

DATA SHEET

Reference :

PTL 3LS 18

Code :

30344

MODULAR PROTECTOR FOR REMOTE SENSOR LINES

CE Marking

Comply with european regulation 89/336/CEE

Use

This protector has been specially designed to protect remote sensors connected to PLC control units through twin-axial shielded cables.

This protector includes 4 stages in series providing full modes protection between the two wires of the line, the shield and the ground conductor.

Using special integrated and matched hybrid components, provided with fail-safe technology, this protector offers an excellent protection whose main points needing high discharge current, very low parasite capacitance, and very high speed response, super tight clamping voltage, and low insertion losses. These outstanding characteristics make this protector perfectly suited in special use conditions for sensitive electronic equipment in intrinsec safety circuits.



Electrical Characteristics

- ◆ Breakdown voltage differential Mode (1KV/useg): 18 V_{peak typ.}
- ◆ Breakdown voltage common Mode (1KV/useg): 18 V_{peak typ.}
- ◆ Breakdown voltage Shield - Gnd. (1KV/useg): 90 V_{peak máx.}
- ◆ Total Impulse discharge current (8 x 20 μ s) : >15 kA
- ◆ Parasite capacitance : 300 pF
- ◆ Response time : < 10 pseg.
- ◆ Insertion losses : < 0,1 dB

Mechanical Characteristics

- ◆ Modular plastic enclosure - fixing on 35 mm DIN rail
- ◆ Connections by screws.
- ◆ Dimensions : (H x D x W) 87 x 58 x 17,5 mm.
- ◆ Weight : 70 gr.

Electric diagram

HA: Hibrid arrester
SA: SAD array

