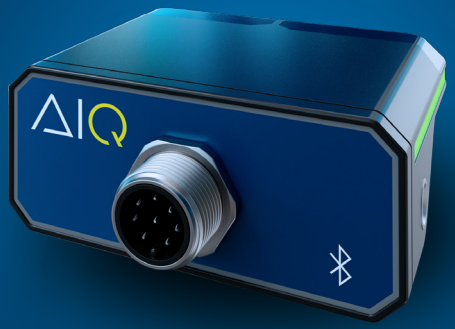
DATA SHEET

AIQ DETECT

for wind couplings

FLENDER



GENERAL

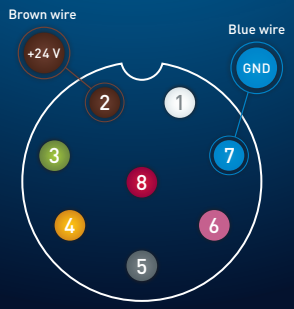
- IP67 protection class
- Certificates: CE/EAC
- Operating voltage 24 V DC
- Dimensions 55.5 × 54 × 24 mm

SPEED MEASUREMENT

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

PIN ASSIGNMENT (DEVICE SIDE)

1	Not connected	
2	+24 V DC	
3	Analog output (4 ... 20 mA)	Slip angle
4	Not connected	
5	Digital output (24 V 0,2A)	Rotation speed
6	Digital output (24 V 0,2A)	Status
7	GND (ground)	
8	Digital input 24 V	Reset/Pairing Mode



SLIP ANGLE DETECTION

- Magnets as pulse generators
- Hall sensor
- Analog output pin 3 (4 ... 20 mA)
- Detection of the slip angle

STATUS DETECTION

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

ANALYTICS AND FUNCTIONS

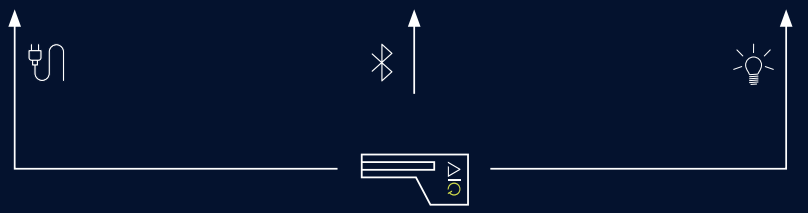
- Continuous real-time monitoring of the coupling
- Measures the speed and slip of the slip angle of the slide coupling
- Custom-configured for the specific Flender coupling in use
- Custom integration options for easy data utilization
- User interface in the AIQ App
- Alarms based on measurement data 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