Larson Electronics LLC
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MT-SPD-R7-3P-YT-20KA-50.60HZ-300KA-Z-WLM-M2

20 kA Surge Protection Device, 208Y/120V 3-Phase 4-Wire, 50/60 Hz, 300 kA Surge Current per Phase, Without Enclosure, Wall Mounted

Product ID: 345603

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MT-SPD-R7-3P-YT-20KA-50.60HZ-300KA-Z-WLM-M2

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MT-SPD-R7-3P-YT-20KA-50.60HZ-300KA-Z-WLM-M2 — Surge Protection Device
Unit Type: Surge Protection Device with Counter

Made in the USA

Phase: Three-Phase, 4-Wire
Frequency: 50/60 Hz
Rated Voltage: 208Y/120V
Voltage Protection Rating: 700V (L-N), 700V (L-G), 700V (N-G), 1000V (L-L)
Nominal Current (In): 20 kA
Surge Current: 300 kA per Phase

Features of Every Assembly
Ground Integrity Monitoring diagnostics
Directly connected L-L MOVs
Surge counter included

Monitoring
LED Indicators, Ground Integrity Monitoring Diagnostics
Dry Contacts
Audible Alarm with Silence Switch and Test Button
Surge Counter: Included

Ratings & Approvals
NRTL Listed for United States and Canada
UL 1449-4 Listed
UL 1283 Listed
UL 96A Lightning Protection Master Labeling compliant

Construction
Enclosure Rating: Without Enclosure, Indoor
Mount: Wall Mounted or Externally Mounted to Electrical Distribution Equipment
Wire Size: #8 AWG to 1/0
Ambient Temperature Rating: 60°C

Humidity: 90% RH, Non-Condensing
Altitude: Below 3,280 ft
Color: Grey

Dimensions & Shipping
Overall Dimensions: 12 in W × 12 in H × 7 in D (estimate)
Approximate Weight: 20 lbs (estimate)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped on pallet or skid
Final shipping configuration subject to approved design

Special Orders – Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Customer Compliance
This equipment is offered per the specifications and ratings detailed herein. Minor refinements to arrangement, dimensions, and installation details may be made during detailed engineering review to ensure proper fit, code compliance, and manufacturability, with any such refinements confirmed prior to manufacture.

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and applicable drawings.

Made in the USA

The Larson Electronics MT-SPD-R7-3P-YT-20KA-50.60HZ-300KA-Z-WLM-M2 is a UL 1449-4 listed surge protective device with a 300 kA per phase surge current capacity, designed for mission critical and high profile applications. It provides the “just in case” assurance of directly connected L-L MOVs.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

This surge protective device is designed for operation at 208Y/120V, three-phase, four-wire, 50/60 Hz, with a nominal current of 20 kA and a surge current of 300 kA per phase. It is UL 1283 listed, incorporating EMI/RFI or sine wave tracking filtering designed to condition low energy L-N coupled noise. When installed at the electrical service entrance, it can be used for UL 96A compliance at 20 kA In.

Monitoring
Standard monitoring includes protection status indicator LEDs, an audible alarm, and dry contacts. Complete protection is intact when the status indicators are illuminated. When protection is lost, the status indicator extinguishes, the red service light illuminates, and the dry contacts change state. A surge counter is included.

Safety
Ground Integrity Monitoring (GIM) diagnostics monitor the health of the electrical system’s neutral to ground bond. If voltage is seen across neutral and ground, the phase indicators remain illuminated while the red service light begins to flash, alerting the end user that the

electrical system grounding needs to be checked and serviced. This feature can be remotely monitored via the dry contact outputs.

Construction
The unit is supplied without an enclosure for indoor installation, wall mounted or externally mounted to electrical distribution equipment. It accepts #8 AWG to 1/0 conductors and is rated for 60°C ambient temperature and 90% RH non-condensing humidity, at altitudes below 3,280 feet. The unit is grey and backed by a 10-year warranty.

Ratings & Approvals
The unit is NRTL Listed for the United States and Canada, UL 1449-4 Listed, UL 1283 Listed, and compliant with UL 96A Lightning Protection Master Labeling. Voltage protection ratings are 700V (L-N, L-G, N-G) and 1000V (L-L).

Applications
Surge protection for service entrance equipment and distribution panelboards in commercial and industrial facilities.

Customer Compliance
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Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Product ID: 345603

Export Control Classification Number (ECCN): EAR99

Options:

MT-SPD-R7-3P-YT-20KA-50.60HZ-300KA-Z-WLM-M2-Color
Example: MT-SPD-R7-3P-YT-20KA-50.60HZ-300KA-Z-WLM-M2-DT.686A

Color	
DESERT TAN (686A)	-DT.686A
GREEN (383)	-GRN.383

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Links (Click on the below items to view):

- **HigResPic1** (https://www.larsonelectronics.com/images/product/HigResPic1/345603.JPG)
- **ISO 9001 Certification** (http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate** (https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map** (https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)