

POWER ARRESTER(10KA)

SHN-PRR125-1R/250-1R



Power Arrester SHN-PRR125-1R/250-1R 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

FEATURE

- APPLICATIONS : AC POWER SUPPLY LINE
- PROTECTION OF MEASUREING ENVIRONMENT MEASRUNG INSTRUMENTS FROM SURGE OR LIGHTNING INDUCED BY AC POWER SUPPLY LINE.
- 2 STEP SURGE PROTECTION FUNCTION
- APPLIED TECHNIQUE: BASE ON ANSI/IEEE CATEGORY "A" / "C"
- ADOPT ALL MATERIALS THAT ACQUIRED INTERNATIONAL SAFETY STANDARDS REGULATION LIKE UL, CE, CSA CERTIFICATE.
- EASY TO MAINTAIN BY PLUG-IN TYPE
- FOR USE AC110/220V POWER SUPPLY LINE
- EASY TO MOUNTING BY DIN-RAIL MOUNTING BRAKET
- COMPACT SIZE
- CONTAINS THERMAL & SHORT CIRCUIT FUSE
- CONTAINS THE THERMAL FUSE TO PROTECT OVERHEAT AND SURGE.
- SURGE SUPPRESSION VOLTAGE : APPLIED ANSI/IEEE C62.41 CAT (220V: 1.2 X50 u sec 20 KV & 8 X20 u sec AT 10KA,1.3KVpk)
(110V: 1.2 X50 u sec 10 KV & 8 X20 u sec AT 10KA,700Vpk)
- CONTAIN NOISE FILTER CURCUITS

GENERAL SPECIFICATIONS

| Model | | SHN-PRR125-1R | SHN-PRR250-1R |
|-----------------------------|-------------|---------------------------------------|---------------------------------------|
| Input(AC Power) | | AC 110V, 50/60Hz | AC 220V, 50/60Hz |
| Rated voltage | | 150V/AC | 275V/AC |
| Dischage voltage | Line/Line | 300V or more(peak) | 500V or more(peak) |
| | Line/Ground | 500V or more(peak) | 700V or more(peak) |
| Response time | | 25nsec or less | 25nsec or less |
| Discharge current(8×20μsec) | | 10kA/Mode 20kA/phase | 10kA/Mode 20kA/phase |
| Max road Current | | 5A(10A/15A : option) | 5A(10A/15A : option) |
| Protected Voltage(±10%) | | 750V or less | 1,35KV or less |
| Internal Series Resistance | | Aprrox0.4Ω (including return) | APRrox0.4Ω (including return) |
| Leakage Current | | 0,1mA or less | 0,1mA or less |
| Operating Temp | | -40~80°C / 90%RU | -40~80°C / 90%RU |
| Dimensions | | W23,5 × H90 × D62(mm) | W23,5 × H90 × D62(mm) |
| Case | | NEMA / IP20 | NEMA / IP20 |
| Mounting | | DIN / KS Rail Mounting, Wall Mounting | DIN / KS Rail Mounting, Wall Mounting |
| Grounding | | Isolated | Isolated |

CONNECTION DIAGRAM

