



Standard Specification Sheet Model: PS90-AW
Plug-in High Performance Arrester for Power Input
(100V AC, up to 20A)

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-AW is designed to protect 100V AC power input port.

ORDERING INFORMATION

| Ordering Code | Standard Price |
|---------------|----------------|
| PS90-AW | OPEN |

SPECIFICATIONS

INPUT AND OUTPUT SECTION

| | |
|---------------|---------|
| Input Signal | 100V AC |
| Output Signal | 100V AC |

PERFORMANCE

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|------------------------------------|--|
| Allowable Current | Between ground: 1mA or less (at 400V DC) |
| Leakage | ※ 10mA current flows to light power lamp (flow direction L2→L1) |
| Instrument Side Voltage Limit | Between lines: 500V or less (at 10kV, 1.2/50 μs) Between ground: 1000V or less (at 10kV, 1.2/50 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 | 20A |
| Temperature | -10~60°C |
| Humidity | 5~90%RH (no condensation) |

PHYSICAL

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|-----------------|--|
| 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 |

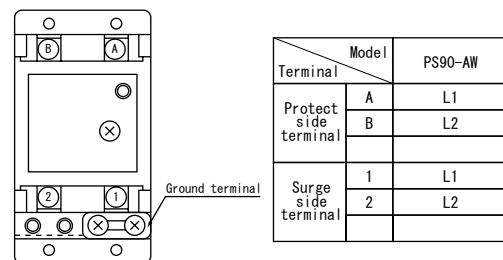
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|----------------------|---|
| Connection Method | M4 screw terminal connection (fastening torque 1.2 N·m or less) |
| External Dimension | W47.5×H100×D55mm |
| Mounting Dimension | 90mm |
| Multi-mounting Pitch | 48mm |
| Weight | Approx. 220g |

ADDITIONAL

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|--|--|
| 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

