

INSTALLATION AND MAINTENANCE GUIDELINE

FLOW PACK SLIP RING F 7370 C SERIES

This document contains instructions for the installation and maintenance of the F 7370 C series of slip ring transmitters. It is essential to read the instructions thoroughly before operating the slip ring. Adherence to the specifications stated in the data sheet is necessary to maintain warranty claims.

SAFETY INSTRUCTIONS

- **Specialist staff:** Installation and maintenance must only be carried out by trained specialist staff.
- **No current or voltage:** The system must be switched off and de-energized before maintenance and installation.
- **Decommissioning:** If safe operating conditions are no longer guaranteed or there is a risk of failure, appropriate safety measures must be taken, the slip ring must be taken out of service and secured against unintentional re-commissioning.
- **Protective components:** The slip ring must not be operated without the specified protective components, as this poses a risk to life.

INSTALLATION

- **Mounting on a shaft:** Sealing between the system shaft and the hollow shaft of the slip ring transmitter must be provided by the customer. Different installation methods require consultation with the manufacturer.
- **Drive:** The drive via the torque arm must be loose. A fixed and thus distorted installation can lead to damage and destruction of the slip ring transmitter.
- **Avoid mechanical changes:** The slip ring must not be mechanically modified or subjected to strong impacts.
- **Adherence to the data sheet limits:** The slip ring should be operated within the limits specified in the data sheet.
- **Horizontal installation:** When installed horizontally, the slip ring must be aligned so that the maintenance opening points downwards.



TECHNICAL DATA

Voltage and current

- Power lines 2x 20 A + PE, 230 V
- Data lines 0 or 2x 2 A, 24 V

Material and resistance

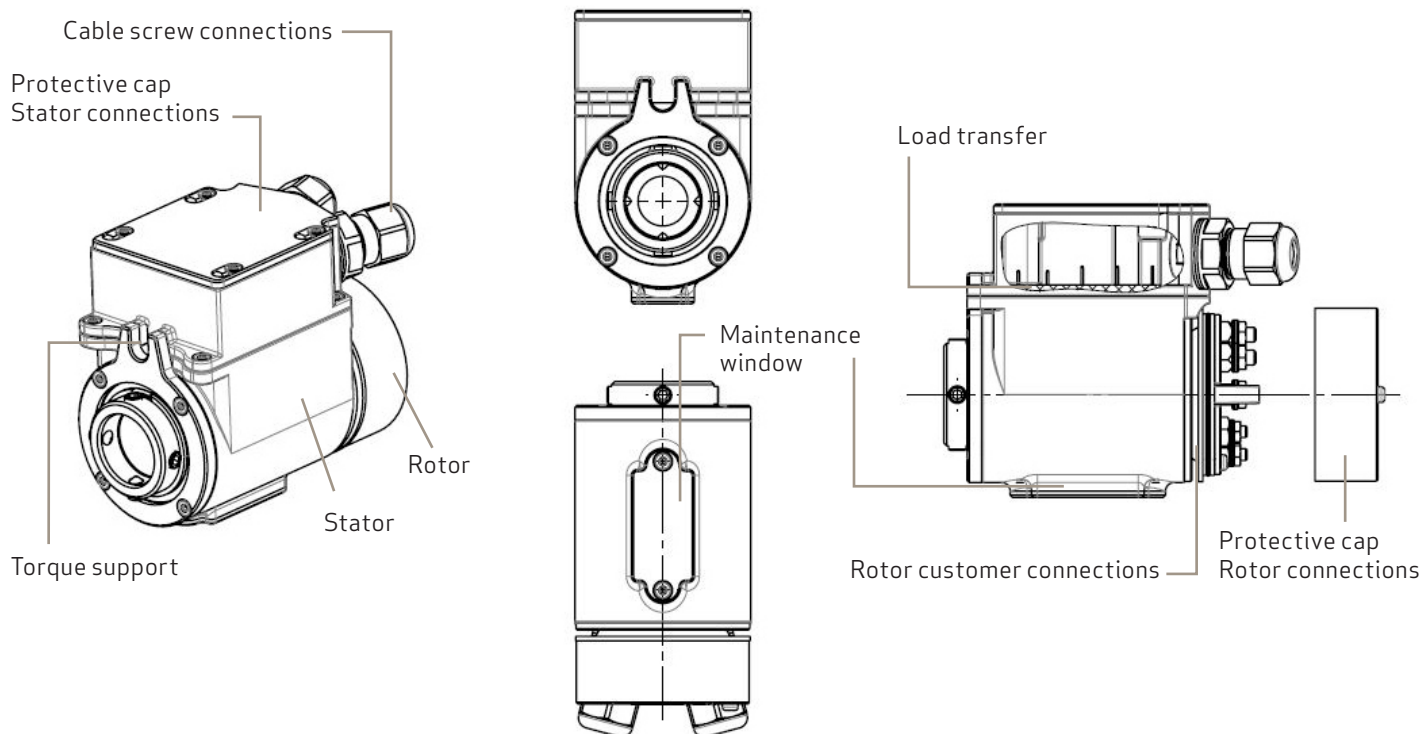
- Contact resistance 100 mOhm
- Insulation resistance 100 MOhm bei 500 V DC
- Voltage strength 1000 V eff. for 60 seconds

Operational parameters

- Maximum speed 500 rpm
- Operating temperature range from -10 to 60°C (14 to 140°F)

MAINTENANCE

- **Regular maintenance:** To ensure safety and extend the service life of the slip ring, regular maintenance is recommended.
- **Maintenance intervals:** Maintenance should be carried out after a maximum of 50 million revolutions and then every 100 million revolutions, but at least once a year.
- **Maintenance steps:** Before maintenance, the slip ring must be de-energized. Remove the maintenance cover (two screws) and vacuum the brush abrasion with a vacuum cleaner. Do not use compressed air or contact oil, as this can negatively affect the function of the slip ring or destroy it. After maintenance, reinstall the maintenance cover.



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