

# Safe HRC systems, human-robot collaboration – Advanced

Safety competence trainings

TRAINING AND EDUCATION

**SICK**  
Sensor Intelligence.

### Ordering information

| Type                                                   | part no. |
|--------------------------------------------------------|----------|
| Safe HRC systems, human-robot collaboration – Advanced | 1615501  |

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

### Detailed technical data

#### Features

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>             | Industrial robots and people in the same working area? In fact, more and more applications in which robots are intended to support people working in the same work process are arising. This requires that people and machines should be able to work cooperatively or collaboratively in a small space without having to be separated by physical guards. What requirements need to be fulfilled for contact between people and robots to ensure that work is carried out safely? This online seminar shows what is needed for this cooperation to function well. |
| <b>At a glance</b>             | Knowledge of the normative requirements for “Collaborating robots” in accordance with ISO 10218-2<br>Requirements on the technical measures<br>Risk assessment for robot systems<br>Design requirements and protective measures                                                                                                                                                                                                                                                                                                                                    |
| <b>Your benefits</b>           | Implement normative requirements safely<br>Safe collaboration between humans and robots                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Objectives</b>              | Getting to know and being able to incorporate the principles and concepts of the robot standard EN ISO 10218-2                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Attendance type</b>         | Online                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Training format</b>         | Virtual Classroom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Class size</b>              | Maximum 15 trainees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Duration</b>                | 1 day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Level</b>                   | Advanced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Target audience</b>         | Designers<br>Planners<br>Developers<br>Safety officers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Available languages</b>     | German                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Certificate</b>             | SICK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Prerequisites</b>           | Basic knowledge of safety technology (types of protective devices, risk assessment, control knowledge)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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 |
| <b>ECLASS 8.0</b>   | 25250708 |
| <b>ECLASS 8.1</b>   | 25250708 |

|             |          |
|-------------|----------|
| ECLASS 9.0  | 25250708 |
| ECLASS 10.0 | 25250708 |
| ECLASS 11.0 | 25250708 |
| ECLASS 12.0 | 25250708 |
| ETIM 6.0    | EC003015 |
| ETIM 7.0    | EC003015 |
| ETIM 8.0    | 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)