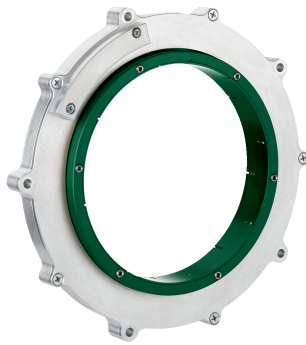


SEK160

The robust turn & play solution for direct drives with HIPERFACE® interface

SICK
Sensor Intelligence.



Technical data overview

Type	For integration
Model	Absolute Singleturn
Communication interface	HIPERFACE®
Sine/cosine periods per revolution	128
Mechanical interface	Through hollow shaft, 110 mm
Connection type	Male connector, 8-pin
Available memory area	1,792 Byte E ² PROM 2048

Product description

The trend is clear: the future belongs to compact and robust direct drives. With the SEK160 hollow-shaft motor feedback systems SICK has perfected the concept of the direct drive. The SEK160 with holistic scanning can be mounted directly onto the drive shaft without any mounting tools. A toothed belt and transmission elements such as gearbox or coupling are no longer necessary. The simplified, compact design is wear-free and hence helps to reduce maintenance costs. Since no ball bearings are used either, heat generation is drastically reduced. The minimal dimensions allow for reduced space requirements and also make the device lighter, thus allowing for efficient space utilization. The SEK160 motor feedback systems were developed specifically for direct drives and support the advantages of direct drives all along the line.

At a glance

- HIPERFACE® motor feedback systems for large hollow shaft and torque motors
- 128 sine/cosine periods per revolution
- Absolute position with a resolution of 4,096 increments per revolution
- Programming of the position value and electronic type label
- HIPERFACE® interface
- Turn & play – for simple assembly without tools
- High resistance to shock and vibration due to holistic scanning
- Bearingless motor feedback system

Your benefits

- Direct seat on the drive shaft renders transmission elements such as toothed belt or coupling superfluous
- The simplified, compact design is wear-free, thus helping to reduce maintenance costs
- Measuring accuracy is no longer affected by magnetic fields thanks to the capacitive measuring principle
- Time-saving mounting, since no mounting tools are required: simply fit it on, turn it and start
- The minimal dimensions enable you to save space and weight, allowing for a more efficient use of space.

Ordering information

Other models and accessories → www.sick.com/SEK160

- **Communication interface:** HIPERFACE®
- **Model:** Absolute Singleturn
- **Type:** for integration

Sine/cosine periods per revolution	Mechanical design	Connection type	Operating temperature range	Type	Part no.
128	Through hollow shaft	Male connector, 8-pin	-30 °C ... +115 °C	SEK160-HN110AK02	1038272

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com