

YF2B25-050IB1XLEAX

Industrial Ethernet cables and fieldbus cables

PLUG CONNECTORS AND CABLES





Ordering information

| Туре | Part no. |
|--------------------|----------|
| YF2B25-050IB1XLEAX | 2109198 |

Other models and accessories -> www.sick.com/Industrial_Ethernet_cables_and_fieldbus_cables

Detailed technical data

Technical specifications

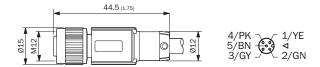
| Accessory family Connecting cables | reenmear opeemearene | |
|--|-------------------------------|---|
| Connection type head A Female connector, M12, 5-pin, straight, B-coded Connection type head B Flying leads Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Proag chain operation > 15 x cable diameter Parageneral voltage 5.000,000 Reference voltage 5 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration \$ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 | Accessory group | Plug connectors and cables |
| Connection type head B Flying leads Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius > 15 x cable diameter Drag chain operation > 15 x cable diameter Porag chain operation > 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Amblent operating temperature | Accessory family | Connecting cables |
| Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Drag chain operation > 15 x cable diameter Drag chain operation > 15 x cable diameter Perference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature | Connection type head A | Female connector, M12, 5-pin, straight, B-coded |
| Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use base base base base base base base ba | Connection type head B | Flying leads |
| Connector color Locking nut material Zinc die-cast, nickel-plated Zinc die cast, nickel-plated Zinc die | Locking plug connector | Screw connection |
| Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 km Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Drag chain operation Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traverling speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP85/ IP67 | Connector material | TPU |
| Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Drag chain operation Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Amblent operating temperature | Connector color | Black |
| Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius > 15 x cable diameter Drag chain operation > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature | Locking nut material | Zinc die-cast, nickel-plated |
| Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius > 15 x cable diameter Prag chain operation > 15 x cable diameter Prag chain operation > 15 x cable diameter Signal type ≤ 60 V AC/DC Current loading 4 mA Traverling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Amblent operating temperature | Tightening torque | 0.4 Nm |
| Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius > 15 x cable diameter Prag chain operation > 15 x cable diameter Drag chain operation > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature | Cable | 5 m, 5-wire, PUR |
| Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius > 15 x cable diameter Drag chain operation > 15 x cable diameter Poolong cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 | Jacket material | PUR |
| Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use paration operation > 15 x cable diameter Drag chain operation > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature IP65/ IP67 | Jacket color | Green |
| Shielding Shielded Bending radius > 15 x cable diameter Drag chain operation > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 | Cable diameter | 8 mm |
| Bending radius Flexible use Drag chain operation Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading Traversing speed 1.6 m/s Travelling distance 10 m Acceleration Signal type Application Drag chain operation Enclosure rating Ambient operating temperature > 15 x cable diameter > 10 x cable diameter | Conductor cross section | 3 x 2 x 0.22 mm ² |
| Flexible use Drag chain operation Bending cycles Reference voltage ≤ 60 V AC/DC Current loading Traversing speed Travelling distance Acceleration Signal type Application Enclosure rating Ambient operating temperature > 15 x cable diameter > 16 x cable diameter > 10 x cable diameter | Shielding | Shielded |
| Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature | Bending radius | |
| Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature IP65/ IP67 | Flexible use | > 15 x cable diameter |
| Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature | Drag chain operation | > 15 x cable diameter |
| ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature | Bending cycles | 5,000,000 |
| Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature IP65/ IP67 | Reference voltage | |
| Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature IP65/ IP67 | | ≤ 60 V AC/DC |
| Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature IP65/ IP67 | Current loading | 4 mA |
| Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature IP65/ IP67 | Traversing speed | 1.6 m/s |
| Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature | Travelling distance | 10 m |
| Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature | Acceleration | ≤ 3 m/s² |
| Enclosure rating IP65/ IP67 Ambient operating temperature | Signal type | Interbus |
| Ambient operating temperature | Application | Drag chain operation |
| | Enclosure rating | IP65/ IP67 |
| Flexible use -30 °C +70 °C | Ambient operating temperature | |
| | Flexible use | -30 °C +70 °C |

| Stationary position Head | -40 °C +80 °C -25 °C +90 °C |
|--------------------------|--------------------------------|
| Contamination rating | 3 |
| Insulation resistance | 100 ΜΩ |
| Overvoltage category | II . |

Classifications

| ECLASS 5.0 | 19030312 |
|----------------|----------|
| ECLASS 5.1.4 | 19030312 |
| ECLASS 6.0 | 27060304 |
| ECLASS 6.2 | 27060304 |
| ECLASS 7.0 | 27060304 |
| ECLASS 8.0 | 27060304 |
| ECLASS 8.1 | 27060304 |
| ECLASS 9.0 | 27060304 |
| ECLASS 10.0 | 27060304 |
| ECLASS 11.0 | 27060304 |
| ECLASS 12.0 | 27060304 |
| ETIM 5.0 | EC000830 |
| ETIM 6.0 | EC000830 |
| ETIM 7.0 | EC003249 |
| ETIM 8.0 | EC003249 |
| UNSPSC 16.0901 | 26121604 |

Dimensional drawing (Dimensions in mm (inch))



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."

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