


AC SURGE PROTECTOR SURGITRON® I

MODEL 1450-85

220-240V 3 ϕ , 3 Wire
UNGROUND DELTA

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 Surge Event Counter: add **-S** to model number; for stainless steel NEMA 4X cabinet: add **-4X**.
- 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-L, 50 or 60 Hz 275 Vac
- Leakage, L-G at 240 Vac <1500 μ A
- Maximum Surge Current, Single Pulse, 8/20 μ s, per mode 120 kA
- Protection Modes L-L L-G
- Varistor MCOV 300 Vac 420 Vac
- Nominal Varistor Voltage at 1 mA_{dc} 470 V 660 V
- Suppression Voltage 200 A, 100 kHz (6 kV) 750 V 935 V
- using ANSI/IEEE C62.41 Waveshapes 500 A, 100 kHz (6 kV) 780 V 970 V
- 500 A, 8/20 μ s (6 kV) 725 V 905 V
- 3 kA, 8/20 μ s (6 kV) 750 V 1090 V
- 10 kA, 8/20 μ s (20 kV) 820 V 1245 V
- 20 kA, 8/20 μ s (20 kV) 1270 V 1680 V
- 800 V 1000 V
- UL 1449 Suppression Voltage 24,860 joules
- Surge Energy Capability, 10/1000 μ s, total 200,000 times
- Surge Life, L-G 3 kA, 8/20 μ s 6,000 times
- 10 kA, 8/20 μ s 500 times
- 20 kA, 8/20 μ s
- 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 Listed per UL1449 and Canadian codes, File E74944
 **RUS** USDA-RUS Accepted, Section gi, 5.5.2

