

Neutral Grounding Resistor Set for Power Systems

This neutral grounding resistor set is designed for electric power transmission and distribution systems. The reactor provides effective grounding of the neutral point, limiting fault currents during ground faults to enhance system reliability and safety.



ADDITIONAL IMAGES



Product Overview

Neutral Grounding Resistor Set

This complete neutral point grounding resistance set is engineered for power plants and industrial power systems, specifically designed for 0.22KV to 0.66KV low-voltage networks. By introducing high-resistance grounding at the neutral point, the system effectively limits arc grounding overvoltage and reduces fault currents during single-phase grounding events. This protection mechanism minimizes damage to generators, iron cores, and electrical circuits, while significantly reducing the probability of equipment burnout and unnecessary outages.

Technical Specifications

Operational Benefits

- Limits arc grounding overvoltage
- Reduces fault current during single-phase grounding
- Protects generator iron cores from burning
- Reduces mechanical pressure on circuits
- Improves power supply quality
- Prevents unnecessary tripping

Supported Voltage Range

0.22 kV, 0.38 kV, 0.66 kV

Design & Construction

Included Components

- Grounding resistor
- Protective enclosure
- Connecting hardware
- Monitoring and protection devices
- Observation window

Application Suitability

Power Plants • Industrial Distribution • Utility Networks • Low-Voltage Systems