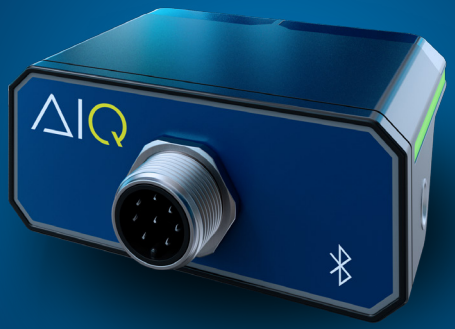
DATA SHEET

AIQ DETECT

for flexible couplings



FLENDER

PIN ASSIGNMENT (DEVICE SIDE)

1	Not connected	
2	+24 V DC	
3	Analog output (4 ... 20 mA)	Wear
4	Not connected	
5	Speedometer signal (24 V HTL)	Speed
6	Digital output (24 V 0.2 A)	Status
7	GND (ground)	
8	Custom input	



GENERAL

- IP67 protection class
- Certificates: CE/EAC
- Operating voltage 24 V DC
- Dimensions 55.5 × 54 × 24 mm

SPEED MEASUREMENT

- Magnets as pulse generators
- Hall sensor
- Digital output pin 5 (pulse signal)
- Switching frequency: 1 ... 15,000 Hz

WEAR DETECTION

- Magnets as pulse generators
- Hall sensor
- Analog output pin 3 (4 ... 20 mA)

STATUS DETECTION

- Continuous monitoring
- Integrated failure detection
- Digital output pin 6

ANALYTICS AND FUNCTIONS

- Continuous real-time monitoring of the coupling
- Detection of damaging wear conditions in the elastic elements
- Individually configured for couplings of type N-EUPEX and RUPEX
- Custom integration options for easy data utilization
- User interface in the AIQ App and AIQ Web Portal
- Alarms based on measurement data and operating parameters
- Clear recommendations for action to support efficient maintenance planning

USE CASES AND CONNECTIVITY



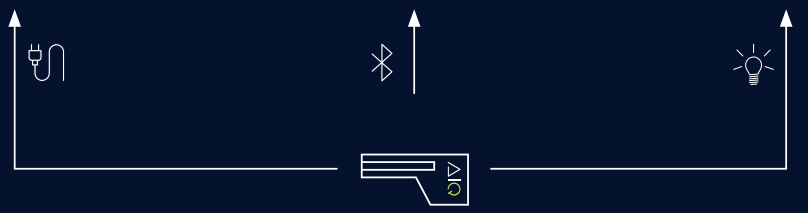
Direct connection to control system



Bluetooth connection to smartphone with AIQ App



Visual status information via LED lights



TO THE APP