

SURGE PROTECTOR SURGITRON

MODEL NUMBER SCHEME

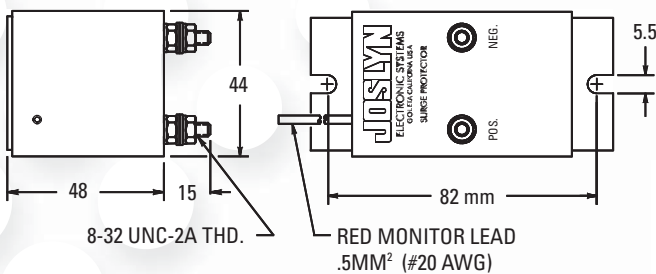
Available Configurations

Model Number	Voltage
1035-31	24 Vdc
1045-30	48 Vdc

SPECIFICATIONS

	1035-31	1045-30
Nominal System Voltage	24 Vdc	48 Vdc
Maximum Continuous Operating Voltage	<30 Vdc <25 Vac	<60 Vdc <45 Vac
Varistor Voltage at 1 mA dc	40 V	82 V
Maximum Load on Monitor Wire	50 mA	50 mA
Leakage Current at nominal dc voltage	<5 µA	<5 µA
Suppression Voltage, L-G using ANSI/IEEE C62.41 Waveshapes		
200 A, 100 kHz	105 V	135 V
500 A, 100 kHz	110 V	150 V
500 A, 8/20 µs	90 V	140 V
3 kA, 8/20 µs	130 V	200 V
5 kA, 8/20 µs	155 V	225 V
10 kA, 8/20 µs	200 V	275 V
Surge Energy Capability, 10/1000 µs, total	225 J	450 J
Max Surge Current, Single Pulse L-G, 8/20 µs	25 kA	50 kA
Surge Life, L-G	3 kA, 8/20 µs	800 times
	10 kA, 8/20 µs	50 times
Operating Temperature	-40° to +80° C	
Operating Altitude	7000 m	
Warranty	3 years	
CE Compliant with Directive 73/23/EEC		
Construction	Plastic housing, aluminum mounting flange (not part of protector ground), epoxy sealed	

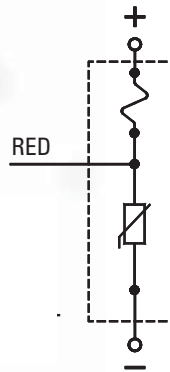
DIMENSIONS



SYSTEM FEATURES AND BENEFITS

- SPD Category and Type – Single mode protector for use in OEM protector cabinets.
- Technology – Metal Oxide Varistors with individual fusing.
- Application – In normal use, these models are applied on grounded power systems (positive or negative), to be installed close to the service conductor ground bond. When connected across a pair of ungrounded conductors, they will provide differential protection but will be ineffective against common mode lighting surges. Modules can be used on dc or ac power systems (up to 400 Hz).
- Features – Includes 'Monitor Lead' for local or remote functional status annunciation (LED or relay). The wire provides POS and NEG line voltages when the protector is functional.

PROTECTOR DIAGRAM



CONNECTIONS

