

## AC Surge Protector SPD APEX IMAX Panel 120/208 Vac 3-Phase Wye SASD, MOV 160 kA, UL 1449 4th Ed. Type 2

**1101-809-1**  
**APEX IMAX 120W**



### Features

- UL1449 4th Ed.
- SASD/MOV Hybrid Protection
- Power and Suppression Status LEDs
- Dry Contact Remote Annunciation Wire Leads
- Replaceable Suppression Modules
- NEMA 4 Enclosure
- Visual and Remote Status Indication

### Applications

- Electrical Panelboards
- Industrial Automation
- Communications Base Stations
- IT & Data Centers
- Switchgear
- Motor Control Centers
- Automatic Transfer Switches
- Wastewater Treatment
- Oil & Gas
- LED Lighting
- Schools
- Hospitals

### Description

AC surge protector (also known as SPD or lightning protector) 1101-809-1 from Transtector is a UL1449 4th Ed. panel style SPD that utilizes state of the art SASD/MOV technology to protect critical equipment that operates on a 120/208 Vac 3-Phase Wye electrical service. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by safely shunting high amounts of transient energy while maintaining a very low clamping voltage. Transtector AC surge protectors are available in stock with same day shipping.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages		120/208		Vac
Service Type		3-Phase Wye		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV)				
L - L			276	Vac
L - N			138	Vac

### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD, MOV		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[AC Surge Protector SPD APEX IMAX Panel 120/208 Vac 3-Phase Wye SASD, MOV 160 kA, UL 1449 4th Ed. Type 2 1101-809-1](#)

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Protection Modes	L-L, L-N		
8/20 $\mu$ s Surge Current		160	kA
10/1000 $\mu$ s Surge Current		1.5	kA
Nominal Discharge Current Rating (In)	20		kA
VPR 8/20 $\mu$ s			
L - L		1,000	Vpk
L - N		700	Vpk
Response Time		5	ns
SCCR (Short Circuit Current Rating)	65		kAIC

### Mechanical Specifications

#### Size

Height	12.5 in	[317.5 mm]
Width	10.5 in	[266.7 mm]
Depth	6.5 in	[165.1 mm]
Weight	14 lbs	[6.35 kg]
Housing Material and Plating	Fiberglass	

### Environmental Specifications

Temperature Range (Operational)	-40 to +75 deg C
Temperature Range (Storage)	-40 to +75 deg C
Environmental Protection Rating	NEMA 4
Humidity	90% non-condensing

### Installation

Mount Type	Panel
Service Wiring Terminal	Terminals #4 to #1/0 AWG
Status Indication Terminal	3-Pin Connector #14 to #22 AWG

### Compliance Certifications

UL Compliant Certifications	Yes UL 1449 4th Ed. NOM
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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

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1101-809-1 CAD Drawing

