



1000  
deTec

SAFETY LIGHT CURTAINS

**SICK**  
Sensor Intelligence.



Illustration may differ

## Ordering information

System plugs for deTec4, deTec4 HG, deTec4 Ex II 3GD

Functions	System connection	Extension connection	Type	Part no.
SP1	Male connector M12, 5-pin	Without extension connection	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
PIN assignment	See table in "Pin assignment" graphic
Length of cable	200 mm
Cable diameter	5 mm
<b>Extension connection</b>	-
<b>Configuration method</b>	DIP switch

### Electrical data

<b>Protection class</b>	III (IEC 61140)
<b>Supply voltage <math>V_s</math></b>	24 V DC (19.2 V ... 28.8 V)
<b>Ripple</b>	≤ 10 %

### Ambient data

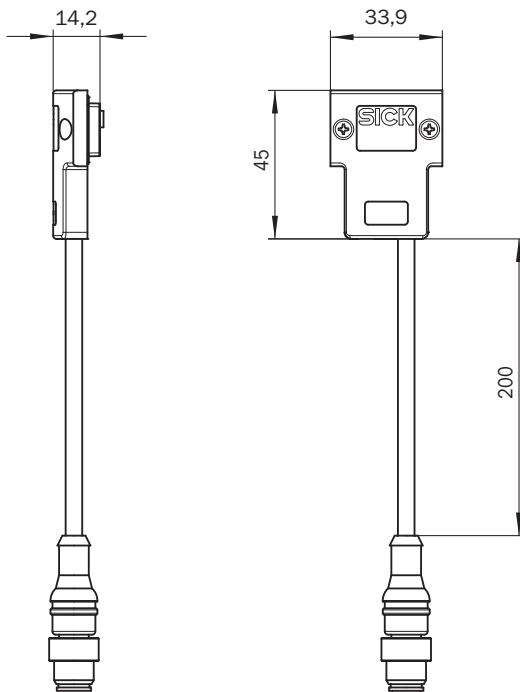
<b>Ambient operating temperature</b>	-30 °C ... +55 °C
<b>Storage temperature</b>	-30 °C ... +70 °C
<b>Air humidity</b>	15 % ... 95 %, Non-condensing
<b>Vibration resistance</b>	5 g, 10 Hz ... 55 Hz (IEC 60068-2-6)
<b>Shock resistance</b>	10 g, 16 ms (IEC 60068-2-27)

### Classifications

<b>ECLASS 5.0</b>	27272704
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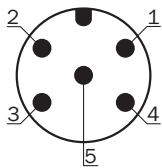
<b>ECLASS 5.1.4</b>	27272704
<b>ECLASS 6.0</b>	27272704
<b>ECLASS 6.2</b>	27272704
<b>ECLASS 7.0</b>	27272704
<b>ECLASS 8.0</b>	27272704
<b>ECLASS 8.1</b>	27272704
<b>ECLASS 9.0</b>	27272704
<b>ECLASS 10.0</b>	27272704
<b>ECLASS 11.0</b>	27272704
<b>ECLASS 12.0</b>	27272704
<b>ETIM 5.0</b>	EC002549
<b>ETIM 6.0</b>	EC002549
<b>ETIM 7.0</b>	EC002549
<b>ETIM 8.0</b>	EC002549
<b>UNSPSC 16.0901</b>	46171620

Dimensional drawing (Dimensions in mm (inch))



## Pin assignment

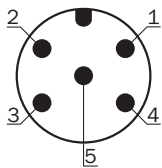
deTem4 A/P system connection



Pin	Active unit
1	+24 V DC
2	OSSD1
3	0 V DC
4	OSSD2
5	N. c.

For details see operating instructions

deTec4 system connection




Pin	Sender	Receiver
1	+24 V DC	+24 V DC
2	In2 Laser alignment aid button	OSSD1
3	0 V DC	0 V DC
4	In1 Laser alignment aid switch	OSSD2
5	MFP1	MFP1

For details see operating instructions

## Recommended accessories

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

Brief description	Type	Part no.
Distributors		
 <ul style="list-style-type: none"> <li>• <b>Connection type head A:</b> Female connector, M12, 5-pin, A-coded</li> <li>• <b>Connection type head B:</b> Male connector, M12, 5-pin, A-coded</li> <li>• <b>Connection type head C:</b> Female connector, M12, 5-pin, A-coded</li> <li>• <b>Description:</b> T-piece for simultaneous connection to sender and receiver, splits the cable from the control cabinet to the sender and receiver</li> <li>• <b>Note:</b> 5-pin</li> </ul>	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)