

AC Surge Protector – Joslyn Data Sheet

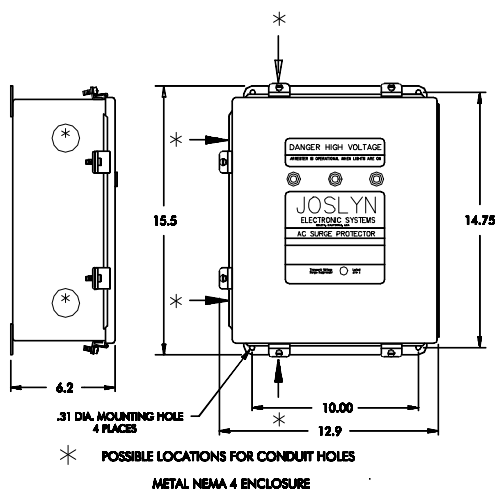
Surgitron® I

Model 1455-80

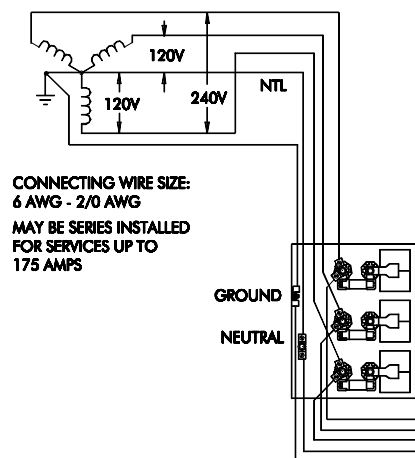
UL LISTED PER UL 1449

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|---|---|
| • SPD Category and Type | Service entrance or distribution panel, permanently connected |
| • Technology | Multiple Metal Oxide Varistors with individual fusing |
| • Notable feature | Relays for remote monitoring |
| • Nominal Line Voltage | 208Y/120 V AC, 50-60 Hz, 3 ϕ , 4 Wire |
| • Maximum Continuous Operating Voltage, L-N | 150 V AC |
| • Protection Modes | L-N, L-G, N-G |
| • Maximum Surge Current, (Single Pulse) 8/20 μ s, per phase | 100 kA |
| | each mode (L-N, L-G, N-G) 50 kA |
| • Varistor Voltage at 1 mA dc, L-N, L-G, N-G | 210-260 V |
| • Suppression Voltages*, L-N, L-G, N-G using ANSI/IEEE C62.41-1991 and C62.11-1987 Waveshapes | |
| <u>Location Category A</u> | |
| 200 A, 100 kHz Ring Wave | 470 V |
| <u>Location Category B</u> | |
| 500 A, 100 kHz Ring Wave | 500 V |
| 3 kA, 8/20 μ s Combination Wave | 480 V |
| <u>Location Category C</u> | |
| 10 kA, 8/20 μ s | 680 V |
| 20 kA, 8/20 μ s | 1100 V |
| • UL 1449 Suppression Voltage | L-N 500 V, L-G 400 V, N-G 500 V |
| • Surge Energy Capability, 8/20 μ s, total rating of all MOVs | 6240 Joules |
| • Surge Life, per phase, 120 V ac applied, 3 kA, 8/20 μ s | >20,000 Operations |
| | 10 kA, 8/20 μ s >2,000 Operations |
| • Component Response Time | <1 nanosecond |
| • Operating Temperature | -40 to +65°C |
| • Warranty | 5 years |

DIMENSIONS



INSTALLATION



*measured at protector terminals