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## MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1

# 20 kVA Rack Mount Isolation 304 SS Transformer, 208/240V Primary - 120/240V Secondary, Rack Mounted Dry Type, L8-30 Inlet - CS6369 Receptacle

**Product ID: 320984**



Image: MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-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.**

**MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 Isolation Rack Mounted Transformer**

**Transformer Type:** Isolation
**Phase:** Single Phase
**Frequency:** 50/60 Hz
**Primary Voltage:** 208/240 V AC
**Capacity:** 20 kVA
**Secondary Voltage:** 120/240V AC
**Circuit Breaker:** 30-Amp 480V C-Curve Circuit Breaker Protects Primary Side
**Short Circuit Capacity:** 10 kA
**Maximum Switching Frequency:** 360 Per Hour
**Winding Material:** Aluminum
**Inlet Plug:** (L-L-G) Connector
**Outlet Receptacle:** (L-L-N-G) Output Receptacle
**Cooling:** Air / Dry Type
**Insulation:** 220°C
**Temperature Rise:** 150°C
**Sound Level:** 36 dB
**Enclosure Rating:** NEMA 1
**Enclosure Material:** 304 Stainless Steel - Ventilated
**Finish:** Natural Finish
**Mounting:** At Least 20U Tall Server Rack (20U Unit)
**Dimensions:** 19"-W x 31"-D x 35"-H
**Weight:** 295 lbs

**Ratings**

NRTL Listed for United States
NRTL Certified for Canada
304 Stainless Steel Enclosure
NEMA 1 Rated
Low Profile Front Mounted Handles
Isolation Transformer

**Special Orders - Special Requirements**

Contact us for special requirements
**Toll Free:** 1-800-369-6671
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**The MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 from Larson Electronics is a Single Phase Rack Mounted Isolation Transformer that is powerful, reliable, and designed with the environment in mind. Suitable for server rack applications, the MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 provides increased reliability, higher efficiency, protection against critical equipment failures, and an extra level of protection by isolating the power source from the connected device. The lower operating costs, lower heat emissions, and lower cost of ownership make this transformer ideal for a wide range of applications and businesses. The MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 is a 20 rack unit (20U).**

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

**Transformer Features:** The MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 isolation transformer is a single phase unit with a 20 kVA rating and a primary voltage of 208/240V. It also provides a secondary voltage of 120/240V. Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

This unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The 304 stainless steel enclosure is black in color, rated NEMA 1, and is suitable for mounting in a server rack mount of at least 20U. Four low profile handles on the front of the enclosure make installation and removal a simple task while still allowing server rack doors to close. The MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 features a 220°C insulation with a 150°C temperature rise.

**Benefits:** The MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 isolation transformer offers many benefits to the consumer. Precision cut aluminum transformer winding material helps to improve performance. The close tolerances used during manufacturing also eliminate burrs, which hinder performance. Each core is specially coated to prevent the ingress of moisture and is electrically balanced to minimize axial forces during short-circuit situations.

This transformer provides owners with significant energy savings as well as offering environmental benefits. Higher efficiency not only extends the life of the transformer, but also turns into cost savings for owners in the form of lower energy bills and decreased cost of ownership.

**Protection:** The primary side of the MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 is protected by a 30 Amp 480V C-curve circuit breaker. This thermal magnetic three pole circuit breaker provides a layer of protection against power surges and start-up amp draw. It has a short circuit capacity of 20 kA and a maximum switching frequency of 360 per hour.

**Safety:** The MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 is an isolation transformer which means that it provides operators with an increased level of protection against electric shock. An isolation transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 achieves these safety features by

seperating or "isolating" the powered device from the power source and insulation between the primary and secondary power sources.

**Mounting:** This rack mounted transformer is designed to be mounted inside server racks. The MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 is a 20U unit which allows it to fit in a server rack mount at least 20U tall. The front located handles assist in inserting and removing the transformer while having a low enough profile to allow server rack doors to close.

**Wiring/Connections:** The MPD-MT-RMU-SS-20U-ISX-208.240V-20KVA-120.240V-M1 features a 30-amp NEMA L8-30B twist lock inlet connector for making 208/240 V primary connections. The output side is equipped with a 50-amp California Standard CS6369 panel mounted output receptacle to allow for 120/240V output connections.

**Applications:** Server rack isolation transformer applications.

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