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MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1

20 KA Surge Protection Device, 480V 3-Phase Delta 4-Wire Voltage Rating, 50/60 Hz, 50 KA Surge Capacity, 200 KA SCCR, DIN-Rail Mounted, IP20

Product ID: 346148

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



Image: MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1

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-DE-20KA-50.60HZ-200KA-Z-DRM-M1 Surge Protection Device

Unit Type: Modular Surge Protective Device
Phase: Three Phase
Frequency: 50/60 Hz
Rated Voltage: 480V AC
Maximum Continuous Operating Voltage (MCOV): 550V (L-N), 550V (L-G), 1,100V (L-L)
Voltage Protection Rating: 1,500V (L-N), 1,500V (L-G), 3,000V (L-L)
Nominal Current (I_n): 20 kA
Maximum Surge Current: 50 kA per Phase and per Mode
Short-Circuit Current Rating (SCCR): 200 kA
Surge Counter: Not Included
Standard Monitoring: Visual Status Indicator
Surge Protection Technology: Thermally Protected Metal Oxide Varistor (TPMOV®)
Overcurrent Protection: Self-Protected Design; No Additional Overcurrent Protection Required
Enclosure Rating: IP20, Finger-Safe
Operating Temperature: -40°C to +85°C
Flammability Rating: UL 94 V-0
Mount: 35mm DIN-Rail Mounted
Dimensions: 3.58" L × 2.70" W × 2.10" D

Ratings

Mersen Surge-Trap® Monobloc ST Series
ANSI/UL 1449, 5th Edition
UL Type 1 Component Assembly
RoHS Compliant

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671

Weight: 1.10 lbs

Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1 is a Mersen Surge-Trap® modular surge protective device designed to protect three-phase electrical systems against transient voltage surges. The MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1 provides reliable surge protection through its thermally protected metal oxide varistor (MOV) technology and fail-safe, self-protected design.

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

Surge Protection Device Features: The MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1 features a rated operating voltage of 480V AC, 3-Phase Delta, 4-Wire configuration, and 50/60 Hz frequency. The unit has a nominal discharge current (In) of 20 kA, maximum surge capacity of 50 kA per phase and per mode, and a short-circuit current rating (SCCR) of 200 kA. The MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1 features a DIN-rail mounting design for convenient installation within electrical distribution equipment. Its IP20 finger-safe construction provides protection against accidental contact with energized components. The integrated visual status indicator allows users to monitor the operating condition of the surge protection modules.

Safety: The MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1 incorporates a fail-safe, self-protected design with thermally protected MOV technology. This design helps disconnect the protection element at the end of its service life, reducing the risk of overheating. The device is designed for reliable operation in temperatures ranging from -40°C to +85°C and features UL 94 V-0-rated materials.

Applications: The MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1 is designed for transient voltage surge protection in three-phase delta electrical distribution systems. Suitable applications include industrial electrical panels, commercial power distribution equipment, control panels, and other electrical systems requiring protection against transient overvoltages.

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: 346148

Export Control Classification Number (ECCN): EAR99

Options:

MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1-Color
Example: MT-SPD-R7-3P-DE-20KA-50.60HZ-200KA-Z-DRM-M1-DT.686A

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

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/346148.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)