



Neutral Earthing Resistors have been used in power utilities to protect power transformer, power generators and other associated equipment against fault currents, which is normally caused from 50/60 Hz faults (short circuit) and transient phenomena (lightning switching operations).

The NER limits the ground fault current to a level (typically 50A or above) to prevent unwanted fault damage to the transformer.

PESTECH has supplied NER to both Malaysia and international market. Our NER has been fully type tested according to IEEE32 international standard and widely accepted due to reliable performance and strong commitment from our engineering team to every customer.

RESISTOR ELEMENT

The material used within our NER is a special stainless steel alloy, which are durable in harsh environments and having a low temperature coefficient and specific heat value limiting the temperature rise within 760 degree Celsius in ten second.

ENCLOSURE ELEMENT

The enclosure is made of fully galvanized 2mm mild steel plates consisting more than 98% zinc elements. A separate grounding facility is provided for the enclosure. Our NERs enclosure have been successfully tested by Malaysia SIRIM to be IP23 degree of protection suitable for indoor and outdoor use. Higher degree of protection up to IP55 can be specially designed upon request.

ANCILLARY EQUIPMENT

A special IP55 cable box can be incorporated into our NERs for power cable termination and current transformer mounting.

A 34.5kV porcelain bushing is provided for power transformer neutral connection for 33kV system whereas a 15kV porcelain bushing is provided for power transformer neutral connection for 11kV system and below.

30x6 mm tinned copper bar is used to connect individual resistors banks either in series or parallel to form the required ohmic value.

Porcelain insulators of sufficient insulation level are provided to separate the enclosure and the resistor elements to have safe operation and maintenance.



For further enquiry, please visit www.pestech.com.my or send in your enquiry to sales@pestech.com.my



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