

POWER ARRESTER(10KA)

SHN-PRR125-1/250-1



Power Arrester SHN-PRR125-1/250-1 is designed for AC power supplies lines. This unit is especially beneficial for protecting a instrument from counter electromotive force by inductors and of course normal lightning surge entering through power supply lines.

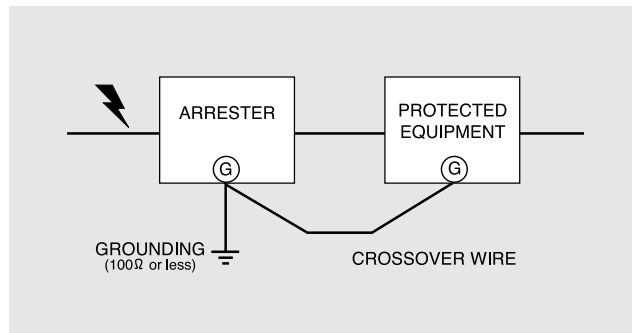
- 2 Stage Surge Protection Function
 - Applied technique : Basis on
 - Thermal & Short Circuit Fuse Contain
 - Surge Suppressed Voltage under 500 Vpk (700Vpk)
- (ANSI/IEEE C62.41 CAT C3(1.2x50μs 20kv & 8x20μs AT 10KA)

GENERAL SPECIFICATIONS

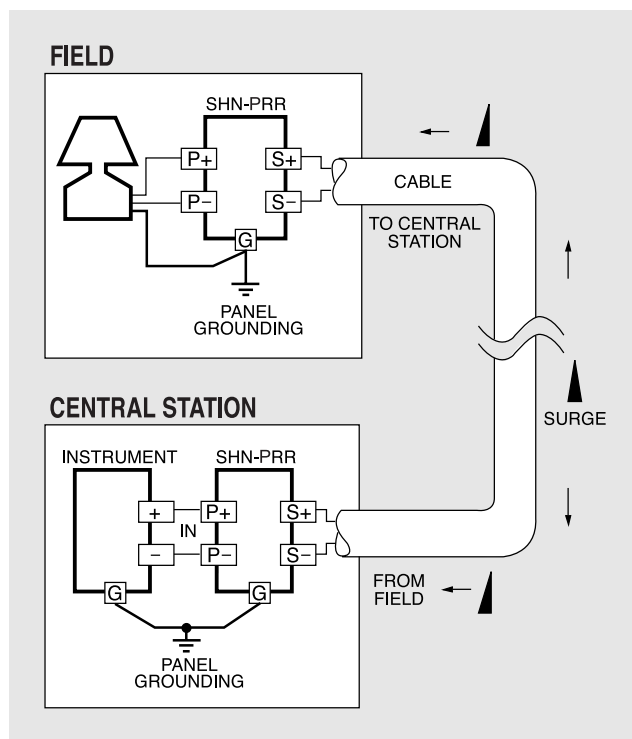
MODEL	SHN-PRR 125 -1	SHN-PRR 250-1
Input	AC & DC Power	
Discharge	btwn lines 300V or more(peak)	500V or more(peak)
Voltage	btwn lines & GND 500V or more(peak)	700V or more(peak)
Max.Surge	btwn lines 345V or less	600V or less
Voltage	btwn lines 600 or less	840V or less
Response Time	2 nsec or less	
Discharge Current	10KA/Mode, 20KA/phase (8x20)μsec	
Max. Load Curren	5A	
Internal Series Resistance	Approx. 0.4Ω (including return)	
Leakage btwn lines	0.1mA or less(at 150V DC)	0.1mA or less(at 300V DC)
Current btwn lines & GND	0.1mA or less(at 300V DC)	
Max. Line DC Voltage	170V DC	350V DC
Max. Line AC Voltage	120V AC	250V AC
Operating Temperature	-5°C~+60°C	
Operating Humidity	90% RH Max	
Dimensions	W23.5xH102xD62(mm)	
Weight	140g	
Mounting	Wall Mounting Type	

GROUNDING

A crossover wire between ARRESTER ground and ground or metallic housing of equipment is required for protection.



CONNECTION DIAGRAM



BLOCK DIAGRAM

