

AC SURGE PROTECTOR SURGITRON® I MODEL 1456-85-L

480Y/277V, 3 ϕ , 4 Wire + Ground

JOSLYN TECHNICAL DATA

- SPD Category and Type Service entrance or distribution panel, permanently connected.
- Technology Matrix of individually fused metal oxide varistors housed in replaceable modules.
- Features Cover LEDs indicate status of modules, form C relay contacts for remote monitoring.
- Options
 - Stainless steel NEMA 4X cabinet: add **-4X** to model number.
 - Surge Event Counter: add **-S** to model number.
 - Remote Monitor and Audible Alarm: separately order P/N 1260-97.
- Connection Means In parallel (shunt), directly across mains or through 60 A (min) switch or breaker.
- Cable Size for Connections, contractor supplied AWG 4 - 2/0
- Upstream Overcurrent Device None required
- Maximum Continuous Operating Voltage, L-N, 50 or 60 Hz 293 Vac
- Protection Modes L-N, L-G, N-G
- Varistor MCOV 300 Vac
- Nominal Varistor Voltage at 1 mAdc 470 V
- Leakage, L-G at 277 Vac <3000 μ A
- Maximum Surge Current, Single Pulse, 8/20 μ s, per phase
 - 240 kA
 - per mode 100 kA
- Suppression Voltage, L-(N+G)

200 A, 100 kHz (6 kV)	750 V	
using ANSI/IEEE C62.41 Waveshapes	500 A, 100 kHz (6 kV)	780 V
	500 A, 8/20 μ s (6 kV)	710 V
	3 kA, 8/20 μ s (6 kV)	750 V
	10 kA, 8/20 μ s (20 kV)	820 V
	20 kA, 8/20 μ s (20 kV)	1270 V
- UL 1449 Suppression Voltage 700 V
- Surge Energy Capability, 10/1000 μ s, total 36,400 joules
- Surge Life, L-(N+G), 277 Vac applied

3 kA, 8/20 μ s	1,750,000 times
10 kA, 8/20 μ s	45,000 times
20 kA, 8/20 μ s	6,000 times
- Relay Contacts, dual form C (DPDT) minimum load 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 meters
- Shipping Weight 15 kg
- Warranty 5 years
- Safety, Approvals: UL and cUL Listed per UL1449 and Canadian codes, File E74944

