



## Commercial/Industrial Surge Suppression **Panelmount Surge Protection Device 600/347V 120KA w/Disconnect**



High quality TVSS for datacenters, industrial facilities and commercial buildings.

**Includes:** Front panel sticker(s), User Manual

**Standard Lead Time:** Usually Ships within 3 Weeks

PML3D Features

|                                      |                                                                                                                                                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manual disconnect switch             | Enables the surge supressor to be de-energized for service without disconnecting the protected load.                                                                                                                                 |
| NEMA 1 enclosure                     | Meets the requirements of a NEMA 1 enclosure for indoor applications.                                                                                                                                                                |
| Replaceable surge protection modules | Allows you to use any combination of APC rack-mount surge protection modules and replace them quickly and conveniently if needed.                                                                                                    |
| Protection Working Indicator         | SurgeArrest will warn you if its circuitry has been damaged by heavy strike or power line surge and it is unable to provide 100% protection. If still under warranty, APC will then replace your damaged SurgeArrest free of charge. |
| Audible Alarms                       | Provides notification of changing utility power and UPS conditions.                                                                                                                                                                  |
| Lightning and Surge Protection       | To prevent damage to your equipment from power surges and spikes.                                                                                                                                                                    |
| Remote monitoring capability         |                                                                                                                                                                                                                                      |
| Low Z bussbars                       |                                                                                                                                                                                                                                      |
| Patented thermal overload protection |                                                                                                                                                                                                                                      |

Commercial/Industrial Surge Suppression Features & Benefits

|                               |                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protection                    |                                                                                                                                                                                                                                                                                                                                                        |
| Noise Filtering               | 120kA SurgeArrest models contain EMI/RFI filtering to reduce line noise that can cause data loss and keyboard errors. 40kA and 80kA units do not contain noise filtering components, so they can be used with powerline networking systems (X10, HomePlug, PLC, etc.).                                                                                 |
| Maximum surge current ratings | 40kA, 80kA and 120kA per phase maximum surge current ratings, for all your residential, commercial and individual equipment protection needs.                                                                                                                                                                                                          |
| Safety                        |                                                                                                                                                                                                                                                                                                                                                        |
| Catastrophic Event Protection | SurgeArrest Panelmount SPDs are equipped with fuses and thermal disconnects that react quickly to protect against dangerous high and low current wiring faults as well as other catastrophic surge events. These panelmount SPDs are passive, and continue to allow power through to your home or building if any of the surge components are damaged. |
| Convenience                   |                                                                                                                                                                                                                                                                                                                                                        |
| Status Indicator LED's        | LED status indicators for each phase and an audible alarm provide immediate failure notification when suppression circuitry has been damaged by a heavy strike or surge.                                                                                                                                                                               |
| Physical Size                 | For easy installation inside your circuit breaker panel (40kA model) or next to your power distribution panels. (80kA and 120 kA models)                                                                                                                                                                                                               |
| Chase nipple connection       | Allows for mounting of the PM2X units rigidly to the side of your panelboard.                                                                                                                                                                                                                                                                          |

## Input

|                       |                                |
|-----------------------|--------------------------------|
| Nominal Input Voltage | 600V 3PH                       |
| Input Frequency       | 50/60 Hz                       |
| Input Connections     | Hard Wire 5-wire (3PH + N + G) |

## Surge Protection and Filtering

|                                             |                 |
|---------------------------------------------|-----------------|
| Surge energy rating                         | 9000 Joules     |
| EMI/RFI Noise rejection (100 kHz to 10 mHz) | 50 dB           |
| Peak Current Normal Mode                    | 120 (/PH) kAmps |
| Peak Current Common Mode                    | 120 kAmps       |
| NM Surge Response Time (ns)                 | 1 ns            |

## Physical

|                 |                |
|-----------------|----------------|
| Net Weight      | 13.18 KG       |
| Maximum Height  | 406.00 mm      |
| Maximum Width   | 356.00 mm      |
| Maximum Depth   | 159.00 mm      |
| Shipping Weight | 14.55 KG       |
| Shipping Height | 533.00 mm      |
| Shipping Width  | 445.00 mm      |
| Shipping Depth  | 292.00 mm      |
| SCC Codes       | 10731304020148 |
| Color           | Grey           |

## Environmental

|                             |               |
|-----------------------------|---------------|
| Operating Environment       | -40 - 60 °C   |
| Operating Relative Humidity | 0%            |
| Operating Elevation         | 0-3000 meters |
| Storage Temperature         | -55 - 60 °C   |
| Storage Relative Humidity   | 0%            |

|                   |               |
|-------------------|---------------|
| Storage Elevation | 0-3000 meters |
|-------------------|---------------|

Conformance

|                      |                            |
|----------------------|----------------------------|
| Regulatory Approvals | UL 1283,UL 1449,cUL Listed |
| Standard Warranty    | 5 year repair or replace   |
| UL 1449 TVSS Rating  | 1000V                      |