



1000  
deTec

SAFETY LIGHT CURTAINS

**SICK**  
Sensor Intelligence.



Illustration may differ

## Ordering information

| Functions | System connection         | Extension connection | Type | Part no. |
|-----------|---------------------------|----------------------|------|----------|
| SP1       | Male connector M12, 5-pin | No                   | 1000 | 2076832  |

The system plug is suitable for deTec and deTem. Additional information can be found in the technical data.

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



## Detailed technical data

### Features

|                       |             |
|-----------------------|-------------|
| <b>System part</b>    | System plug |
| <b>Function range</b> | SP1         |
| <b>Items supplied</b> | System plug |

### Functions

|                                                            |   |
|------------------------------------------------------------|---|
| <b>Protective operation</b>                                | ✓ |
| <b>Automatic calibration of the protective field width</b> | ✓ |

### Interfaces

|                                                                                     |                                                                                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>System connection</b>                                                            | Male connector M12, 5-pin                                                                                 |
| <b>Extension connection</b>                                                         | No                                                                                                        |
| <b>Configuration method</b>                                                         | DIP switch                                                                                                |
| <b>Fieldbus, industrial network</b><br>Integration via Flexi Soft safety controller | CANopen <sup>1)</sup><br>DeviceNet™<br>EtherCAT®<br>EtherNet/IP™<br>Modbus TCP<br>PROFIBUS DP<br>PROFINET |

<sup>1)</sup> For additional information on Flexi Soft → [www.sick.com/Flexi\\_Soft](http://www.sick.com/Flexi_Soft).

### Electrical data

|                                     |                             |
|-------------------------------------|-----------------------------|
| <b>Protection class</b>             | III (IEC 61140)             |
| <b>Supply voltage V<sub>S</sub></b> | 24 V DC (19.2 V ... 28.8 V) |
| <b>Ripple</b>                       | ≤ 10 %                      |

### Ambient data

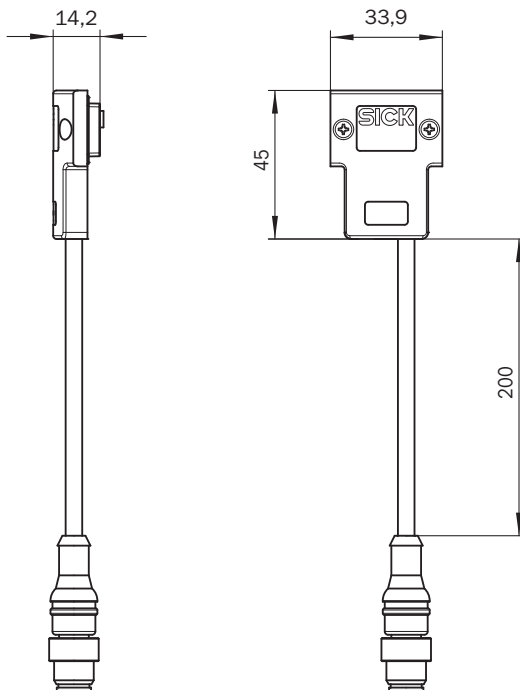
|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Ambient operating temperature</b> | -30 °C ... +55 °C                    |
| <b>Storage temperature</b>           | -30 °C ... +70 °C                    |
| <b>Air humidity</b>                  | 15 % ... 95 %, Non-condensing        |
| <b>Vibration resistance</b>          | 5 g, 10 Hz ... 55 Hz (IEC 60068-2-6) |

|                         |                              |
|-------------------------|------------------------------|
| <b>Shock resistance</b> | 10 g, 16 ms (IEC 60068-2-27) |
|-------------------------|------------------------------|

## Classifications

|                       |          |
|-----------------------|----------|
| <b>ECI@ss 5.0</b>     | 27272704 |
| <b>ECI@ss 5.1.4</b>   | 27272704 |
| <b>ECI@ss 6.0</b>     | 27272704 |
| <b>ECI@ss 6.2</b>     | 27272704 |
| <b>ECI@ss 7.0</b>     | 27272704 |
| <b>ECI@ss 8.0</b>     | 27272704 |
| <b>ECI@ss 8.1</b>     | 27272704 |
| <b>ECI@ss 9.0</b>     | 27272704 |
| <b>ECI@ss 10.0</b>    | 27272704 |
| <b>ECI@ss 11.0</b>    | 27272704 |
| <b>ETIM 5.0</b>       | EC002549 |
| <b>ETIM 6.0</b>       | EC002549 |
| <b>ETIM 7.0</b>       | EC002549 |
| <b>UNSPSC 16.0901</b> | 46171620 |

## Dimensional drawing (Dimensions in mm (inch))



## Recommended accessories

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

|                                                                                   | Brief description                                                                                     | Type               | Part no. |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------|----------|
| Distributors                                                                      |                                                                                                       |                    |          |
|  | Head A: female connector, M12, 5-pin, A-coded<br>Head B: male connector, M12, 5-pin, A-coded<br>5-pin | DSC-1205T000025KM0 | 6030664  |

## 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)