

# Neutral Grounding Resistor (NGR) Checklist

Date: \_\_\_\_\_

Customer Name: \_\_\_\_\_

Project Name: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_  
Street Address

Bid Required by Date: \_\_\_\_\_

Requested Delivery Date: \_\_\_\_\_

\_\_\_\_\_ City \_\_\_\_\_ State/Province

**Shipping:** (Prepaid and add) shipping EXW factory  
in Mississauga, ON

\_\_\_\_\_ Zip/Postal Code

Drawing approval required

## NGR Specification

### 1. System Type:

Wye                  Delta                  (c/w zig zag transformer)

NGR Quantity

### 2. System Voltage (LL):

480 V                  600 V                  2,400 V                  4,160 V

13,800 V                  25,000 V                  Other: \_\_\_\_\_

### 3. Time Rating (Duty):

Continuous                  10 s                  60 s

### 4. NGR Let-through Current:

5 A                  10 A                  25 A                  200 A

Other: \_\_\_\_\_

### 5. Pulsing Circuit:

Yes                  No                  Pulsing Level: \_\_\_\_\_ A to \_\_\_\_\_ A

### 6. Enclosure:

Indoor NEMA Type 1 (IP23)

Outdoor NEMA Type 3R (IP54)  
(standard)

OEM Kit

Painted Galvanized Steel

Other: \_\_\_\_\_

## Advanced Functionality

### 1. Switchgear Configuration:

Single Main                      Main-Tie-Main                      Other \_\_\_\_\_

### 2. Resistor Monitoring Relay:

(No comms)

RC48N

Communication Capable

NGRM500

NGRM550

NGRM700

NGRM750

AC/DC Ground Fault Detection

### 3. Feeder Monitoring and Control:

*NOTE: For a quote with the correct CTs, include information of feeder sizes and number of conductors.*

Number of Feeders: \_\_\_\_\_ Number of Feeders requiring AC/DC: \_\_\_\_\_  
(feeders with VFD's, UPS or other non-linear loads)

Second-ground-fault protection (PLC)

### 4. Options:

Virtual Training

Commissioning

Test Resistor

Heater

Horn

Analog Handheld Ammeter

Light

Control Power Transformer

Other: \_\_\_\_\_

### 5. Separate LV Control Package

*Standard 480 and 600 V designs are in one enclosure, and MV designs have separate NGR and control enclosures, unless otherwise specified.*

## Special Requests or Additions

Additional CT Required

Brand, Ratio, other info: \_\_\_\_\_

Seismic Rating Required:                      Level: \_\_\_\_\_

Cable Entry or Bushings:    Bushings Top                      Knockout Plate

Bushings Side

Altitude greater than 3000 m AMSL required: \_\_\_\_\_

Please provide file name if supplying single line diagram.

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