



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



Detailed technical data

Features

| | |
|-----------------------|-------------|
| System part | System plug |
| Function range | SP1 |
| Items supplied | System plug |

Functions

| | |
|--|---|
| Protective operation | ✓ |
| Automatic calibration of the protective field width | ✓ |

Interfaces

| | |
|--|---|
| System connection | Male connector M12, 5-pin |
| PIN assignment | See table in "Pin assignment" graphic |
| Length of cable | 200 mm |
| Cable diameter | 5 mm |
| Extension connection | – |
| Configuration method | DIP switch |
| Fieldbus, industrial network | |
| Integration via Flexi Soft safety controller | CANopen ¹⁾ DeviceNet™ EtherCAT® EtherNet/IP™ Modbus TCP PROFIBUS DP PROFINET |

¹⁾ For additional information on Flexi Soft -> SICK website.

Electrical data

| | |
|-------------------------------------|-----------------------------|
| Protection class | III (IEC 61140) |
| Supply voltage V_s | 24 V DC (19.2 V ... 28.8 V) |
| Ripple | ≤ 10 % |

Web: <https://www.bolenscontrol.com/> - Phone: (800) 658-5241 - Email: sales@bolenscontrol.com

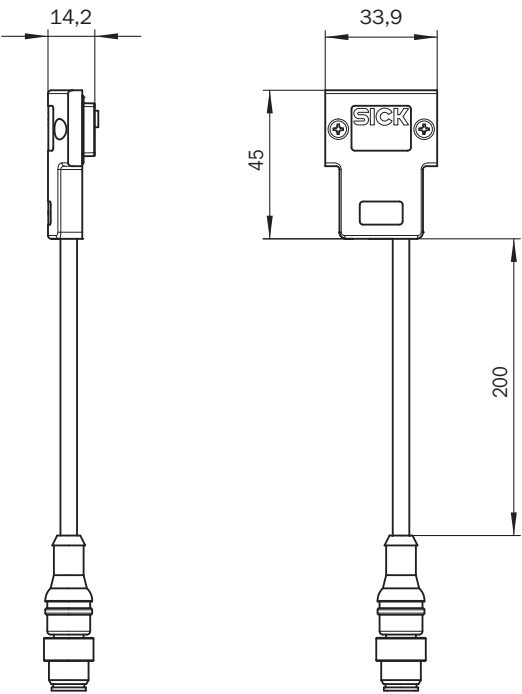
Ambient data

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

Classifications

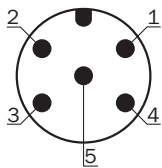
| | |
|-----------------------|----------|
| ECI@ss 5.0 | 27272704 |
| ECI@ss 5.1.4 | 27272704 |
| ECI@ss 6.0 | 27272704 |
| ECI@ss 6.2 | 27272704 |
| ECI@ss 7.0 | 27272704 |
| ECI@ss 8.0 | 27272704 |
| ECI@ss 8.1 | 27272704 |
| ECI@ss 9.0 | 27272704 |
| ECI@ss 10.0 | 27272704 |
| ECI@ss 11.0 | 27272704 |
| ECI@ss 12.0 | 27272704 |
| ETIM 5.0 | EC002549 |
| ETIM 6.0 | EC002549 |
| ETIM 7.0 | EC002549 |
| ETIM 8.0 | EC002549 |
| UNSPSC 16.0901 | 46171620 |

Dimensional drawing (Dimensions in mm (inch))



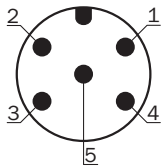
Pin assignment

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 |

| Pin | Sender | Receiver |
|--|-----------------------------------|----------|
| 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 →

| | Brief description | Type | Part no. |
|---|---|--------------------|----------|
| Distributors | | | |
|  | Head A: female connector, M12, 5-pin, A-coded Head B: male connector, M12, 5-pin, A-coded 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."

SICK
Sensor Intelligence.