



MOTOR FEEDBACK SYSTEMS FOR SERVO MOTORS

Sendix S36 Motor-Line



ROBUST DESIGN

Its robust construction makes the Sendix S36 Motor-Line particularly shock and vibration-

Mechanical robustness

- Latest mechanical gear technology
- Robust bearing structure in Safety-Lock™ Design
- Reliable connector technology
- Torque-proof stator coupling
- Wide temperature range

Premium quality perceptible in everyday operation. The robust design ensures reliable and perfect operation of your motors

even in harshest environments.

Electronic robustness

- Blue LED technology for accurate scanning and long service life
- Phased Array Sensor technology

COMPACT

Consistent size of only 36 mm for:

- All singleturn and multiturn variants
- All medium and high power ranges with a resolution \leq 2048 ppr SinCos or \leq 24 bits fully digital

(+) High-resolution and compact. Possibility to standardize the attachment between the encoder and the motor, and thus to reduce the number of motor variants. This saves space and costs.

HIGH SIGNAL QUALITY

The use of the Phased Array Sensor technology allows achieving a resolution ≤ 2048 ppr SinCos or ≤ 24 bits fully digital, ensuring in addition high signal quality also in the event of shocks and vibrations.

+ Performance increase thanks to the high resolution. The controlled servo motor shows a more stable operating behavior and produces less heat.

ALL INTERFACES

An encoder platform with all classical and all open source interfaces for the Single Cable Solution.

+ From now on, you and your customers will have maximum flexibility when selecting your preferred electrical interfaces.

FUNCTIONAL SAFETY

Certified Motor Feedback System, from the sensors, through the mechanics, up to the electrical interface.

+ Safe speed monitoring and fast acceptance for the certification of the complete system.















SHAPING THE FUTURE WITH KÜBLER

New Single Cable Solutions for the drive technology. So far, the interface was the limiting factor. This will change in the future thanks to the open source and fully digital BiSS Line and SCS open link interfaces for Motor Feedback Systems. They will allow enormous cost advantages and offer the possibility of developing smart motor concepts.



ANALYTICS FOR SMART MOTOR

Functions such as the electronic data sheet (EDS), saving customer-specific user data and the connection of additional sensors such as for example temperature sensors are available for the analytics.

A permanent condition monitoring of the motor allows detecting and correcting faults at an early stage. This leads to higher plant availability and performance improvement.

Analytics

Intelligent Sensor

HoT

Condition Monitoring

Smart Motor

Predictive Maintenance

① CONFIGURE AND REQUEST A SAMPLE NOW

 Order code
 8.S36 X 4 . X X 1 . X X X code

Version7 = singleturn

8 = multiturn

Flange

1 = with stator coupling, ø 38 mm 2 = with stator coupling, ø 40.5 mm 3 = with stator coupling, ø 42 mm

4 = with stator coupling, ø 60 mm

Shaft

1 = hollow shaft, ø 8 mm

2 = tapered shaft, ø 8 mm

① Power supply
1 = 7 ... 30 V DC

2 = 5 V DC

Type of connection

1 = PCB connector radial

Digital interface

1 = BiSS

2 = RS485 (Hiperface® 1) compatibel)

Incremental interface

1 = 1024 ppr SinCos

2 = 2048 ppr SinCos

Resolution singleturn

12 = 12 bit

15 = 15 bit

16 = 16 bit 17 = 17 bit

17 = 17 bit 19 = 19 bit

Safety technology 2) FS2 = SIL2 / PLd

FS3 = SIL3 / PLe

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