

Electrical testing of stators for electric motors

burster



Contact

- ☎ +49-7224-645-19 or -24

Sector

- Electronics / Electrical Engineering

Product name

- RESISTOMAT® 2316

Features

- Measuring range 1 $\mu\Omega$... 200 k Ω
- Accuracy ± 0.03 % Rdg. ± 3 counts
- PLC control
- Dual-comparator for OK/NOK evaluation of the device under test
- Temperature-compensated measurement

Task

During stator manufacture, the stator wire is crimped into the connecting pin after winding. Crimping can cause wire breakage or the crimping process may not be performed correctly, resulting in a higher resistance. The crimping process requires 100% testing.

Specific Requirement

- Rapid OK/NOK evaluation of the stator
- Simultaneous testing of two separate windings in the stator
- High-speed testing of an inductive device

Solution

The RESISTOMAT® 2316 measures the resistance values using the contact pins pressed onto the stator connecting pins, thereby ensuring 100% testing.

The test equipment is controlled via the production plant PLC.

