Larson Electronics LLC
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MT-DOE16-FP-1P-380V-15KVA-120.240V-N3R

15 kVA Distribution Transformer - 380V Primary - 120/240V Secondary - NEMA 3R - Single Phase, 50/60 Hz - Fully Potted / Encapsulated - NEMA 3R

Product ID: 321497

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



Image: MT-DOE16-FP-1P-380V-15KVA-120.240V-N3R

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-DOE16-FP-1P-380V-15KVA-120.240V-N3R Fully Potted Distribution Transformer

Phase: Single Phase
Frequency: 50/60 Hz
kVA: 15
Primary Voltage: 380V AC
Primary Configuration: Single Phase
Secondary Voltage: 120/240V AC
Secondary Configuration: Single Phase w/ Neutral
Reverse Connectable: Yes
Winding Material: Aluminum
Connection Type: Lugs / Bolt-Down Terminals
Mounting: Wall
Cooling: Air/Dry
Construction Style: Enclosed - Resin Encapsulated Core & Coil
Insulation: 180°C
Temperature Rise: 115°C
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 3R Heavy Duty Encapsulated - Steel
Finish: ANSI 61 Grey Finish
Dimensions: 20.2"-L x 19.4"-W x 21.5"-H
Weight: 170 lb

Ratings

NRTL Listed for United States and Canada
IP14 Rated
Fully Potted / Encapsulated
Distribution Transformer

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
E-mail: sales@larsonelectronics.com

The MT-DOE16-FP-1P-380V-15KVA-120.240V-N3R from Larson Electronics is a Single Phase Energy Efficient Fully Potted Distribution Transformer that is powerful, reliable, and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-DOE16-FP-1P-380V-15KVA-120.240V-N3R provides increased reliability, protection against critical equipment failures and the ability to adjust the supply voltage to match specific load requirements The lower operating costs, lower heat emissions, and lower cost of ownership make this transformer ideal for a wide range of applications and businesses.

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

Transformer Features: With a transformer rating of 15 kVA, the MT-DOE16-FP-1P-380V-15KVA-120.240V-N3R fully potted distribution transformer is a single phase unit with a primary voltage of 380V AC. It also provides a secondary voltage of 120/240V AC. Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

This encapsulated unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The Standard Type 3R enclosure makes the unit suitable for both indoor and outdoor applications and it can be wall mounted. The unit also features a 180°C insulation with a 115°C temperature rise.

Benefits: The MT-DOE16-FP-1P-380V-15KVA-120.240V-N3R fully potted distribution 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 electrically balanced to minimize axial forces during short circuit situations.

This fully potted distribution 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. Integrated wall mounting brackets make installation fast and easy and the offset outward facing wall installation holes allow for easy power tool access.

Safety: The MT-DOE16-FP-1P-380V-15KVA-120.240V-N3R is an encapsulated 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 MT-DOE16-FP-1P-380V-15KVA-120.240V-N3R achieves these safety features by separating or "isolating" the powered device from the power source and insulation between the primary and secondary power sources.

Applications: General purposes.

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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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/321497.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/321497.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/321497.JPG)
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