

AC Surge Protector SPD APEX IMAX Module 120 Vac MOV 160 kA



IMAX-120S-MR APEX IMAX 120V MOV REPLACEMENT MODULE

Features

- Replacement Module for APEX IMAX Series

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) IMAX-120S-MR from Transtector is a module style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 120 Vac 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		Vac
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV)				
L - N			138	Vac

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-N		
8/20 μ s Surge Current			160	kA
10/1000 μ s Surge Current			1.5	kA
Nominal Discharge Current Rating (In)		20		kA

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 Module 120 Vac MOV 160 kA IMAX-120S-MR](#)

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IMAX-120S-MR
APEX IMAX 120V MOV REPLACEMENT MODULE

Response Time	25	ns
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Mechanical Specifications

Size

Height	0.75 in	[19.05 mm]
Width	4.55 in	[115.57 mm]
Depth	4.25 in	[107.95 mm]
Weight	0.3 lbs	[136.08 g]
Housing Material and Plating	Noryl 190X	

Environmental Specifications

Temperature Range (Operational)	-40 to +75 deg C
Humidity	90% non-condensing

Compliance Certifications

UL Compliant	Yes
Certifications	UL 1449 4th Edition

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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URL: <https://www.transtector.com/IMAX-120S-MR-p.aspx>

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.

IMAX-120S-MR CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
B	PCR IMAX-120S-SR IMAX-120S-MR 20220531	6/8/22
		APPROVED ESHOFNER

3.29 [84]

4.22 [107]

.75 [19]

4.55 [116]

2X MOUNTING TABS

ANNUNCIATION CONTACTS

RED LABEL

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table style="font-size: small;"> <tr> <td>.X ± .2</td> <td>[5.08]</td> <td>FRACTIONS</td> </tr> <tr> <td>.XX ± .02</td> <td>[.51]</td> <td>± 1/32</td> </tr> <tr> <td>.XXX ± .005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> </tr> </table> <p>CABLE LENGTH (L) TOLERANCES:</p> <table style="font-size: small;"> <tr> <td>L ≤ 12 [305]</td> <td>± .1 [25]</td> <td>/ -0</td> </tr> <tr> <td>12 [305] < L ≤ 60 [1524]</td> <td>± .2 [51]</td> <td>/ -0</td> </tr> <tr> <td>60 [1524] < L ≤ 120 [3048]</td> <td>± .4 [102]</td> <td>/ -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300 [7620]</td> <td>± .6 [152]</td> <td>/ -0</td> </tr> <tr> <td>300 [7620] < L</td> <td>± .5% L</td> <td>/ -0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	.X ± .2	[5.08]	FRACTIONS	.XX ± .02	[.51]	± 1/32	.XXX ± .005	[.13]	ANGLES ± 1°	L ≤ 12 [305]	± .1 [25]	/ -0	12 [305] < L ≤ 60 [1524]	± .2 [51]	/ -0	60 [1524] < L ≤ 120 [3048]	± .4 [102]	/ -0	120 [3048] < L ≤ 300 [7620]	± .6 [152]	/ -0	300 [7620] < L	± .5% L	/ -0	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR, INC. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>	<p>an INFINIT[®] brand</p> <p>10701 Airport Road, Hayden, ID 83835</p> <p>Phone: 1.208.635.6400 1.800.882.9110</p> <p>Fax: 1.208.955.2041</p> <p>Website: www.transtector.com</p> <p>E-mail: sales@transtector.com</p>
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