

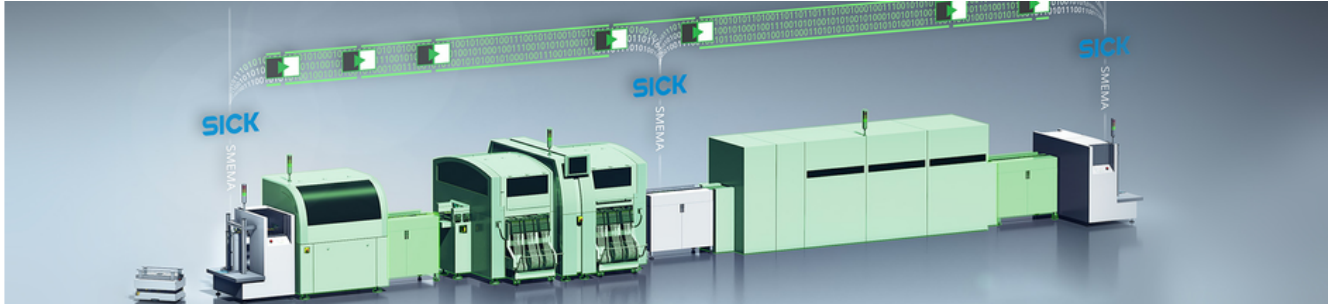


Hermes Standard Solutions

Implementation of the Hermes Standard made easy

SICK
Sensor Intelligence.

Advantages

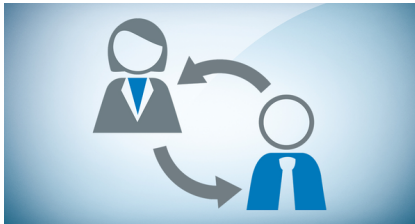


SICK is a reliable partner for implementation of the Hermes Standard

With our Hermes Standard Solutions, we offer complete solutions that integrate your machines into the Hermes Standard. From consulting on the required components and installation to after-sales service, SICK provides you with all the products and services you need to plan and implement these solutions. You can either install them yourself after a short briefing, or one of the SICK global sales and service units can do it for you. We consult you at your site anywhere in the world to help you implement your individualized application solutions.



SICK offers all the necessary components and associated services for this purpose.



As a member of the Hermes Standard Initiative and an established sensor supplier, we can provide you with expert assistance for integration of the Hermes Standard.



Our global sales and service units make sure the installation and maintenance of your solution runs smoothly.



With the reliable and scalable Hermes Standard Solution from SICK, you can seamlessly integrate machines with SMEMA interfaces into printed circuit board assembly lines in which machines with Hermes interfaces also operate.

Intuitive user interface for flexible configuration

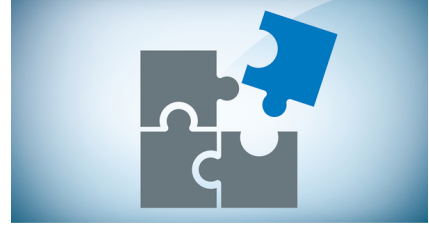
The Hermes Standard Solutions are based on the SensorApps from SICK. These can be flexibly configured for your application in an intuitive, web-based user interface. The SICK AppSpace eco-system makes adapting and extending the SensorApp functions to meet your specific requirements quick and easy. The solutions enable you to integrate SICK identification devices to capture board and magazine IDs and deliver this information to the Hermes protocol. This ensures traceability and transparency in your production processes.



Simple and flexible configuration of the application using an intuitive web-based user interface



Optional integration of identification devices into the Hermes communication network.



Customer-specific adaptations and extensions such as support for vertical communication protocols



Maximum flexibility and an intuitive operating concept makes it possible to equip a wide variety of machine types with the Hermes Standard.



Technical data overview

Task	Conversion from Hermes to ELS for the upstream connection, and conversion from ELS to Hermes for the downstream connection. Conversion of SMEMA N+1 and SMEMA N-1 signals according to IPC-SMEMA-9851 to IPC-Hermes-9852 upstream and downstream messages. (depending on type)
Language	English
Supported products	SIM1012 SICK AppEngine (x64) (depending on type)
Minimum screen resolution	1,366 px x 768 px
Supported browsers	Google Chrome (version 49 or higher)
Hermes version	Hermes Standard IPC-Hermes-9852 Version 1.2

Product description

The Hermes Standard, listed under IPC-HERMES-9852, is a modern machine-to-machine communication protocol customized for printed circuit board assembly lines. On the road to creating Industry 4.0 factories, the Hermes protocol is an elementary component which the previous SMEMA standard interface was not able to implement. Continuous use of the Hermes Standard enables greater automation of line controllers as well as consistent traceability of printed circuit boards. With Hermes SMEMA Connect, SICK is offering a scalable solution for retrofitting machines with SMEMA interface so that they can operate together with machines with Hermes interfaces in printed circuit board assembly lines.

At a glance

- Transmission of SMEMA signals into Hermes messages
- Manufacturer-independent integration of machines with SMEMA interfaces into Hermes lines
- Integration of identification sensors for the acquisition and provision of board IDs and magazine IDs
- Vertical communication via IPC-CFX, MQTT, OPC UA, REST on request
- Browser-based human machine interface for configuring applications

Your benefits

- Simple and manufacturer-independent integration of machines with SMEMA interfaces into the Hermes Standard
- Reduced investment costs for a line upgrade from SMEMA to the Hermes Standard
- Intuitive user interface for easy and flexible configuration of Hermes communication
- Customization and expansion thanks to flexible hardware and SensorApp concept
- High industrial suitability of the hardware components

Fields of application

- Printed circuit board placement lines

Ordering information

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

- **Product family:** Hermes Standard Solutions
- **Application:** Operations

Type	Part no.
Hermes ELS Connect	1122749
Hermes SMEMA Connect	1615472

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