



Traffic Signaling Products

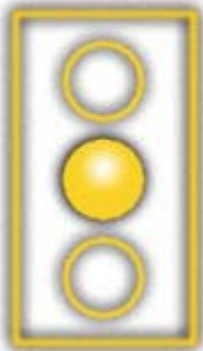
SPA-60B Series 120VAC Interconnect Signal

The **SPA-60B** is an economical method of protecting circuitry associated with 120VAC interconnect signal lines commonly used in traffic control systems. In the presence of normal interconnect line voltage and frequency (60Hz), the **SPA-60B** possesses the ideal characteristics of high impedance across the protector and no impedance in series with the line. In the presence of transients, the protector appears as very low impedance, thereby shunting the surge to ground.

The product is offered in four variations. The **SPA-60BL** protects one circuit and is furnished with two leads. The **SPA-60BL-2** is identical except it protects two circuits and is furnished with three leads.

The **SPA-60BS** protects one circuit and consists of one lead and a stud (also used for mounting). The **SPA-60BS-2** is identical except it protects two circuits and consists of two leads and a stud. Refer to ORDERING INFORMATION below

Keeping
You
Connected!



NEED HELP? Call 1-800-648-4076

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FAX (352) 867-1237

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SPECIFICATIONS

Peak Surge Trip Point:	
600 Volts/Microsecond Impulse	< 890 volts nominal
3000 Volts/Microsecond Impulse	< 950 volts nominal
Surge Response Time	< 200 nanoseconds at 10kV/μs
Surge Handling Ability:	
Peak Current (single pulse, 8x20μs)	20,000 amps per circuit
Occurrences @ 10kA	25 times minimum
Discharge Voltage	< 200 volts @ 1000 amps
Insulation Resistance	>100 megohms
Operating Line Voltage	120VAC, RMS single phase
Absolute Maximum Operating Line Current	1 ampere
Temperature Range	-40°C to +85°C
Size:	
BL Types	1.50 in. x .5 in. x .8in.
BS Types	1.05" square
Weight	2 oz.
Mounting Studs	No. 10:32 x 3/8 in. S.S.
Leads	12 in., #14 AWG

NOTE: This product is intended for use on 120VAC interconnect lines. Do not use on AC service or power lines.

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SPA-60B Series 120VAC Interconnect Signal

FEATURES

- Reduces Costly Damage to Equipment
- Clamps Over Voltage Surges caused by Lightning or Switching Transients
- Responds in Nanoseconds
- Automatic Recovery
- Very Economical
- Ideal for 120VAC Interconnect
- Handles Repeated Surges

INSTALLATION

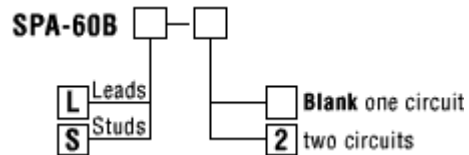
Stud Mounting Unit:

Connect black lead to interconnect signal line near entry point into cabinet. Shorten lead as much as possible. Bolt unit to clean metal surface bonded to power/earth ground (cabinet in most cases).

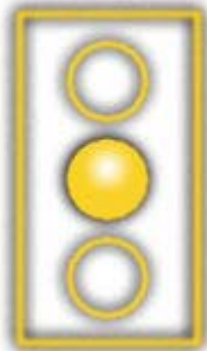
Lead Supported Unit:

Shorten leads. Connect between the interconnect signal line and power/earth ground.

ORDERING INFORMATION



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