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## NGRX-PM-34.5KV-1200A-AN-16.6OHM-M1

# Neutral Grounding Resistor, 34500Y/19920 System Voltage, 1200 A Thermal Current Rating, AN Class, 60 Hz, 16.6 Ohms Rated Resistance, Cast Iron, Pad Mount

**Product ID: 320976**

**Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).**

**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-34.5KV-1200A-AN-16.6OHM-M1 Neutral Grounding Resistor**

**Type:** Neutral Grounding Resistor

**System Voltage (L-L):** 34.5 kV

**System Voltage (L-L):** 19.92 kV

**Voltage BIL:** 200 kV

**Current Rating:** 600 A

**Frequency:** 60 Hz

**Neutral Grounding Resistance (@ 25ºC):** 16.60Ω

**Thermal Current Rating:** 1200A RMS, Sym.

**Mechanical Current Rating:** 1440A RMS, Sym.

**Rated Withstand Time:** 10 Sec.

**Resistor Material:** Cast Iron, Corrosion Protected, Enclosed Tank Type

**Temperature Rise:** 500ºC

**Temperature Coefficient:** ±350ppm/K

**Installation:** Outdoor
**Terminal:** Copper Connections, on the top of the enclosure.
**Knockouts:** N/A
**Cooling:** Natural air cooling
**Mounting:** Pad Mount
**Temperature Range:** -10□ to +40□
**Relative Humidity:** 95-100%
**Altitude:** 3,300ft (1000m) Above sea Level
**Seismic Design:** Meets IEEE 693-2018

**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 IEEE C57.32 Standards
Meets or Exceeds IEEE C2 NESC Standards
Meets or Exceeds NFPA 70 Standards
Meets or Exceeds OSHA Standards
Meets or Exceeds UL-467 Standards
Meets or Exceeds NEMA TR1 Standards

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

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

**Enclosure Material:** Mild Steel

**Enclosure Finish:** ANSI 61 Grey

**Hardware Material:** Galvanized Steel

**Enclosure Dimensions:** 55.12"-L × 47.24"-W × 86.6"-H

**Weight:** 2,094 lbs

**Shipping Method:** -

**Shipping Weight:** -

**Shipping Dimensions:** 63"-L × 51.2"-W × 95.3"-H

**Special Orders - Special Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

**Fax:** 1-903-498-3364

**E-mail:** sales@larsonelectronics.com

**The main purpose of the NGRX-PM-34.5KV-1200A-AN-16.6OHM-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-34.5KV-1200A-AN-16.6OHM-M1 is a neutral grounding resistor with a 1200 A capacity rating. This resistor is configured with a system voltage of 34.5 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 pad mounted.

**Benefits:** The NGRX-PM-34.5KV-1200A-AN-16.6OHM-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

**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- **ISO 9001 Certification**( http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF )
- **Business Certificate**( https://www.larsonelectronics.com/images/pdfdocs/w9.PDF )
- **Shipping Time Map**( https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf )