

SIGNAL ARRESTER (10KA)

SHN-ARR30-R Series



SHN-ARR30/70R is Designed for DC signal line including 2-wire transmitters. It absorbs the lightning surges that are transmitted in the DC signal wiring to insure the line potential will remain at a low voltage to prevent damage to electronic components. The unit is designed not to fall in the shortcircuit condition, thus protecting the equipment from any damage caused by short circuits.

- 2 stage protect construction
- Applied technique : Basis on ANSI / IEEE Category "A" / "C", IEC Category C1, C2, C3, D1
- Surge Suppression Voltage : under 30V(p-p)

FEATURE

- APPLICATIONS : PROTECTION OF MEASUREING ENVIRONMENT MEASREING INSTRUMENTS FROM SURGE OR LIGHTNING INDUCED BY SIGNAL LINE.
- ADOPT ALL MATERIALS THAT ACQUIRED INTERNATIONAL SAFETY STANDARDS REGULATION LIKE UL, CE, CSA CERTIFICATE
- PROTECTION FUNCTION : Thermal & Short Circuit Fuse, 2-Stage Surge Protect Noise Filtering (EMI/RFI)
- APPLIED TECHNIQUE : BASE ON ANSI/IEEE Category "A"/"C"
- FOR USE : 4~20mA/(DC24V) SIGNAL LINE
- MOUNTING : Rail Mounting type(Plug in type)
- MAIN PROTECT MATERIALS : MOV(Metal-oxide varistor)
- TEST : IEC 61643, E VDE 0845 PART 3-1.

GENERAL SPECIFICATIONS

Model	SHN-ARR30-1R	SHN-ARR30-2R	SHN-ARR30-3R	SHN-ARR70-1R
	SIGNAL(DC24V/4~20mA)			
Nominal voltage	24V/DC			
Rated voltage	26VDC	28VDC	30VDC	68~70VDC
Nominal Discharge current(Mode:8*20μsec)	10KA			
Max Discharge current(Line:8*20μsec)	20KA			
Response time	1nsec or less			
Clamping Voltage Rating	43V(p-p)			
Insulation Resistance	1000MΩ			
Capacitance	1700pF(1MHz)			
Nominal load current / Rated current	100mA / 2A (60℃)			
Voltage protector level Up	≤55V			
Max, Operating current(Leakage current)	25μA	100μA	100μA	25μA
Temperature range	-40℃ to + 80℃(±5℃)			
Ip code	IP20/NEMA12			
Dimension(mm)	W23.5xH90xD62(mm)			
Case material	ABS			
Weight	150g			
Mounting	Din Rail Type(Plug in type)			