mtt

Standard Specification Sheet   Model：MS92   *ARRESTANT*
Plug-in High Performance Arrester for RTD/Potentiometer

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.

MS92 is designed to protect RTD and potentiometer signal lines.

ORDERING INFORMATION

Ordering Code	Standard Price
MS92	OPEN

SPECIFICATIONS

INPUT AND OUTPUT SECTION

Input Signal	RTD/Potentiometer
Output Signal	RTD/Potentiometer

PERFORMANCE

Allowable Current Leakage	Between lines：　2μA or less　(at 8V DC) Between ground：　2μA or less (at 40V DC)
Instrument Side Voltage Limit	Between lines：　30V or less (at 10kV, 1.2/50μs) Between ground：　250V or less (at 10kV, 1.2/50μs)
Surge Discharge Withstand Capacity	Between lines：　350A　(at 8/20μs) Between ground：　5000A　(at 8/20μs)
Discharge Starting Voltage	Between lines：　20V or more Between ground：　74V or more
Temperature	－10～60℃
Humidity	5～90%RH　(no condensation)

PHYSICAL

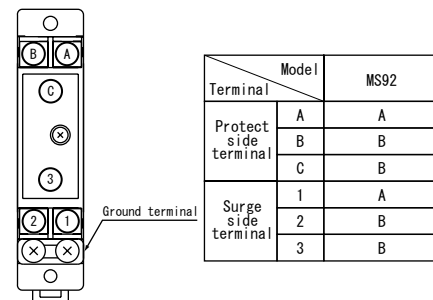|	
Construction	2 sections construction of main body and terminal base: 　plug-in + screw fastening
Material	Black, flame resistance ABS resin (Case body) Black, flame resistance ABS resin (Terminal base)
Grounding	JIS class 3 grounding [100Ω or less] (with grounding bar)
Mounting Method	Wall mounting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

Terminal	Model	MS92
Protect side terminal	A	A
	B	B
	C	B
Surge side terminal	1	A
	2	B
	3	B

BLOCK DIAGRAM