

AC Surge Protector SPD APEX IMAX Panel  
 120/240 Vac Split-Phase SASD, MOV 160 kA,  
 UL 1449 5th Ed. Type 2 Metal Enclosure

**1101-808-M-1**



### APEX IMAX 120T (METAL)

#### Features

- UL1449 5th Ed.
- SASD/MOV Hybrid or MOVUL1449 4th Ed.
- SASD/MOV Hybrid or MOV Only Protection
- Power and Suppression Status LEDs
- Dry Contact Remote Annunciation Wire Leads
- Replaceable Suppression Modules
- NEMA 4 Enclosure

#### 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) 1101-808-M-1 from Transtector is a UL1449 5th Ed. panel style SPD that utilizes state of the art SASD/MOV technology to protect critical equipment that operates on a 120/240 Vac split-phase 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 Type		Split-Phase		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV) L - L			276	Vac
Maximum Continuous Operating Voltage (MCOV) L - N			138	Vac

#### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD, MOV		
Protection Modes		L-N, L-L		
8/20μs Surge Current			160	kA
10/1000μs Surge Current			1.5	kA
Nominal Discharge Current Rating (In)		20		kA
VPR 8/20μs L - L			1,000	Vpk

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### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
VPR 8/20 $\mu$ s				
L - N			700	Vpk
Response Time			5	ns
SCCR (Short Circuit Current Rating)		65		kAIC

### Mechanical Specifications

#### Size

Height	13.5 in	[342.9 mm].
Width	11 in	[279.4 mm]
Depth	6.25 in	[158.75 mm]
Weight	24 lbs	[10.89 kg]

Housing Material and Plating

Steel, Grey Powder Coat

### Environmental Specifications

Temperature Range (Operational)	-40 to +80 deg C
Environmental Protection Rating	NEMA 4
Humidity	90% non-condensing

### Installation

Mount Type	Panel
Service Wiring Terminal	#4 to #1/0 AWG
Status Indication Terminal	#14 to #22 AWG

### Compliance Certifications

UL Compliant	Yes
Certifications	UL 1449 5th Ed.

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.

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 120/240 Vac Split-Phase SASD, MOV 160 kA, UL 1449 5th Ed. Type 2 Metal Enclosure 1101-808-M-1](https://www.transtector.com/ac-surge-protector-spd-apex-imax-panel-120-240-vac-split-phase-sasd-mov-160-ka-ul-1449-5th-ed-type-2-metal-enclosure-1101-808-m-1)

URL: <https://www.transtector.com/ac-surge-protector-spd-apex-imax-panel-1101-808-m-1-p.aspx>

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# 1101-808-M-1 CAD Drawing

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