



# SAFETY THROUGH PREVENTION

Intelligent residual current monitoring with e.Guard

Predictive maintenance based on system data is intended to avoid cost-intensive system failures and damage as effectively as possible.

**Doepke e.Guard** applies this concept to electrical installations. The smart system permanently monitors the residual currents in the electrical system and documents them. This eliminates the need for recurring insulation testing in accordance with DIN VDE 0105-100/A1. In addition, e.Guard uses machine learning to detect "creeping" faults at an early stage. e.Guard thus increases safety and minimises risks for companies and insurers.

## SMART HARDWARE

### Residual current monitor (RCM)

	e.Guard RCM F 025	e.Guard RCM B 025	e.Guard RCM B 035	e.Guard RCM B 070
Article no.	09346367	09344367	09344937	09344947
Mounting	DIN rail	DIN rail	using mounting plate or adapter	using mounting plate or adapter
Type of residual current	mixed frequency sensitive	AC/DC sensitive	AC/DC sensitive	AC/DC sensitive
Integrated evaluation unit	+	+	+	+
Number of frequency ranges	7	8	8	8
Responding current	up to 3 A	up to 3 A	up to 30 A	up to 30 A
Frequency range	10 to 100 kHz	0 to 100 kHz	0 to 100 kHz	0 to 100 kHz
Floating contacts	2	2	2	2
Ethernet/PoE-interface	+	+	+	+

## e.Guard-Gateway

DIN rail device (Artikelnr. 09344989)

local or cloud-based data recording, management and storage

### FLEXIBLE SOFTWARE

The e.Guard software visualises, stores and documents the recorded residual currents. Depending on the e.Guard level selected, the spectrum ranges from lean software for continuous monitoring to intelligent, self-learning complete solutions based on machine learning modules. Depending on the e.Guard level, the software runs locally or cloud-based.

### THE e.Guard LEVELS



**Safe time – utilise time:** Residual current visualisation with local software (Windows) and data recording.



**Reporting before switching:** Continuous monitoring, alerting and local data storage on the e.Guard gateway.



**Always available:** Use your software and documentation at any time and anywhere in the world - with the audit-proof e.Guard cloud



**Learning and forewarning:** Cloud based, machine learning-protected analysis of residual currents with warning system in the event of anomalies.



**The response to dynamic risks:** Individually customised solutions for the installation, incorporating additional measured variables.

### CONTACTS



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