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MT-DOE16-SS-FP-1P-480V-10KVA-120.240V-N4X-CU

10 kVA Isolation Transformer - 480V Primary - 120/240V Secondary - NEMA 4X - Stainless - Single Phase - Fully Potted / Encapsulated - Copper Winding

Product ID: 327273



Image: MT-DOE16-SS-FP-1P-480V-10KVA-120.240V-N4X-CU

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-SS-FP-1P-480V-10KVA-120.240V-N4X-CU Fully Potted Isolation Transformer

Phase: Single Phase
Frequency: 60 Hz
kVA: 10
Primary Voltage: 480 V
Primary BIL: 10 kV
Primary FCAN: TBD
Primary FCBN: TBD
Secondary Voltage: 120/240 V
Secondary BIL: 10 kV
Winding Material: Copper
Efficiency: DOE 2016 / NRCAN 2019 (Also Meets ON Reg. 404/12)
Insulation: 220°C
Temperature Rise: 150°C
Impedance (Std): -
Seismic Zone: Zone 4
Sound Level: Meets NEMA ST-20 Standards
Primary Termination: -
Secondary Termination: -
Enclosure Material: NEMA Type 4X - 304 Stainless Steel
Finish: 304 Stainless Steel
Dimensions: 11.02" x 11.41" x 21.65"
Weight: 224.86 Lbs
Mounting: Floor

Ratings

NRTL Listed for United States and Canada
ANN Cooling
IP66 Rated
Isolation Transformer
Fully Potted / Encapsulated

Special Orders - Special Requirements

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

The MT-DOE16-SS-FP-1P-480V-10KVA-120.240V-N4X-CU 480 V 1 Phase Energy Efficient Fully Potted Isolation Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-DOE16-SS-FP-1P-480V-10KVA-120.240V-N4X-CU provides increased reliablity and protection against critical equipment failures. 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 MT-DOE16-SS-FP-1P-480V-10KVA-120.240V-N4X-CU features a NEMA 4X rated stainless steel enclosure.

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

Transformer Features: With a transformer rating of 10 kVA, the MT-DOE16-SS-FP-1P-480V-10KVA-120.240V-N4X-CU isolation transformer is a single phase unit with a primary voltage of 480 V. It also provides a secondary voltage of 120/240 V. Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

This fully potted unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The stainless steel NEMA Type 4X enclosure makes the unit suitable for both indoor and outdoor applications and it can be floor mounted. The unit also features 220°C insulation with a 150°C temperature rise and is rated IP66.

Benefits: The MT-DOE16-SS-FP-1P-480V-10KVA-120.240V-N4X-CU isolation transformer offers many benefits to the consumer. Precision cut copper 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 isolation 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 floor mounting brackets make installation fast and easy and the offset outward facing floor installation holes allow for easy power tool access.

Safety: The MT-DOE16-SS-FP-1P-480V-10KVA-120.240V-N4X-CU 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-SS-FP-1P-480V-10KVA-120.240V-N4X-CU 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.

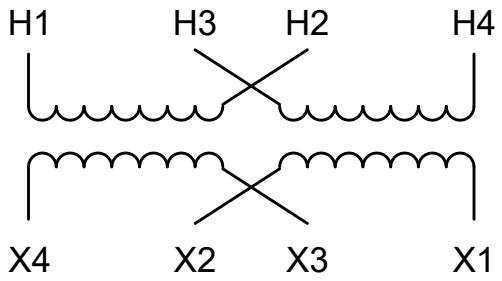
Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our

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.

