



# Refresher training: Standards and guidelines for functional safety – Expert

Safety competence trainings

TRAINING AND EDUCATION

**SICK**  
Sensor Intelligence.

# Refresher training: Standards and guidelines for functional safety – Expert | Safety competence trainings

## TRAINING AND EDUCATION



### Ordering information

| Type                                                                        | part no. |
|-----------------------------------------------------------------------------|----------|
| Refresher training: Standards and guidelines for functional safety – Expert | 1615679  |

Other models and accessories → [www.sick.com/Safety\\_competence\\_trainings](http://www.sick.com/Safety_competence_trainings)

### Detailed technical data

#### Features

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>             | You are an expert in functional safety and would like to stay up-to-date with the latest standardization and legal requirements for the functional safety of machines and systems? Discuss current functional safety issues in the framework of standard series ISO 13849-1/-2 in a panel of experts. Expand your expertise and remain up-to-date in order to correctly implement the specifications of the Machinery Directive 2006/42 / EC and the Ordinance on Industrial Health and Safety (BetrSichV) now and in the future. |
| <b>At a glance</b>             | Refresh your knowledge of legal and standard compliance requirements for functional safety<br>Get assistance in extending the TÜV certificate with this refresher training, for which you also receive a certificate                                                                                                                                                                                                                                                                                                              |
| <b>Your benefits</b>           | Legal basis<br>Implementation of standard compliance requirements<br>Software requirements<br>Validation                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Objectives</b>              | The participants are familiar with the current requirements of the standards on functional safety and fulfill the relevant criteria.<br>The participants can assess unanswered questions in the field of functional safety in line with standards and take the necessary steps for evaluation and documentation.                                                                                                                                                                                                                  |
| <b>Attendance type</b>         | Online                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Training format</b>         | Virtual Classroom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Class size</b>              | Maximum 8 trainees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Duration</b>                | 1 day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Level</b>                   | Expert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Target audience</b>         | Designers<br>Developers<br>Application engineers<br>Safety officers<br>System integrators                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Available languages</b>     | German                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Certificate</b>             | SICK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Prerequisites</b>           | Participation in the Certified Functional Safety Application Expert (CFSAE) or Certified Functional Safety Application Technician (CFSAT) qualification program or other functional safety training programs                                                                                                                                                                                                                                                                                                                      |
| <b>Technical prerequisites</b> | PC or laptop with a current web browser and an Internet connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

#### Classifications

|                     |          |
|---------------------|----------|
| <b>ECLASS 5.0</b>   | 25250708 |
| <b>ECLASS 5.1.4</b> | 25250708 |
| <b>ECLASS 6.0</b>   | 25250708 |
| <b>ECLASS 6.2</b>   | 25250708 |
| <b>ECLASS 7.0</b>   | 25250708 |

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| <b>ECLASS 8.0</b>  | 25250708 |
| <b>ECLASS 8.1</b>  | 25250708 |
| <b>ECLASS 9.0</b>  | 25250708 |
| <b>ECLASS 10.0</b> | 25250708 |
| <b>ECLASS 11.0</b> | 25250708 |
| <b>ECLASS 12.0</b> | 25250708 |
| <b>ETIM 6.0</b>    | EC003015 |
| <b>ETIM 7.0</b>    | EC003015 |
| <b>ETIM 8.0</b>    | EC003015 |

## 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](http://www.sick.com)