

## DSA-01H Single Port RS-485 Surge Arrester

### Product Features

- High speed protector monitors the current with MOSFET detection triggering to provide an effective barrier for sensitive electronics
- High speed protection response of 1µs
- Overcurrent and overvoltage protection
- High speed data rate of 10Mbps
- Protect against faults caused by:
  - Short circuits
  - AC power cross
  - Induction
  - Lighting surges



RS-485 Surge Arrester	DSA-01H
<b>Product Description</b>	Single port Half Duplex RS-485 or Simplex RS-422 (2-wire Surge Arrester)
<b>Technical Specifications:</b>	
<b>Interface:</b>	
Data Input:	3-way removable screw terminal
Data Output:	3-way removable screw terminal
Grounding:	On 3-way removable screw terminal (requires connection to a good electrical earth)
Standard:	TIA/EIA-485
RS-485 maximum data rate:	10Mbps
<b>Protection:</b>	
Operating voltage levels:	-7V to +12V
Maximum voltage:	24V
Maximum operating current:	500mA
Maximum continuous AC Vrms:	100V
Peak impulse voltage:	250V (<10ms)
Maximum electrostatic discharge:	8kV
Time - operating mode to protected state:	1µs
Maximum discharge current:	10KA
Maximum impulse breakdown:	450V (100V/µs)
Impulse life (10/1000µs):	400 times
<b>General:</b>	
Power supply:	no external power required
Operating temperature:	-30°C to 60°C
Operating humidity:	0% to 95%; non-condensing
Dimensions (mm):	55 x 29 x 50