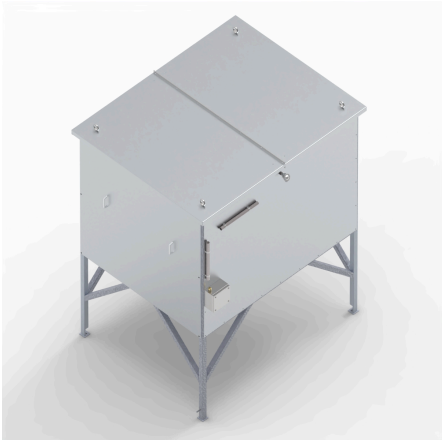
CSN® earthing resistors (NER/NGR)

DESCRIPTION



CSN® neutral earthing resistors are used for earthing in electrical distribution systems, especially in three-phase systems. In a three-phase system, the three phase conductors are normally arranged around a common point, the neutral conductor. With neutral earthing, this neutral conductor is connected to the earthing system. Earthing the neutral point has several purposes:

- Safety: Earthing the neutral conductor or the neutral point limits unwanted voltages that can occur due to asymmetrical loads or fault currents. This increases the safety of people and equipment in the vicinity of the system.
- Stability: Earthing the neutral point helps to keep the potential of the neutral conductor stable, which in turn improves the stability of the entire electrical system.
- Reduction of interference: Earthing the neutral point can help reduce interference and electromagnetic interference that may be caused by asymmetrical loads or other factors.

NER = Neutral Earthing Resistor

NGR = Neutral Grounding Resistor

TECHNISCHE DATEN