

IT'S THE INTERNAL VALUES THAT COUNT

SOLUTIONS FOR DRIVE TECHNOLOGY IN ROBOTICS

Smart Motor Sensors

SICKSensor Intelligence.



SICK MOTOR FEEDBACK SYSTEMS

Precise, reliable, and suitable for every type of robot

Types of robot Recommended Product features







products

Motor feedback system EEM37



- Motor feedback system with HIPERFACE DSL® interface
- Compact design with 36 mm diameter
- 17-bit resolution per revolution + 12-bit multiturn
- SIL2 / PLd certified
- Usage chart

Your benefits

- · Cabling is reduced by half due to One Cable Technology
- Facilitates compact robot designs
- Enhanced diagnostics due to electronic type label and usage chart





Motor feedback system SEM70 / 90

At a glance

- HIPERFACE® motor feedback system for large hollow shaft and torque motors
- 64 sine/cosine periods per revolution + 12-bit multiturn
- Flat design 24 mm high

Your benefits

- Hollow shaft enables cables to be routed internally for collaborative robots
- No battery maintenance due to mechanical multiturn



Additional information



Articulatedarm robots

Linear robots (Cartesian)



Motor feedback system TTK50 / TTK70

At a glance

- Absolute, non-contact, wear-free length measurement system for linear motors
- Measuring lengths of up to 4 m
- Suitable for high traversing speeds of up to 10 m/s
- Reliable determination of positions, even in the event of contamination and condensation on the magnetic tape

Your benefits

- No need for a reference run due to the absolute measurement system
- Maintenance-free thanks to the non-contact measurement principle
- Simple system integration as a result of the HIPERFACE® interface





SCARA robots



Motor feedback system SEM70 / 90

At a glance

- HIPERFACE® motor feedback system for large hollow shaft and torque motors
- 64 sine/cosine periods per revolution + 12-bit multiturn
- Flat design 24 mm high

Your benefits

- Hollow shaft enables cables to be routed internally for collaborative robots
- · No battery maintenance due to mechanical multiturn





DELTA robots



Motor feedback system EEM37

At a glance

- Motor feedback system with HIPERFACE DSL® interface
- · Compact design with 36 mm diameter
- 17-bit resolution per revolution + 12-bit multiturn
- SIL2 / PLd certified
- Usage chart

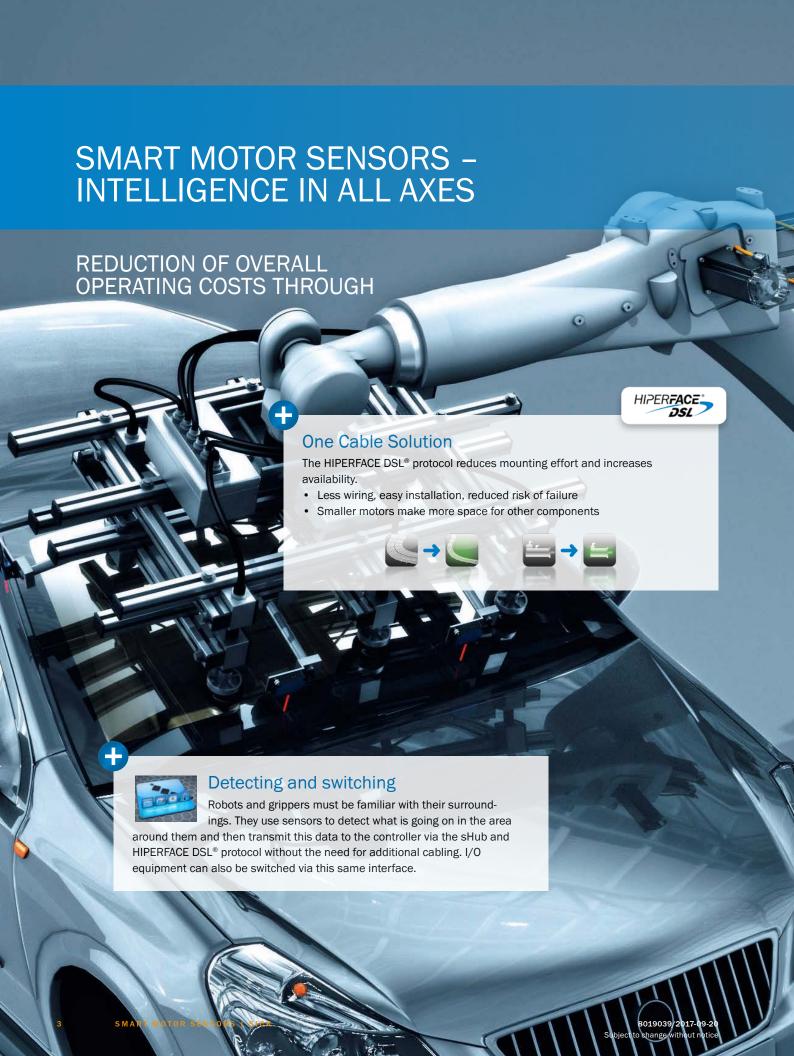
Your benefits

- Cabling is reduced by half due to One Cable Technology
- Facilitates compact robot designs
- Enhanced diagnostics due to electronic type label and usage chart



SMART MOTOR SENSORS - INTELLIGENCE IN ALL AXES







SICK AT A GLANCE

SICK is a leading manufacturer of intelligent sensors and sensor solutions for industrial applications. With more than 8,000 employees and over 50 subsidiaries and equity investments as well as numerous agencies worldwide, we are always close to our customers. 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 various 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 round out 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:

Australia, Austria, Belgium, Brazil, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Hong Kong, India, Israel, Italy, Japan, Malaysia, Mexico, Netherlands, New Zealand, Norway, Poland, Romania, Russia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand, Turkey, United Arab Emirates, USA, Vietnam.

Detailed addresses and further locations → www.sick.com

