

Neutral Grounding Resistor

Protecting three phase systems from excessive ground fault current

Powerohm's neutral grounding resistors are designed for resistance grounding of three-phase systems, limiting ground fault current to levels that activate protective relays while preventing fault damage.

Benefits

- Provides fault protection
- Limits excessive damage to equipment
- Reduces the magnitude of transient over-voltage
- Reduces shock hazard to personnel
- Prevents over heating and mechanical stress on conductors
- Prevents additional faults from occurring through segregation

Standard Features

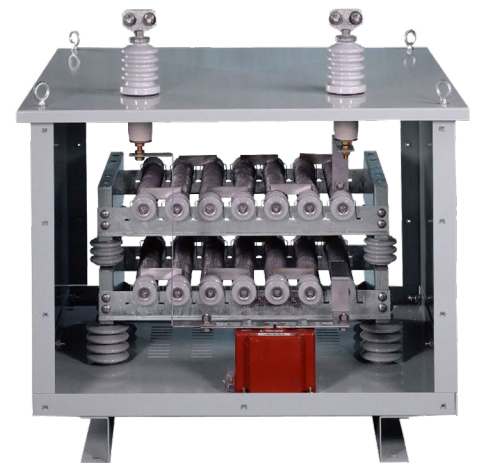
- Designed and tested per IEEE Standard C57.32a-2020 standards
- The resistor features a stainless steel element wound around a ceramic core, with insulators at each end mounted to a support frame
- Standard mill-galvanized NEMA 3R enclosures with built-in ground pad

Optional Features

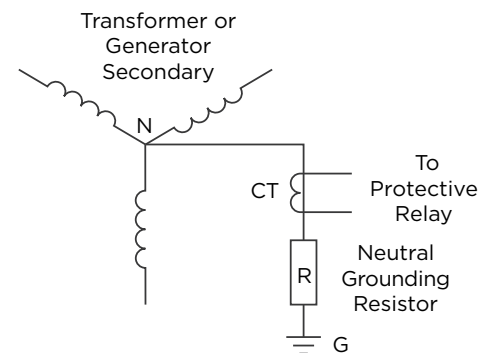
- UL and CSA listed
- Custom designs available for:
 - Class I Div II
 - High altitude
 - Seismic ratings
- Harsh & Hazardous enhancements:
 - 304/316 stainless steel
 - Powder coat finish
 - Hot-dipped galvanized finish

Other options:

- Entrance and exit bushing(s) for top or side mounted connections
- Elevating stands
- Current transformers
- Potential transformers
- External junction box with shorting terminal block
- Space heaters
- Sensing resistors
- Manual or vacuum disconnects
- Zig-zag transformers to create neutral on delta systems



Neutral Grounding Resistor Schematic



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