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MPD-MT-RMU-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1

9 kVA Rack Mounted Isolation Transformer, 480Y/277V Wye - 208Y/120V Wye, (1) L21-30FO Outlet, (1) L22-30FI Inlet, NEMA 1

Product ID: 320765

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



Image: MPD-MT-RMU-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1

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-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 Isolation Rack Mounted Transformer

Line-In: (1) L22-30FI NEMA Male Twist-Lock [250V]
Primary Voltage (V): 480Y/277V AC Wye
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: N/A
Primary Breaker(s): (1) 25A 3P MCB [480V]
Primary Outlet(s): N/A
Primary Protection: MCB Circuit Breaker
Transformer (KVA): 9KVA 480V to 208Y/120V 3PH ISO N3R
Secondary Voltage (V): 208Y/120V AC Wye
Secondary Phase (PH): 3-Phase (3PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: N/A
Secondary Breaker(s): (1) 30A 3P MCB [250V]
Secondary Outlet(s): (1) L21-30FO NEMA Female Twist-Lock [250V]
Secondary Protection: MCB Circuit Breaker
Enclosure Rating: NEMA 1
Form Factor: 9U 19" Rack Mount
Finish: Powder Coated - Black

Ratings

Max Primary OCP: 30A @ 480V
Max Secondary Output: 30A @ 208V
NRTL Listed for United States
NRTL Certified for Canada
Black Powder Coated Steel Enclosure
NEMA 1 Rated
Low Profile Front Mounted Handles
Isolation Transformer

Powder Coat Finish Standards:

Complies with ASTM D-523
Complies with ASTM D-3359
Complies with ASTM D-522
Complies with ASTM D-3363
Complies with ASTM D-2794

Special Orders - Special Requirements

Contact us for special requirements

Transformer Dimensions: 16.39" x 15.19" x 6.94"
Enclosure Dimensions: 19"-W x 15.75"-H X 14"-D
Weight: -

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The MPD-MT-RMU-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 from Larson Electronics is a Three 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-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 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-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 is a 9 rack unit (9U).

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

Operation:

• Primary Voltage: 480Y/277V AC Wye 3PH

• Primary Panel: N/A

• Primary Breaker(s): (1) 30A 3P MCB [480V]

• Primary Outlet(s): N/A

• Transformer: 9KVA 480V to 208Y/277V 3PH ISO N3R

• Secondary Voltage: 208Y/120V AC Wye 3PH

• Secondary Panel: N/A

• Secondary Breaker(s): (1) 30A 3P MCB [250V]

• Secondary Outlet(s): (1) L21-30FO NEMA Female Twist-Lock [250V]

*See specification table at the top of the page for more information about the power distribution system.

Transformer Features: The MPD-MT-RMU-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 isolation transformer is a three phase unit with a 9 kVA rating and a primary voltage of 480Y/277V AC Wye. It also provides a secondary voltage of 208Y/120V AC Wye. 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 powder coated steel enclosure is black in color, rated NEMA 1, and is suitable for mounting in a server rack mount of at least 9U. 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-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 features a 220°C insulation with a 150°C temperature rise.

Benefits: The MPD-MT-RMU-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 isolation transformer offers many benefits to the consumer. Precision cut aluminum transformer winding material help to improve performance. The close tolerances used during manufacturing also eliminates burrs which hinder performance. Each core is specially coated to prevent the ingress of moisture and are electricallybalanced 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 turn into cost savings for owners in the form of lower energy bills and decreased cost of ownership.

Protection: The primary side and secondary side of the MPD-MT-RMU-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 are both protected by a 30 amp 3P miniature circuit breaker.

Safety: The MPD-MT-RMU-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 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-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 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-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 is a 9U unit which allows it to fit in a server rack mount at least 9U 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-9U-NTL.30A-ISX-YE9YT-DD-1.L37-R1 features a 30-amp L22-30FI NEMA male twist lock 250V inlet for making 480Y/277V AC Wye primary connections. The output side is equipped with a 30-amp L21-30FO NEMA female twist lock outlet to allow for 208Y/120V AC Wye 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

Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **ANSI Certificate 1**(https://www.larsonelectronics.com/images/product/ANSICert1/320765.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/320765.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/320765.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/320765.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/320765.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/320765.PDF)
- **Certificate 5, Misc**(https://www.larsonelectronics.com/images/product/Cert5/320765.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/320765.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/320765.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/320765.PDF)
- **Single Line Diagram (One-Line Diagram)**(https://www.larsonelectronics.com/images/product/Oneline/320765.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/320765.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/320765.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/320765.JPG)
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