DLAH-xxx : «remote supply» version (max. line current = 2,4 A)					
Mechanical specifications	Symmetrical DIN rail mounting Dimensions : see page 1 Screw terminal - wire size min/max: 22/16 AWG Housing material : Thermoplastic UL94-V0 Ground connection via DIN rail and screw terminal					

C11