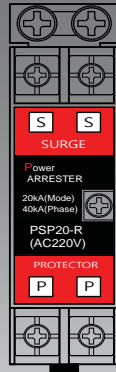


# POWER ARRESTER (20KA)

PSP20-R



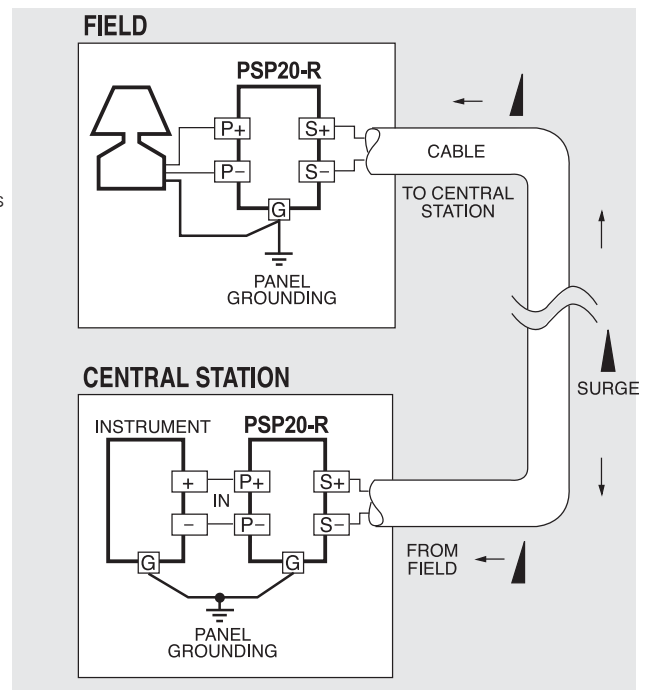
**20KA / 40KA**  
**AC Line (단상용)**

Power Arrester PSP20-R 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 Measuring Environment Measuring Instruments from Surge or Lighting Induced by AC Power Supply Line.
- 2-Step Surge Protection Function
- Applied Technique : Base on ANSI/IEEE Category
- 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 Bracket.
- Compact Size
- Contains Thermal & Short Circuit Fuse
- Contains the Thermal Fuse to Protect Overheat and Sugre.
- Surge Suppression Voltage : Applied ANSI / IEEE C62.41 Cat (AC220V :  $1.2 \times 50\mu s$  20kV &  $8 \times 20\mu s$  AT 10kA, 1.3Vpk) (AC110V :  $1.2 \times 50\mu s$  10kV &  $8 \times 20\mu s$  AT 10kA, 700Vpk)
- Contain Noise Fitter Circuit.

## CONNECTION DIAGRAM



## GENERAL SPECIFICATIONS

Model		PSP20-R	
Input(AC Power)		AC110V, 50/60Hz	AC220V, 50/60Hz
Rated voltage		150V /AC	275V /AC
Dischage voltage	Line / Line	300V or more(peak)	300V or more(peak)
	Line / Ground	500V or more(peak)	500V or more(peak)
Response time		25nsec or less	25nsec or less
Dischare current( $8 \times 20\mu s$ )		20kA / Mode, 40kA / Phase	20kA / Mode, 40kA / Phase
Max road Current		5A (10A/15A : Option)	5A (10A/15A : Option)
Protected Voltage( $\pm 10\%$ )		750V or less	1.35kV or less
Internal Series Resistance		Aprox 0.4 $\Omega$ (including return)	Aprox 0.4 $\Omega$ (including return)
Leakage Current		0.1mA or less	0.1mA or less
Operating Temp		-40~ 80 $^{\circ}C$	-40~ 80 $^{\circ}C$
Dimensions		W23.5 $\times$ H90 $\times$ D62(mm)	W23.5 $\times$ H90 $\times$ D62(mm)
Case		NEMA / IP20	NEMA / IP20
Mounting		DIN Rail	DIN Rail
Grounding		Isolated	Isolated