

ONE MOTOR
FEEDBACK
SYSTEM
FOR
ALL SERVO
MOTORS
AND PERFORMANCE LEVELS



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-resistant.

Mechanical robustness

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

Electronic robustness

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

- ⊕ Premium quality perceptible in everyday operation. The robust design ensures reliable and perfect operation of your motors – even in harshest environments.

COMPACT

Consistent size of only 36 mm for:

- All singleturn and multiturn variants
- All medium and high power ranges with a resolution ≤ 2048 ppr SinCos or ≤ 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.

ALL INTERFACES

An encoder platform with all common interfaces.

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

RS485 + SinCos

BISS
INTERFACE

BISS
LINE

SCS
open link

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.

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.

SIL2
Functional Safety
PLd

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.



Single Cable Solution

With the Sendix S36 Motor-Line, nothing stands in your way of smart motor concepts of the future.



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}

IIoT

Condition Monitoring
Smart Motor

Predictive Maintenance

! CONFIGURE AND REQUEST A SAMPLE NOW

Order code

8.S36.X4.XX11.XXXX.XXX
Type a b c d e f g h i²⁾

a Version
7 = singleturn
8 = multiturn (12 bits)

b Flange
1 = with stator coupling, ø 38 mm [1.50"]
4 = with stator coupling, ø 60 mm [2.36"]

c Shaft
1 = hub shaft, ø 8 mm [0.32"]²⁾
2 = tapered shaft, ø 8 mm [0.32"]

d Power supply
1 = 7 ... 30 V DC

e Type of connection
1 = PCB connector radial

f Digital interface
1 = BiSS
2 = RS485 (Hiperface®¹⁾ kompatibel)

g Incremental interface
1 = 1024 ppr SinCos
3 = none

h Resolution singleturn
 12 = 12 bits
15 = 15 bits
 16 = 16 bit
 17 = 17 bit
 19 = 19 bit

i Safety technology
FS2 = SIL2 / PLd²⁾

Optional on request
 - power supply 5 V DC
 - other stator coupling
 - 2048 ppr SinCos
 - resolution singleturn > 19 bit

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480 Employees worldwide · 4 Production plants · Presence in over 50 countries

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1) Hiperface® is a registered trademark of Sick Stegmann GmbH.
 2) On request.