Wiring Diagram

WARNING: *DO NOT SERVICE WHILE ENERGIZED!*

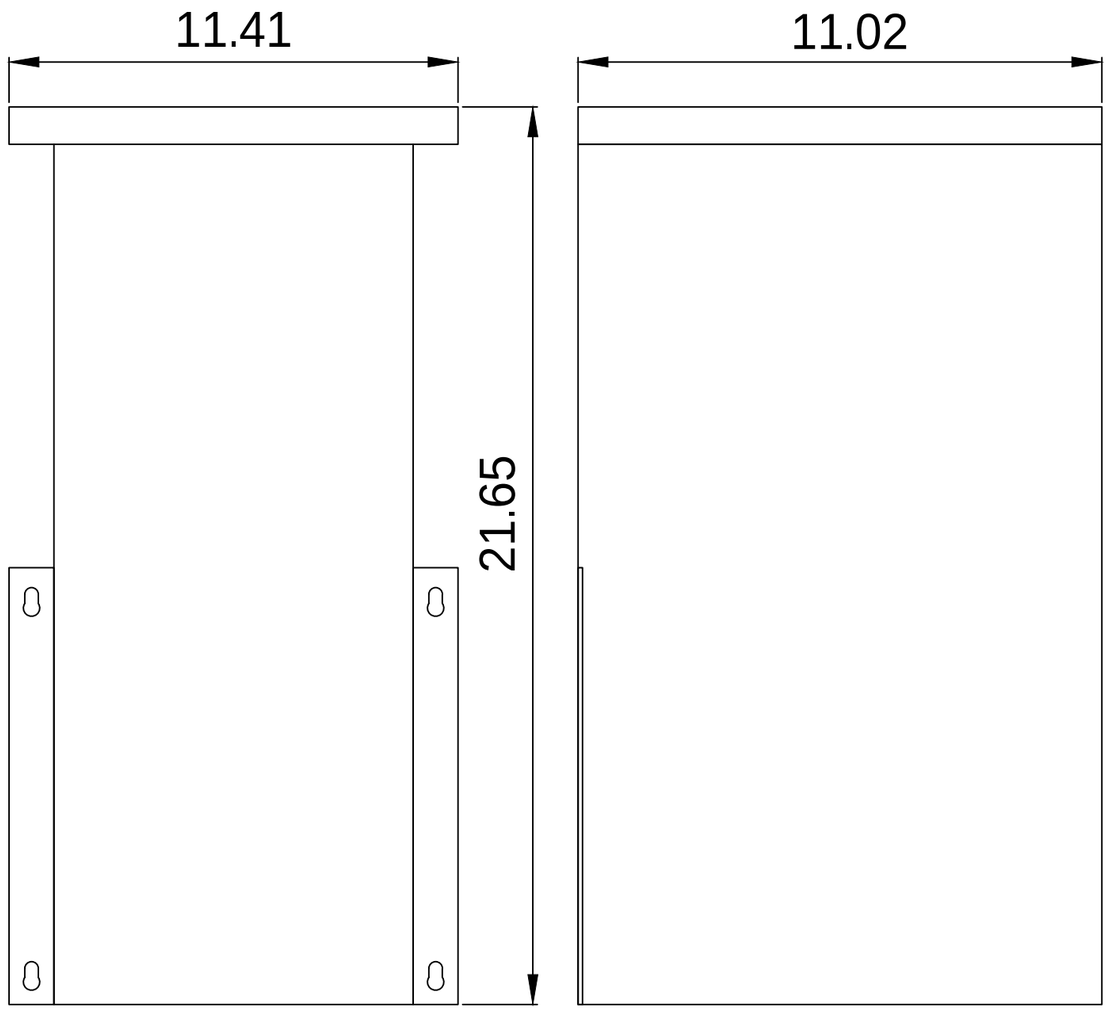
MT-DOE16-SS-FP-1P-480V-10KVA-120.240V-N4X-CU



Primary Volts	Connect Lines To	Jumpers
480	H1-H4	H2-H3
240	H1-H4	H1-H3, H2-H4

Secondary Volts	Connect Lines To	Jumpers
240	X1-X4	X2-X3
120	X1-X4	X2-X4, X1-X3

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FRONT VIEW

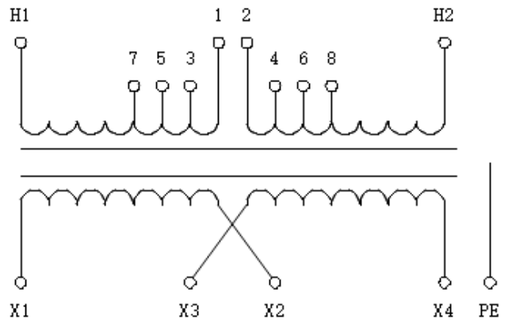
SIDE VIEW



VERTICAL VIEW

Notes:
1.All dimensions are in inches.
2.It should be NEMA 4X,304SS.

Phase	1	Frequency	60Hz
Capacity	10KVA		
Input	480V+2*2.5%&-4*2.5%		
Output	120/240VAC		
Vector	Ii0		
Weight	224.86Lbs		



1-2	H1-H2:	480V+5%
1-4/2-3	H1-H2:	480V+2.5%
3-4	H1-H2:	480V
3-6/4-5	H1-H2:	480V-2.5%
5-6	H1-H2:	480V-5%
5-8/6-7	H1-H2	480V-7.5%
7-8	H1-H2	480V-10%

X1-X3&X2-X4	X1-X4	120V
X2-X3	X1-X2(X3)-X4	120/240V
X2-X3	X1-X4	240V

10KVA
480V+2*2.5%-4*2.5%/
120/240V

ENCAPSULATED
TRANSFORMER

S | A | B | C 1:1

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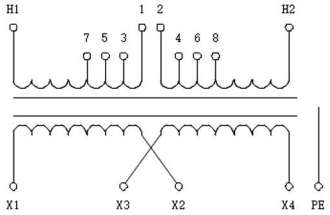
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SINGLE PHASE DRY TYPE TRANSFORMER

PRIMARY		
TAP POSITION	VOLTAGE (V)	CURRENT (A)
1	COM.	
2	504	
3	492	
4	480	20.8
5	468	
6	456	
7	444	
8	432	
SECONDARY		
VOLTAGE (V)	CURRENT (A)	
120/240V	41.6	

RATED CAPACITY	10KVA	STANDARD	DOE2016
Input	240/480V	PRODUCT ID	25334DG10B1
Output	120/240V	SERIAL NO.	WE25334DG10-B1
IMPEDANCE	3~7 %	NEMA 4X	
USE CONDITION	OUTDOOR	TEMPERATURE RISE	115℃
PHASE	1 PHASE	INSULATION CLASS	180℃
VECTOR GROUP	Ii0	FULLY POTTED	
RATED FREQUENCY	60 Hz	TOTAL WEIGHT	224.86 lbs
COOLING TYPE	AN	MANUFACTURING DATE	2025.11

WIRE CONNECTION



LARSON MAGNETICS

Larson Magnetics LLC

Kemp, TX USA

170

150

230

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Frequently Asked Questions (FAQ)

There are no Faqs