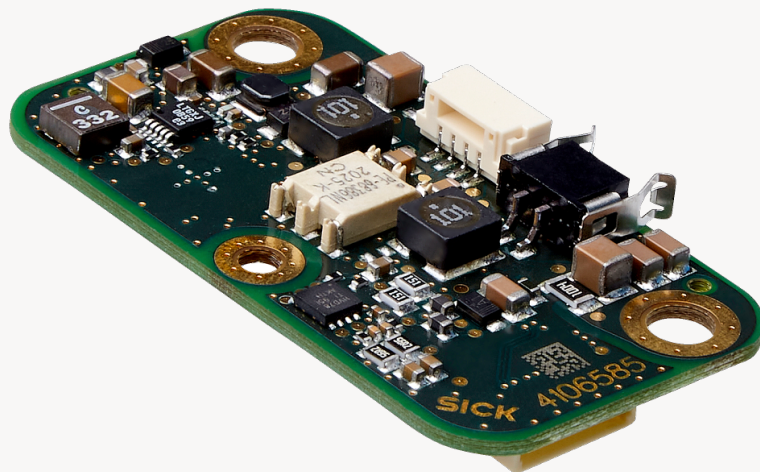


SICK.COM



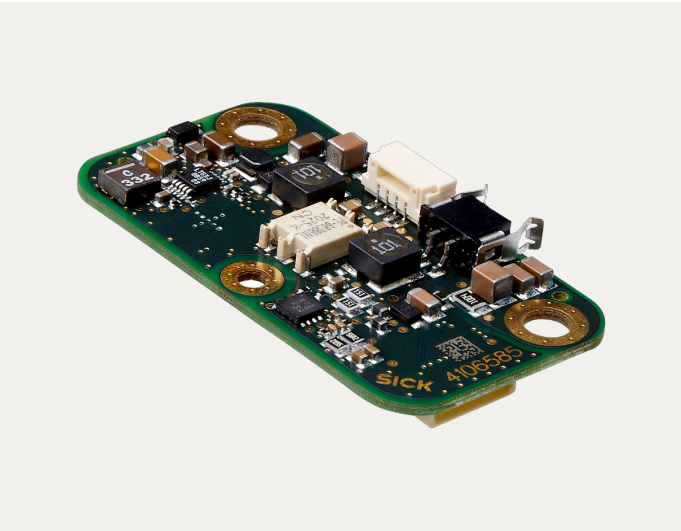
PRODUCT OVERVIEW

sCon

Motor feedback systems

SICK

Sensor Intelligence



MOTOR FEEDBACK SYSTEMS

sCon

Interface converter for converting HIPERFACE® into HIPERFACE DSL® signals

The sCon®, which is compatible with the SES/SEM70, SES/SEM90 and STS motor feedback systems from SICK, converts HIPERFACE® signals into HIPERFACE DSL® signals. The compact design of the interface converter makes it easier to integrate into the motor installation space. It also has an external temperature input for measuring the winding temperature.

sCon AT A GLANCE

BENEFITS

- Simple upgrade of the motor to a digital interface without adjusting the motor design
- Retrofit solutions in the field are possible if the surroundings of the drive change (new servo drive only with digital protocols)
- The compact design enables simple integration into the motor assembly area.
- Thanks to the external temperature input, additional temperature values can be transmitted via the HIPERFACE-DSL® protocol – additional cabling is not required

