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NGR-AC-5.1KV-17KA-AN-CU-M1

17 kA 1-PH Air Core Neutral Grounding Reactor, 5.1 kV , AN Class, 60 Hz, Copper, RAL 7035

Product ID: 310559

Image: NGR-AC-5.1KV-17KA-AN-CU-M1

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.

NGR-AC-5.1KV-17KA-AN-CU-M1 Air Core Neutral Grounding Reactor

Type: Air Core, Dry Type
Voltage Rating: 5.1 kV
Voltage Class: 15 kV
Voltage BIL: 110 kV
Max. Current Rating: 17 kA (10 sec.)
Frequency: 60 Hz
Reactance: 0.3 Ω
Inductance: 0.795775 mH
Installation: Indoor / Outdoor
Winding Material: Copper
Terminal: 24 Bolt Hole Pattern
Knockouts: N/A
FCAN (Above) Taps: N/A
FCAN (Below) Taps: N/A
Tap %: N/A
Cooling Class: AN (Air-Natural)
Mounting: Aluminum Bottom Pedestal, 26 inches high
Temperature Rise: 245°C
Temperature Range: -40°C to +55°C
Seismic Design: Meets IEEE 693-2018
Sound Level: Meets NEMA ST-20 Standards, IEC 60076
Enclosure Construction: Epoxy Impregnated, Fiberglass Encapsulated Construction

Approvals/Ratings

NRTL listed for United States
NRTL listed for Canada
NEMA 3R Indoor/Outdoor Steel Enclosure
Meets or Exceeds NEMA ST-20 Standards
Meets or Exceeds ANSI TR-2055
Station Post Insulators
Seismic Qualified for Earthquake Loads
RoHS
CE Certified
UL Listed

Finish: RAL 7035

Enclosure Dimensions: 48.43" x 87.60"
Weight: TBD
Shipping Method: TBD
Shipping Weight: TBD

Shipping Dimensions: TBD

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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The NGR-AC-5.1KV-17KA-AN-CU-M1 is a single phase reactor generally connected between ground and neutral of transformers or generators in order to control single line-to-ground faults at a desired level. They achieve this by resisting current flow through inductive elements. This unit is used in order to limit line-to-ground fault current to a value which will not damage the equipment in the power system, yet allow sufficient flow of fault current to operate protective relays to clear the fault. If the circuit is balanced, current flow through the reactor will be zero, thus, there will be no losses.

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

Unit Features: The NGR-AC-5.1KV-17KA-AN-CU-M1 is a single phase reactor with a 17 kA capacity rating. This reactor is configured with a rated voltage of 5.1 kV 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 unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is

needed as well. The standard NEMA Type 3R enclosure makes the unit suitable for both indoor and outdoor applications and is designed to be floor mounted. Wall mount brackets or additional mounting accessories can be purchased separately. This reactor features 245°C temperature rise.

Benefits: The NGR-AC-5.1KV-17KA-AN-CU-M1 has a perfect mechanical strength to withstand high short-circuit forces, limited temperature rise enables longer lifetime, special surface protection against UV and pollution Class IV areas, maintenance-free design, low noise levels.

Applications: Reducing single phase to earth fault currents which occur in electrical networks to prevent damages on transformers and generators, reducing temporary over voltages formed by braking instantaneous fault currents, providing long-life for switchgears, and reducing step voltages to a harmless level for personnel.

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