



**Standard Specification Sheet Model: PS90-A1**  
**Plug-in High Performance Arrester for Power Input**  
**(100V AC, up to 2A)**

**ARRESTANT**

**OVERVIEW**

ARRESTANT is a series of high performance lightning arresters that protect electronic instruments by absorbing surge voltage induced by lightning. To protect the instruments effectively, arresters shall be installed adjacent to instrument to be protected against lines where surge voltage is induced. PS90-A1 is designed to protect 100V AC power input port.

**ORDERING INFORMATION**

Ordering Code	Standard Price
PS90-A1	OPEN

**SPECIFICATIONS**

**INPUT AND OUTPUT SECTION**

Input Signal	100V AC
Output Signal	100V AC

**PERFORMANCE**

Allowable Current Leakage	Between lines: 1mA or less (at 200V DC)
	Between ground: 1mA or less (at 400V DC)
Instrument Side Voltage Limit	Between lines: 500V or less (at 10kV, 1.2/50 μs)
	Between ground: 1000V or less (at 10kV, .2/50 μs)
Surge Discharge Withstand Capacity	Between lines: 1000A (at 8/20 μs)
	Between ground: 5000A (at 8/20 μs)
Discharge Starting Voltage	Between lines: 240V or more
	Between ground: 420V or more
Maximum Load Current	2A
Temperature	-10~60°C
Humidity	5~90%RH (no condensation)

**PHYSICAL**

Construction	2 sections construction of main body and terminal base: plug-in + screw fastening
Material	Black, flame resistance ABS resin (Case body) Black, flame resistance ABS resin (Terminal base)
Grounding	JIS Class 3 grounding [100Ω or less] (with grounding bar)
Mounting Method	Wall mounting with M4 screw

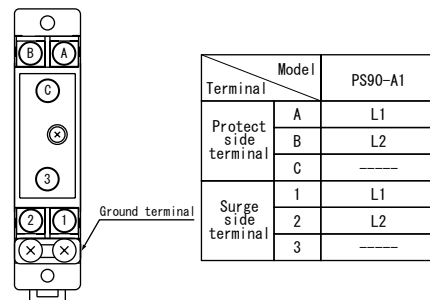
Connection Method	M4 screw terminal connection (fastening torque 1.2 N·m or less)
External Dimension	W23.5×H100×D55mm
Mounting Dimension	90mm
Multi-mounting Pitch	24mm
Weight	Approx. 110g

**ADDITIONAL**

Adaptor for DIN rail mounting (Specify at ① when ordering)	■ With an adaptor for DIN rail mounting /D
	■ Without an adaptor for DIN rail mounting ..... Blank



**TERMINAL ASSIGNMENT**



**BLOCK DIAGRAM**

