

NER (NEUTRAL EARTHING RESISTOR)

TECHNICAL DATA

Voltage Range: Up to 110 kV line to line systems

Power Range: Up to 5000A

Structure:

- Ambient Temperature: Up to 55°C
- Stainless-steel resistor elements
(Resistance Alloy: Stainless-steel (CrNi or CrAl))
- Current transformer (EN 61869-2)
- Bolted resistor element connections
- 2mm Hot-dip galvanized steel enclosure
- High thermal capacity to absorb high currents
- High altitude ratings
- Solid top cover sloped to prevent water accumulation

Product Standard: IEC 60137, IEC 60529, EN 10346

APPLICATION

- High-Resistance Neutral Grounding System
- Neutral Resistor Monitoring System

ADVANTAGES

- Reduce the single phase fault currents for securing each equipment in MV electrical networks,
- Reduce the transient over voltages which can occur during an earth fault, and be monitored and used to activate the earth fault relay
- Increase protection of generators, transformers and related equipments
- Reduced operation/maintenance costs
- Increase safety
- Provide simple, reliable, selective means of protection,
- Allows the use of equipment, and in particular cables with lower insulation levels than for an insulated neutral scenario
- Reduce the step voltage

