

PRODUCT SHEET

Type SPD-M100 Surge Protection Device

UL 1449 4th Edition Listed &
ANSI/IEEE Category C3 High Exposure Level

General Product Description

The PQI Type SPD-M100 Surge Protection Device is specifically designed for critical protection applications and can be installed at the service entrance's main distribution panel, downstream distribution panels or directly at critical loads.

Features

The distinctive slim enclosure design of the Type SPD-M100 allows for installation between electrical panels where space is often limited. This allows for an optimized installation where connection lead lengths can be kept to a minimum.

Featuring Ultra 2X technology, this device has been specifically designed to exceed the safety requirements of the abnormal over-voltage testing of UL 1449 Edition 4. Many Surge Protection Devices permanently disconnect all protection from the circuit during an overvoltage event. Ultra 2X technology will allow the Surge Protection Device to experience an abnormal overvoltage up to twice its nominal operating voltage and still remain operational during and after this event. Ultra 2X technology allows the Surge Protection Device to provide reliable and continuous protection for sensitive electronic equipment.

Ultra 2X technology is recommended for sites where sustained over-voltages are known to occur and where failure of traditional Surge Protection Device technologies cannot be tolerated.

Voltage Configurations

Voltage	System Configuration	VPR			
		L-N	L-L	L-G	N-G
120/240	120/240, 1 Ø, 3W + Ground	600	1000	700	600
120/208	120/208, 3 Ø, 4W + Ground	600	1000	700	600
277/480	277/480, 3 Ø, 4W + Ground	1200	1800	1200	1200
120/240D	120/240D, 3 Ø, Hi-Leg Delta	1200	1800	1200	1200
240D	240 Delta 3W + Ground (no neutral)		1000	1000	
480D	480 Delta 3W + Ground (no neutral)		1800	1800	

Product Dimensions

Height: 9.45"
Width: 3.25"
Depth: 3"



Product Specification

Safety Listings:	UL 1449, 4th Edition
UL 1449 - Ed. 4 Location Rating:	Type 1 & Type 2
IEEE C62.41 Location Rating:	Category C3 - High & Category B3 - Medium
Nominal Discharge Current Rating:	20kA (In)
Maximum Surge Current Rating:	50kA per mode; 100kA per phase
Fault Current (SCCR):	200kAIC
Maximum Continuous Operating Voltage (MCOV):	Meets UL1449 Minimum Requirement of 115% of Nominal
Ultra 2X - TOV Protection:	"Ride-Through" 60Hz TOV Up to 2X Nominal Operating Voltage
Product Design:	Modular per mode/phase, thermal protected MOVs
Connection Method:	Parallel, supplied with 36" 10AWG leads
Recommended Breaker Size:	30Amp
Protective Components:	Thermal MOVs and phase level Fusing
Response Time:	< 1 Nanosecond
Frequency:	50/60Hz
Status Indicators:	Audible alarm, redundant Indication per phase & per mode, remote alarm contacts
Enclosure Type:	NEMA 4/12, pending UL Type 4
Installation Location:	Indoor or Outdoor
Enclosure Material:	Metal (powder coated aluminum)
Weight:	4.4 lbs.
Warranty:	20 Years

Product Options

Flush Mount Kit: FM
Side Mount Kit: SM
Switchboard Top Mount Kit: SBM
Replacement Module: MOD
Replacement Fuse: FUSE
Model Number Example: SPD-M100 120/240 FM

All Specifications are subject to change without notice.

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