DEIF’s SIM insulation monitors supervise the insulation resistance between an insulated voltage distribution network and an earth/safety cable. The advanced measuring sequence performs an automatic offset adjustment to eliminate possible effects of uneven stray capacitance and DC voltages.

**General features**
- Insulation monitoring of AC networks of up to 690 V AC
- Ideal for applications with frequency converters
- Fault-finding and self-test mode
- The leakage capacitance is up to 500 μF

**Variants**
- **SIM-2**
  - Frequencies: 20 to 500 Hz
  - Capacitances: 500 to 2,000 μF
- **SIM-2 LF**
  - Frequencies: 5 to 500 Hz
  - Capacitances: 2,000 μF
- **SIM-Q**
  - Frequencies: 20 to 500 Hz
  - Capacitances: 50/500 μF
- **SIM-Q LF**
  - Frequencies: 5 to 500 Hz
  - Capacitances: 500 μF

**Variant overview**

![SIM-Q](image)
![SIM-Q LF](image)
![SIM-2](image)
![SIM-2 LF](image)

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