



Safety hardware design

Standard-compliant specifications of safety-related parts of controllers

CONSULTING AND DESIGN

SICK
Sensor Intelligence.



Product description

Based on a safety concept, safety experts from SICK create detailed specifications of the safety-related parts of controllers. The specifications form the basis for implementation of the planned safety solution and contain both the selection and connection of suitable safety components as well as the definition of required diagnostic measures. The quantitative calculation of the achieved performance level (PL) provides proof of the fulfilled normative requirements. Other required aspects such as the calculation of safety distances and stopping times as well as the detailed dimensioning of physical guards round out the specifications of the hardware design.

At a glance

- Efficient safety hardware design including selection and connection of suitable safety-related controller parts
- Identification of the achieved performance level (PL)
- Dimensioning of physical guards
- Calculation of stopping times and the required safety distances

Your benefits

- The safety hardware design from SICK provides you with detailed specifications for the efficient design of safety solutions
- You receive technical documentation, thus fulfilling the normative requirements
- Benefit from standardized procedures that ensure efficient hardware designs of the same quality worldwide
- You receive a safety solution individually tailored to your work processes, with the aim of increasing the productivity of your machine
- Rely on the many years of expertise of our safety experts and save valuable time so you can focus on your core business

Ordering information

Additional services → www.sick.com/Safety_hardware_design

Product area	Machine life cycle	Range of services	Type	Part no.
Industrial Safety	Construction, Modernization	Efficient safety hardware design including selection and connection of suitable safety-related controller parts, Identification of the achieved performance level (PL), Dimensioning of physical guards, Calculation of stopping times and the required safety distances	Safety hardware design	On request

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