

45 KVA Power Distribution - 480V Delta to 400Y/231 Wye-N, 50/60Hz - (2) Receptacles
MT-DF.SP-3P-480D-45KVA-400Y.231-N3R-50HZ-2X32A.3P



MT-DF.SP-3P-480D-45KVA-400Y.231-N3R-50HZ-2X32A.3P Power Distribution

Line-in: Customer Provided

Frequency: 50/60Hz

Primary Voltage: 480V AC, 3PH Delta

Primary Disconnect: 60A 480V 3PH N3R Fused @ 60A

Primary Protection: Disconnect, Time Delay Fuses

Transformer: 45 KVA 480V to 400Y/231V 3PH N3R

Secondary Voltage: 400Y/231V AC, 3PH Wye-N

Secondary Receptacles: (2) 32A 532R6W [400V 3P+N+E] Pin/Sleeve

Secondary Protection: Weatherproof Covers

Taps: 2 - 2.5% FCAN; 4 - 2.5%

Winding Material: Aluminum

Primary Termination (Std): -

Secondary Termination (Std): -

Mounting: Floor or Wall

Insulation: 220°C

Temperature Rise: 150°C

Transformer Sound Level: Meets NEMA ST-20 Standards

Transformer Enclosure Material: NEMA Type 3R Heavy Duty Ventilated - Steel

Transformer Finish: ANSI 61 Grey, UL50 Finish

Dimensions: -

Weight: -

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Approvals/Ratings

NEMA 3R Indoor or Outdoor Use

CSA Certified

Special Orders- Requirements

Contact us for special requirements

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All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

The MT-DF.SP-3P-480D-45KVA-400Y.231-N3R-50HZ-2X32A.3P Power Distribution Substation converts three-phase 480V AC electrical current to three-phase 400Y/231V AC. This power distribution unit provides operators the ability to safely tap into and distribute 480V AC power from a variety of sources including generators and direct grid power.

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

The MT-DF.SP-3P-480D-45KVA-400Y.231-N3R-50HZ-2X32A.3P power distribution system gives operators the ability to power their 400Y/231 volt equipment from a single system. On the primary side, operators connect three-phase 480 volt line-in power using a customer-provided cord. On the secondary side, two, CEE Form (IEC 60309) receptacles are available for 400Y/231V equipment. All receptacles are equipped with weatherproof covers.

Operation: A customer-provided cord brings three-phase 480V power to the NEMA 3R 60-amp, three-phase 480V disconnect on the primary side, which contains three, 60-amp time delay fuses, and passes power to the transformer. The NEMA 3R 45 KVA transformer converts 480V to 400Y/231V 50/60Hz and passes the current to the secondary side. The secondary side of the system contains two, 32-amp 220-415V 532R6W pin/sleeve receptacles.

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

Transformer Benefits: Featuring robust construction, the transformer's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology. This 50/60 Hz 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 either floor or wall mounted. The unit also features 220°C insulation with a 150°C temperature rise.

The 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 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.

Safety: The MT-DF.SP-3P-480D-45KVA-400Y.231-N3R-50HZ-2X32A.3P is equipped with 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 MT-DF.SP-3P-480D-45KVA-400Y.231-N3R-50HZ-2X32A.3P 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: This power distribution system is ideal for indoor or outdoor use and applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. We also offer class rated transformers for use within explosion proof and hazardous location environments.

Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, 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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