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NGRX-PM-6KV-90A-AN-42.33OHM-M1

Neutral Grounding Resistor, 3.6/6.0 kV System Voltage, 90 A Current Rating, AN Class, 60 Hz, 42.33 Ohms Rated Resistance

Product ID: 321766



Image: NGRX-PM-6KV-90A-AN-42.33OHM-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.

NGRX-PM-6KV-90A-AN-42.33OHM-M1 Neutral Grounding Resistor

Type: Neutral Grounding Resistor

System Rated Voltage: 3.6/6.0 kV

Voltage BIL: 95 kV

Current Rating: 90 A

Rated Time: 10 Sec.

Frequency: 60 Hz

Rated Resistance: 42.33 Ω

Resistor Material: Stainless Steel Grid

Temperature Rise: 760°C

Temperature Coefficient: ±350ppm/K

Installation: Indoor/Outdoor

Current Transformer: Included, 50:5 Ratio, 600V Rated, C10 Accuracy Class

Terminal: Porcelain bushing, Line-side terminal to receive an insulated cable, and station ground side terminal. Can be on the top, side or bottom of the enclosure.

Termination Cable Size (Incoming/Outgoing): 1R × 1C × 4/0 AWG

Cable Type: CU/XLPE/AWA/FR-PE

Approvals/Ratings

NEMA 12 Indoor/Outdoor Steel Enclosure
Meets or Exceeds NEMA 250 Standards
Meets or Exceeds NEMA ICS 6 Standards
Meets or Exceeds ANSI C29.8 Standards
Meets or Exceeds ANSI Z55.1 Standards
Meets or Exceeds ANSI C57.13 Standards
Meets or Exceeds ASTM A123M Standards
Meets or Exceeds NEMA TR1 Standards

Supports: Highly quality porcelain insulators and stainless steel frame

Knockouts: N/A

Cooling: Natural air cooling

Mounting: Complete with base channel frame, fixing channels, and foundation bolts

Temperature Range: -10□ to +40□

Relative Humidity: 95-100%

Altitude: 3,300ft (1000m) Above sea Level

Seismic Design: Meets IEEE 693-2018

Sound Level: Meets NEMA ST-20 Standards, IEC 60076

Enclosure Rating: NEMA 12, suitable for indoor/outdoor installation

Enclosure Material: Cold Steel

Enclosure Finish: Paint, RAL7035, w/ Shorting Block

Hardware Material: Galvanized steel

Cable Entry: Bottom, w/ Gland Plate

Enclosure Dimensions: 49.21"-L × 45.28"-W × 71.65"-H

Weight: 1,323 lbs

Shipping Method: TBD

Shipping Weight: TBD

Shipping Dimensions: TBD

Special Orders - Special Requirements

Contact us for special requirements

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The main purpose of the NGRX-PM-6KV-90A-AN-42.33OHM-M1 Neutral Grounding Resistor (NGR) is to limit the fault current present in a single line to ground fault. Limiting the possible current that can flow in such

an event not only reduces damage to equipment but also helps safeguard personnel in the vicinity

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

Unit Features: The NGRX-PM-6KV-90A-AN-42.33OHM-M1 is a neutral grounding resistor with a 90 A capacity rating. This resistor is configured with a system voltage of 3.6/6.0 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 12 enclosure makes the unit suitable for indoor/outdoor applications and is designed to be floor mounted.

Benefits: The NGRX-PM-6KV-90A-AN-42.33OHM-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