



# CODE-LOC

APPLICATION SOFTWARE

**SICK**  
Sensor Intelligence.



## Ordering information

| Type     | part no. |
|----------|----------|
| CODE-LOC | 1132922  |

Other models and accessories → [www.sick.com/CODE-LOC](http://www.sick.com/CODE-LOC)

## Detailed technical data

### Features

|                                |                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Task</b>                    | Localizing, navigating and guiding - Localizing<br>Localizing, navigating and guiding - Guiding<br>Determining position - 2D position determination         |
| <b>Application</b>             | Localization of automated guided vehicles based on 2D codes on the ground (e.g. for goods-to-person, block storage and sorting applications in large halls) |
| <b>Product category</b>        | Embedded software                                                                                                                                           |
| <b>Output data</b>             | Position (x, y, direction angle), for details see operating instructions                                                                                    |
| <b>Language</b>                | English                                                                                                                                                     |
| <b>Type</b>                    | Stand-alone                                                                                                                                                 |
| <b>Version</b>                 | 1.0                                                                                                                                                         |
| <b>Supported products</b>      | GLS611<br>GLS100<br>SIM1000 FX<br>Virtual Line Navigation<br>Controller (IPC): x86-64, ARM                                                                  |
| <b>Vertragstyp</b>             | Software product, one-time payment                                                                                                                          |
| <b>Speed</b>                   | ≤ 4 m/s, translatory<br>≤ 90 °/s, rotatory                                                                                                                  |
| <b>Position output</b>         | At up to 66 Hz                                                                                                                                              |
| <b>Localization resolution</b> | 1 mm, position <sup>1)</sup><br>0.001°, orientation <sup>1)</sup>                                                                                           |
| <b>Localization accuracy</b>   | Typ. 10 mm, position<br>Typ. 1 mm, On codes<br>Typ. < 0.25°, orientation<br>Depending on the quality of the odometry                                        |
| <b>Odometry support</b>        | Wheel odometry or LiDAR odometry must be integrated.                                                                                                        |

<sup>1)</sup> The resolution refers to the output localization result via result port and not to the connected sensor's measurement resolution.

### Classifications

|                   |          |
|-------------------|----------|
| <b>ECLASS 6.2</b> | 19211201 |
| <b>ECLASS 7.0</b> | 19211201 |
| <b>ECLASS 8.0</b> | 19211201 |

|                       |          |
|-----------------------|----------|
| <b>ECLASS 8.1</b>     | 19211201 |
| <b>ECLASS 9.0</b>     | 19211201 |
| <b>ECLASS 10.0</b>    | 19211201 |
| <b>ECLASS 11.0</b>    | 19211201 |
| <b>ECLASS 12.0</b>    | 19211201 |
| <b>ETIM 5.0</b>       | EC000809 |
| <b>ETIM 6.0</b>       | EC000809 |
| <b>ETIM 7.0</b>       | EC000809 |
| <b>ETIM 8.0</b>       | EC000809 |
| <b>UNSPSC 16.0901</b> | 25173100 |

## 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)