

Surgitron PM

Intelligent
Power
Monitoring



APPLICATIONS

The Joslyn® Surtitron PM Surge Protectors for AC power circuits are designed for installation at high-exposure service entrance or distribution panels. These products protect the facility from damage due to external transient voltage and surges caused by lightning, induction, switching surges and, to some degree, NEMP.

The Surtitron PM Surge Protectors feature a built-in Intelligent Power Monitoring and thermally fused MOV technology to provide the level of surge protector performance today's critical facilities require. The Surtitron line is particularly effective in preventing damage to solid-state electronic equipment. Four voltage configurations are available, ranging from 120/240 Vac to 480Y/277 Vac.

FEATURES

- **Protection Monitor:** The Intelligent Power Monitor indicates protection degradation so modules can be replaced before failure occurs.
- **Power Quality Display:** The front-panel design clearly indicates percent protection available, instantaneous system voltage, sags, swells, transients, drop-outs and outages.
- **LED Status Indicators:** Verifies on-line protection.
- **Thermally Fused MOV Technology:** Ensures "event-free" end-of-life characteristics.
- **Remote Monitoring:** Form C Contacts for protector status; dial-up internal V.22 modem for access of the panel's power quality display; RS-232 DB9 serial port.
- **Plug-in protection modules** for tool-less changeout.

SPECIFICATIONS

Surge Current Capacity, 8x20 μ s

Per Phase	160 kA
Per Mode	80 kA
Surge Life	
3 kA	>160,000 operations
10 kA	> 7,000 operations
Service Life (severe surge environment)	> 50 years
Component Response Time	< 1ns
Alarms	Audible, Visual and Remote
All-mode Protection	L-N, L-G, N-G
Operating Temperature	-40C to +65C
Power Frequency	50Hz or 60Hz systems
Warranty	5 years

Voltage/Circuit Configuration	Model
120/240 Vac, Split Single-Phase, 3-Wire	1265-85-PM
208Y/120 Vac, 3-Phase Grounded Wye, 4-Wire	1455-85-PM
240/120 Vac, 3-Phase High-Leg Delta, 4-Wire	1452-85-PM
480Y/277 Vac, 3-Phase Grounded Wye, 4-Wire	1456-85-PM



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