

AC SURGE PROTECTOR SURGITRON® I

MODELS 1265-45, 1265-85

120/240V, 1 ϕ , 3 Wire + Ground

- 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. Model 1265-85 has 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
- Internal Overcurrent Protection 200 kAIC
- Maximum Continuous Operating Voltage, L-N, 50 or 60 Hz 138 Vac
- Protection Modes L-N, L-G, N-G
- Varistor MCOV 150 Vac
- Nominal Varistor Voltage at 1 mAdc 240 V
- Leakage, L-G at 120 Vac <1000 μ A
- Maximum Surge Current, Single Pulse, 8/20 μ s, per phase
per mode 120 kA
60 kA
- Suppression Voltage, L-(N+G) 200 A, 100 kHz (6 kV) 470 V
using ANSI/IEEE C62.41 Waveshapes 500 A, 100 kHz (6 kV) 500 V
500 A, 8/20 μ s (6 kV) 380 V
3 kA, 8/20 μ s (6 kV) 480 V
10 kA, 8/20 μ s (20 kV) 680 V
20 kA, 8/20 μ s (20 kV) 1100 V
- UL 1449 Suppression Voltage, L-N, L-G, N-G 400 V
- Surge Energy Capability, 10/1000 μ s, total 5940 joules
- Surge Life, L-(N+G), 120 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 (1265-85), dual 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 meters
- Shipping Weight 10 kg
- Warranty 5 years
- Safety Approvals: UL and cUL Listed per UL1449 and Canadian codes, File No. E74944
RUS USDA-RUS Accepted, Section gj, 5.5.2

