

AC SURGE PROTECTOR SURGITRON® III

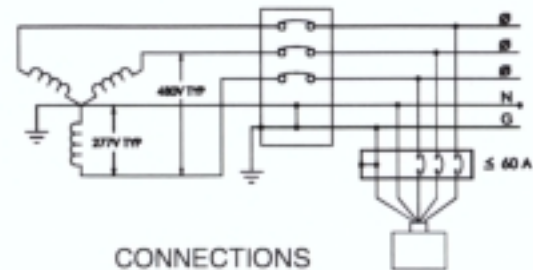
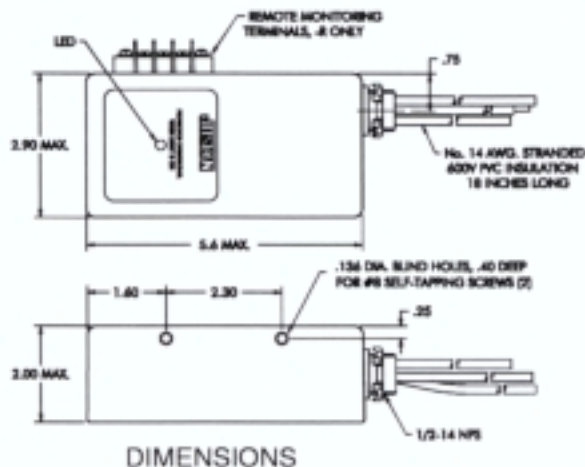
MODELS 1456-49, 1456-49-R

480Y/277 Vac, 50-60 Hz, 3φ, 4 Wire



TECHNICAL DATA

- SPD Category and Type Service entrance or distribution panel, permanently connected.
- Technology Multiple Metal Oxide Varistors.
- Features Individual fusing and thermal disconnects for each MOV. LED provides visual summary status of L-N MOV elements. Model 1456-49-R includes form C (SPDT) relay contacts for remote monitoring.
- Connection Means In parallel with load, #14 wires
- Maximum Continuous Operating Voltage, L-N 293 Vac
- Upstream Overcurrent Device ≤60 Amp
- Protection Modes L-N, N-G
- Varistor MCOV 320 Vac
- Varistor Voltage at 1 mAdc 495 V
- Leakage, L-G at 277 Vac <300 μA
- Maximum Surge Current, Single Pulse, 8/20 μs 40 kA
- Suppression Voltage, L-N, N-G 200 A, 100 kHz (6 kV) 765 V
- using ANSI/IEEE C62.41 Waveshapes 500 A, 100 kHz (6 kV) 840 V
 - 500 A, 8/20 μs (6 kV) 730 V
 - 3 kA, 8/20 μs (6 kV) 900 V
 - 5 kA, 8/20 μs (10 kV) 955 V
 - 10 kA, 8/20 μs (20 kV) 1175 V
- UL Suppression Voltage, L-N, N-G 800 V
- Surge Energy Capability, total 4160 joules
- Surge Life, 277 Vac applied 3kA, 8/20 μs 3000 times
- 10 kA, 8/20 μs 100 times
- Relay Contact Rating Minimum 50 mVA (>1 mA or >5 Vdc). Maximum 5 A, 250 Vac & 28 Vdc
- Component Response Time <1 ns
- Operating Temperature 40 to +80 C
- Max Operating Altitude 5000 m
- Mass 1 kg
- Warranty 3 years
- Complies with 25 amp 'Loss of Neutral' test of C62.34
- Safety Approvals: UL Listed per UL1449, XUHT, File No. E74944
- cUL Certified per Canadian codes, XUHT7, File No. E74944
 - CE Compliant with Directive 73/23/EEC



TDS145649(A)