

OHM-ISO

INSULATION FAULT CURRENT MEASUREMENT

SYSTEM DESCRIPTION

The OHM-ISO system continuously monitors insulation faults in low-voltage DC networks. The technology is based on the H-bridge principle:

- The voltage is halved via a voltage divider and, together with the input voltage, captured by measuring transducers.
- In the event of an insulation fault, the system calculates the insulation resistance and makes it available.

Additionally, differential current-based monitoring is performed for each outgoing feeder to enable precise fault localization.

ADVANTAGES

- Customized solution
- Maximum operational safety
- Fast fault diagnosis
- Monitoring of up to 500 feeders
- Transmission of fault messages to the control center

APPLICATION AREAS

- Energy providers & infrastructure
- Data centers
- Medical facilities & areas
- Industry
- Defense & disaster protection



OHM-ISO - Efficiency and Safety for Your DC Network