

AC SURGE PROTECTOR SURGITRON I

MODEL NUMBER SCHEME

Available Configurations

Model Number	Voltage	Configuration
1261-45	230V	1-Phase, 2 Wire + Ground
1261-85		50-60 Hz

SPECIFICATIONS

Maximum Surge Current

Single Pulse, 8/20 μ s, per phase	120 kA
per mode	60 kA

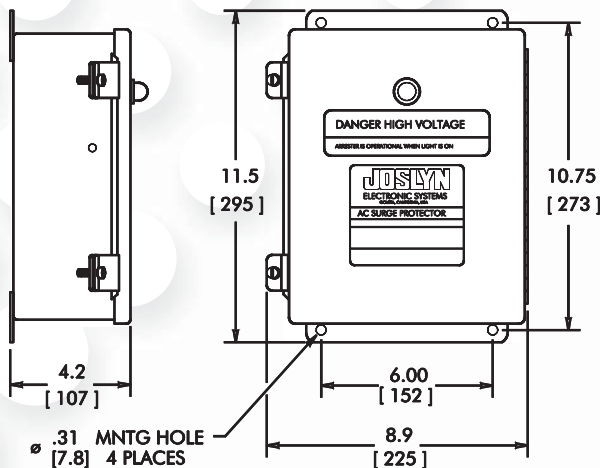
Suppression Voltage, L-(N+G) using ANSI/IEEE C62.41Waveshapes

	L-N	L-G, N-G
200 A, 100 kHz (6 kV)	750 V	945 V
500 A, 100 kHz (6 kV)	770 V	990 V
500 A, 8/20 μ s (6 kV)	720 V	910 V
3 kA, 8/20 μ s (6 kV)	810 V	1050 V
10 kA, 8/20 μ s (20 kV)	1080 V	1305 V
20 kA, 8/20 μ s (20 kV)	1560 V	1795 V

UL 1449 Suppression Voltage	800 V	1000 V
Surge Energy Capability, 10/1000 μ s total	8400 joules	
Surge Life, L-(N+G), 230 Vac applied,		
3 kA, 8/20 μ s	200,000 times	
10 kA, 8/20 μ s	6,000 times	
20 kA, 8/20 μ s	500 times	

Relay Contacts (1261-85), Form C (DPDT)	
minimum 1 mA, 5 Vdc; maximum 5 A, 240 Vac or 28 Vdc	
Component Response Time	<1 ns
Operating Temperature	-40° to +85° C
Max Operating Altitude	5000 m
Cabinet, painted steel	NEMA 12, IP 65
Shipping Weight	7 kg
Warranty:	5 years
Approvals:	UL1449 2nd Edition 2005 Revision (effective 2/9/2007)

DIMENSIONS



DIMENSIONS IN INCHES [MM]

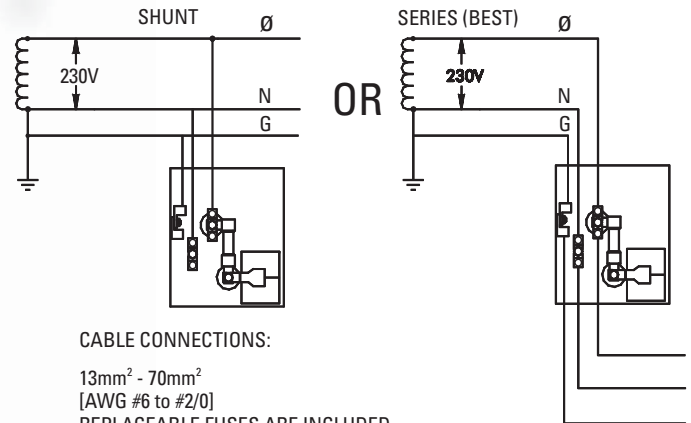
SYSTEM FEATURES AND BENEFITS

- SPD Category and Type – Service entrance or distribution panel, permanently connected. Suitable for use on types TN-C, TNS, TN-C-S, and TT neutral grounding schemes.
- Technology – Matrix of individually fused metal oxide varistors housed in replaceable modules.
- Features – Cover light indicates status of modules. Model 1261-85 has relay contacts for remote monitoring.
- Options – Surge event Counter: add -S to model number.

CHARACTERISTICS

Connection Means	In parallel directly across mains or through 60 A (min) switch or breaker. The terminals are double lugged to permit series connection of service conductors (improves protection for load).	
Cable Size for Connections, contractor supplied	13 - 70 mm ² (AWG 6 - 2/0)	
Upstream Overcurrent Device	None required	
Internal Overcurrent Protection	100 kAIC	
Maximum Continuous Operating Voltage, L-N, 50 or 60 Hz	275 Vac	
Leakage, L-G at 230 Vac	<750 μ A	
Protection Modes	L-N,	L-G, N-G
Varistor MCOV	300 Vac	420 Vac
Nominal Varistor Voltage at 1 mA _{dc}	470 V	660 V

CONNECTIONS



CABLE CONNECTIONS:

13mm² - 70mm²
[AWG #6 to #2/0]
REPLACEABLE FUSES ARE INCLUDED.