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MT-PDT-TC-R7-1P-SNF-19KVA-SP-A6-HZ-CZ-Z-FM-N3R-M1

19 KVA Medium Voltage Distribution Transformer - 4160V Primary, 240V Secondary, NEMA 3R

Product ID: 301064

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-PDT-TC-R7-1P-SNF-19KVA-SP-A6-HZ-CZ-Z-FM-N3R-M1 Dry Type Transformer

Transformer Type: Conventional Transformer
Transformer Configuration: Open Type, Dry
Phase: Single Phase
Capacity: 19 KVA
Vector Group: N/A
Primary Voltage: 4160V AC
Primary Voltage Class: 5 kV Class
Primary Phasor: N/A
Primary BIL: 60 KV
Secondary Voltage: 240V AC
Secondary Voltage Class: 1.2 kV Class
Secondary Phasor: N/A
Secondary BIL: 30 KV
Frequency: 60 Hz
Temperature Rise: 150°C
Cooling: N/A
Forced Air (Fans): N/A
Insulation: 220°C
Tap Changer: 2-position Tap Changer
Tap Qty: (6), (2) FCAN Above & (3) FCBN Below
Tap %: Tap 1, 115% (276V); Tap 2, 110% (264V); Tap 3; 100% (240V); Tap 4, 90% (216V); Tap 5, 80% (192V); Tap 6, 70% (168V)
Tap Changer Switch Location: N/A
Impedance (at 120°C): N/A
Primary Connection Type: N/A
Primary Termination: N/A
Primary Connection Qty: N/A
Primary Surge Arrestors: N/A

Ratings

NRTL Listed for United States and Canada
Complies with ANSI / IEEE C57.12.00
Complies with ANSI / IEEE C57.12.01
Complies with ANSI / IEEE C57 12.35
Complies with ANSI / IEEE C57.12.59
Complies with ANSI / IEEE C57.12.70
Meets/Exceeds DOE 2016 Efficiency Ratings
Meets/Exceeds CSA Efficiency Ratings
Meets or Exceeds NEMA ST-20 Standards
NEMA 3R Indoor/Outdoor Steel Enclosure
Seismic Qualified for Earthquake Loads
RoHS Certified
CE Certified

Efficiency %: N/A
Based on transformer operating at 50% of nameplate base kVA.

Load Losses at 145°C Reference Temp.
No Load Loss (in watts): +/- N/A
Full Load Loss(in watts): +/- N/A
Total Load Loss (in watts): +/- N/A

Note: ***Losses offered are typical only, not guaranteed***

Primary Surge Arrestor Voltage Rating: N/A
Primary Surge Arrestor MCOV Rating: N/A
Primary Over Current Protection (OCP): N/A
Primary Over Current Protection Method: N/A
Primary Over Current Protection Holder: N/A
Primary Grounding Provisions: N/A
Secondary Connection Type: N/A
Secondary Connections: N/A
Secondary Connection Qty: N/A
Secondary Over Current Protection (OCP): N/A
Secondary Grounding Provisions: N/A
Metering Current Transformer (CT): N/A
Metering Panel: N/A
Auxiliary Control Panel : N/A
Load Break Switch: N/A
Load Break Switch Qty: N/A
Load Break Switch Location: N/A
Efficiency Standard(s): N/A
Temperature Sensors: N/A
Seismic Bracing: N/A
Weather Shield: N/A
Space Heaters: N/A
Winding Material: Copper
Ambient Temperature Rating: N/A
Sound Level: N/A
Elevation Rating: N/A
Enclosure Material: Coated Steel, Ventilated
Enclosure Rating: NEMA 3R Weatherproof
System Form Factor: N/A
Paint Type: N/A
Finish: ANSI 61 Grey, NRTL Listed to UL 50 Finish
Mount: Floor Mount
Dimensions: 28.3"H x 20.3"W x 16.3"D
Weight: 255 lbs
*Please note that numbers are approximate and subject to change

Special Orders - Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The MT-PDT-TC-R7-1P-SNF-19KVA-SP-A6-HZ-CZ-Z-FM-N3R-M1 Dry Type Transformer from Larson Electronics converts single-phase 4160V AC electrical current to single-phase 240V AC. This power distribution unit provides operators the ability to safely tap into and distribute 4160V AC power from a variety of sources, such as direct grid power. Protected by a coated steel housing, the NEMA 3R rated system is compatible with floor mounting installations.
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*
Transformer Features: With a transformer rating of 19 KVA, the industrial dry type transformer features a primary voltage of single-phase 4160V AC and a secondary voltage of single-phase 240V AC. This non-potted transformer features a 2-position tap changer with two, +/- 2.5% taps to allow small changes for voltage. The system features copper windings for high strength and electrical conductivity.
Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology. Each core is specially coated to prevent the ingress of moisture and are electrically balanced to minimize axial forces during short circuit situations.
The MT-PDT-TC-R7-1P-SNF-19KVA-SP-A6-HZ-CZ-Z-FM-N3R-M1 is not equipped with fans or mounting provisions for fans. We can add fans for cooling at an additional cost.
Transformer Efficiency: The transformer meets standard efficiency requirements. High efficiency makes this unit suitable for use in electrical rooms, air conditioned spaces in buildings, underground vaults and similar locations, in addition to outdoor areas.
Temperature Sensor: The MT-PDT-TC-R7-1P-SNF-19KVA-SP-A6-HZ-CZ-Z-FM-

N3R-M1 is not equipped with temperature sensors inside the system for controls and monitoring. A monitoring service is not included with the transformer.
Load Break Switch: This dry type transformer does not include a load break switch. We can add a load break switch at an additional cost.
Surge Arresters: This transformer does not include surge arresters. Designed for over-voltage and transient voltage protection, the components prevent damage caused by lightning, internal switching or voltage surges. We can offer models without surge arresters that have mounting provisions for customer-provided surge arresters.
Control Transformer: This transformer does not include a control transformer. We can add a control transformer for operating equipment at an additional cost.
Seismic Bracing: This system does not include seismic bracing. We can add seismic bracing for added protection in areas prone to earthquakes at an additional cost.
Weather Shield: This conventional transformer does not include a weather shield. We can add a weather shield for protection in outdoor areas, humid environments and rodents at an additional cost.
Space Heaters: This system does not include a space heater. We can add a space heater for preventing condensation during extended shutdown at an additional cost.
Enclosure Design: This transformer is protected by a coated steel housing. The ventilated enclosure carries a NEMA 3R rating for protection from exposure to moisture, rain, dust and debris.
Mount: The power distribution unit is designed for floor mounting installations. This unit is equipped with legs that raise the base of the system above the ground. By comparison, our pad mount transformers are not raised and sit flush on the ground for space-saving installations.
Benefits: The MT-PDT-TC-R7-1P-SNF-19KVA-SP-A6-HZ-CZ-Z-FM-N3R-M1 transformer offers many benefits to consumers. 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.
Applications: General purposes, industrial sites, electrical rooms, underground vaults, manufacturing facilities, steel plants, offshore, commercial, military, processing plants, electric power distribution, utilities, public locations and more. 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)