

AC Surge Protector – Joslyn Data Sheet

SURGITRON[®] I

MODEL 1456-80

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 | 480/277 Vac, 50-60 Hz, 3ϕ, 4 Wire |
| • Maximum Continuous Operating Voltage, L-N | 300 Vac |
| • 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 mAdc, L-N, L-G, N-G | 470 V |
| • Suppression Voltages, L-N, L-G, N-G using ANSI/IEEE C62.41 and C62.11 Waveshapes | |
| <u>Location Category A</u> | |
| 200 A, 100 kHz Ring Wave | 720 V |
| <u>Location Category B</u> | |
| 500 A, 100 kHz Ring Wave | 760 V |
| 3 kA, 8/20 μ s Combination Wave | 780 V |
| <u>Location Category C</u> | |
| 10 kA, 8/20 μ s | 920 V |
| 20 kA, 8/20 μ s | 1420 V |
| • UL 1449 Suppression Voltage | 800 V |
| • Surge Energy Capability, 8/20 μ s, total rating of all MOVs | 13,440 Joules |
| • Surge Life, per phase, 277 Vac 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 Year |