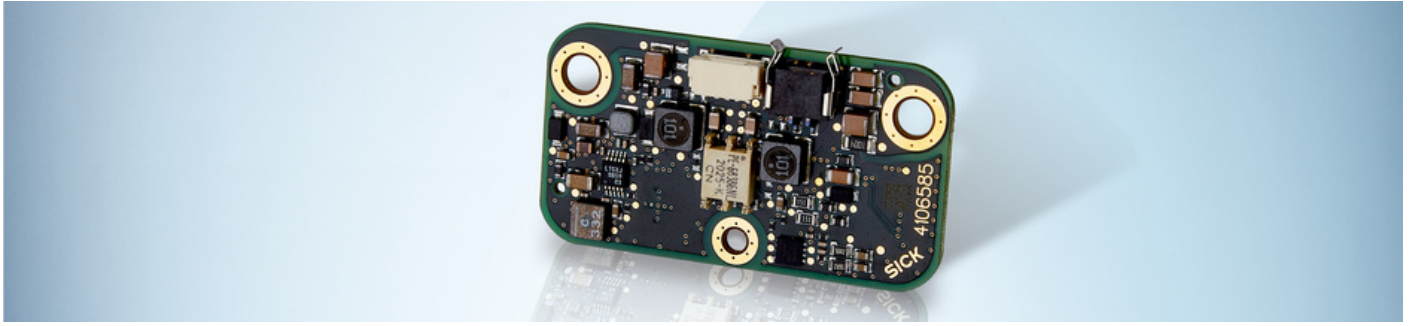
FEATURES

- Interface at output: HIPERFACE DSL®
- Voltage supply: 7 VDC ... 12 VDC
- Operating temperature range: -30 °C ... +115 °C
- Enclosure rating: IP00
- Input connector: Male connector, 8-pin
- Output connector: Male connector, 4-pin
- Additional input for external temperature connector

TECHNICAL DATA OVERVIEW

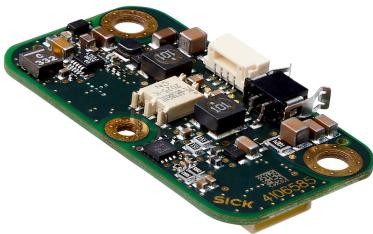
Communication interface	HIPERFACE DSL®
Safety system	-
Connection type	Male connector, 4-pin, output Male connector, 8-pin, Input

ADVANTAGES



Upgrade to a smart motor sensor with sCon®

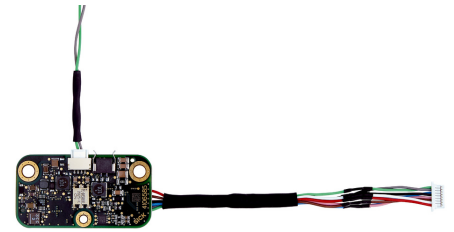
The compact sCon® interface converter converts analog HIPERFACE® signals into HIPERFACE DSL® signals without loss. One advantage of this converter is that it requires only one cable. This reduces errors during cabling as well as space requirements. With HIPERFACE DSL®, many process parameters can be transmitted for real-time diagnostics. An external temperature sensor can also be connected for Condition Monitoring. Monitoring temperature, speed, supply voltage and rotational speed provides the data basis for predictive machine maintenance and optimizes plant availability. The sCon® interface converter can be used in combination with the SES/SEM70, SES/SEM90 and STS motor feedback systems.



Retrofit in no time at all: It is possible to upgrade the SES/SEM product family to HIPERFACE DSL® at a later time without major adjustments to the motor.



Simple integration: With its space-saving design, the sCon® interface converter can be installed very well into the available motor assembly space – this makes it possible to integrate the sCon® into motors at a later time.



Simple cabling: By using existing male connectors and cables, the sCon® interface converter can be quickly and easily connected to existing HIPERFACE® devices.



Intelligent communication thanks to HIPERFACE DSL®

Data is transmitted into the drive system by the sCon® interface converter using the purely digital HIPERFACE DSL® motor feedback protocol. Only one cable is needed for the entire servo drive communication. This reduces connection costs and energy consumption as well as the amount of cables needed on site, and also creates a better overview with lower space requirements.



The HIPERFACE DSL® one cable technology saves costs, does not need much space, and is easy to implement while also offering very high investment security and machine safety.

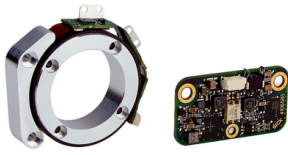
More safety thanks to the HIPERFACE DSL®: Operational safety and investment security, fault-free system operation, quick and error-free work.

Makes real-time diagnostics possible: Thanks to the digital interface, large amounts of data can be permanently analyzed via Condition Monitoring.



Retrofit solution for existing applications with HIPERFACE® interface

Thanks to the sCon® interface converter, the existing applications with HIPERFACE® interface can be quickly and easily upgraded to HIPERFACE DSL®. The interface converter can be used in combination with the SES/SEM70, SES/SEM90 and STS motor feedback systems from SICK in hollow shaft motors.



The space-saving design of the STS motor feedback system and the sCon® interface converter enables compact motor design without loss of precision.



Mechanical multiturn and HIPERFACE DSL® – the compact solution for rugged direct drives in factory automation.



If you have products with HIPERFACE® interface that you would like to use together with the sCon® interface converter, please contact us.

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.

www.sick.com/sCon



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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions.

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