



Less testing effort, greater system availability

Electrical installations must be inspected at regular intervals. In many cases, this requires time-consuming insulation resistance measurements. The consequences:

- › downtime caused by de-energising the installation
- › time and labour costs associated with insulation testing
- › costs resulting from production downtime
- › de-energisation is not feasible in certain applications (e.g. servers and IT infrastructure)

According to German installation standard **DIN VDE 0105-100/A1:2017-06, Clause 5.3.3.101.0.2**, periodic insulation resistance testing may be omitted, provided that the following conditions are met:

- › A **residual current monitoring device in accordance with DIN EN 62020 (VDE 0663)** is installed.
- › The residual current monitoring (RCM) system is **operating correctly**.
- › **Continuous monitoring** is ensured.

The solution: Doepke e.Guard

Doepke e.Guard is an intelligent residual current monitoring system **compliant with DIN EN 62020 (VDE 0663) for the continuous monitoring** of electrical installations.

By using e.Guard, companies can:

- › increase system availability
- › significantly reduce inspection effort – the qualified electrician only needs to evaluate the automatically collected data
- › automatically document the recorded data
- › save time and reduce costs
- › detect changes in the condition of the installation at an early stage
- › gain valuable insights for preventive maintenance
- › improve the safety of their installations by enhancing equipment and fire protection in applications where RCCBs cannot be used because of high operational leakage currents

