

YI2A14-C60UB3N2A14

Sensor/actuator cable





Ordering information

| Туре | Part no. |
|--------------------|----------|
| YI2A14-C60UB3N2A14 | 2095788 |

Only suitable for PNP sensors

Other models and accessories → www.sick.com/Sensor_actuator_cable



Detailed technical data

Technical specifications

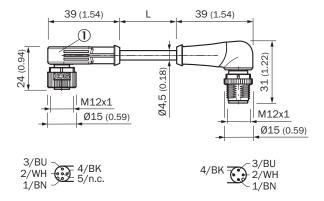
| Connection type head A Female connector, M12, 4-pin, angled, A-coded Connection type head B Male connector, M12, 4-pin, angled, A-coded Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material FKM Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation > 10 x cable diameter Position Drag chain operation > 10 x cable diameter > 10 x cable diameter Position Drag chain operation > 10 x cable diameter Position Drag chain operation > 10 x cable diameter Position Drag chain operation > 10 x cable diameter Position Drag chain operation > 10 x cable diameter Position Drag chain operation > 20 x cable diameter Position Drag chain operation > 20 x cable diameter Position Drag chain operation > 20 x cable diameter | rediffical opecifications | |
|---|---------------------------|---|
| Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Prog chain operation > 10 x cable diameter Stationary position Prog chain operation > 10 x cable diameter 10 x cable diameter > 10 x cable diameter Pospiay LED ✓ Nominal vottage, cable 300 v AC Test vottage, cable 2,500 v AC Reference voltage 24 v DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 3 m/s | Connection type head A | Female connector, M12, 4-pin, angled, A-coded |
| Connector material Connector color Black Locking nut material Zinc die-cast, nickel-plated FKM Tightening torque 0.6 Nm Width across flats 13 Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Display LED V Nominal voltage, cable Test voltage, cable Reference voltage 24 ∨ DC Rated impulse voltage 0.6 Nm Sinchel-plated Sinche (act, nickel-plated PKM Am 10 10 10 10 10 10 10 10 10 1 | Connection type head B | Male connector, M12, 4-pin, angled, A-coded |
| Connector color Locking nut material Seal material FKM 1 Tightening torque 0.6 Nm Width across flats 13 Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter 4.5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending veles Display LED Nominal voltage, cable Test voltage, cable Reference voltage 24 V DC Rated impulse voltage Current loading Traversing speed FKM 20.6 Nm 13 Cable 0.6 m, 4-wire, PUR, halogen-free Black 13 Cable 0.6 m, 4-wire, PUR, halogen-free Black 13 Cable 0.6 m, 4-wire, PUR, halogen-free Black 13 13 13 13 13 13 13 13 13 13 | Locking plug connector | Screw connection |
| Locking nut material Seal material FKM Tightening torque Width across flats 13 Cable Jacket material Jacket color Black Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Bending cycles Display LED Nominal voltage, cable Test voltage, cable Reference voltage 24 ∨ DC Rated impulse voltage Cable material FKM Jacket Color Jacket material PUR, halogen-free Black 4.5 mm Conductor cross section 0.34 mm² Unshielded Unshielded Plexible use Stationary position > 5 x cable diameter > 10 x cable diameter > 10 x cable diameter > 24 ∨ DC Rated impulse voltage Quirent loading 4 A Traversing speed Jam/s | Connector material | TPU |
| Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation > 10 x cable diameter Drag chain operation > 10 x cable diameter Display LED ✓ Nominal voltage, cable 300 ∨ AC Test voltage, cable 2,500 ∨ AC Reference voltage 24 ∨ DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 3 m/s | Connector color | Black |
| Tightening torque Width across flats 13 Cable 0.6 m, 4-wire, PUR, halogen-free PUR, halogen-free Black Cable diameter Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Display LED Nominal vottage, cable Test vottage, cable Reference voltage 24 ∨ DC Rated impulse voltage Current loading Traversing speed 0.6 m, 4-wire, PUR, halogen-free DUR, halogen-free PUR, halogen-free PUR, halogen-free Black 4.5 mm 0.34 mm² Unshielded Unshielded Unshielded 10 x cable diameter > 20 x cable diameter > 10 x cable di | Locking nut material | Zinc die-cast, nickel-plated |
| Width across flats Cable O.6 m, 4-wire, PUR, halogen-free PUR, halogen-free PUR, halogen-free Black Cable diameter 4.5 mm O.34 mm² Unshielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending vycles Display LED Nominal vottage, cable Test voltage, cable Reference voltage 24 ∨ DC Rated impulse voltage Current loading Traversing speed 10.000, 000 13 30 ∨ AC 24 ∨ DC Rated impulse voltage 0.8 k∨ 4 A Traversing speed 3 m/s | Seal material | FKM |
| Cable Jacket material Jacket color Black Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Dray chain operation Bending cycles Display LED Nominal voltage, cable Test voltage, cable Reference voltage 24 ∨ DC Rated impulse voltage Current loading Traversing speed PUR, halogen-free ### A ### ### ### ### ### ### ### ### | Tightening torque | 0.6 Nm |
| Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Display LED Nominal voltage, cable Test voltage, cable Reference voltage Current loading Traversing speed PUR, halogen-free Black 4.5 mm 0.34 mm² Unshielded Unshielded > 10 x cable diameter > 5 x cable diameter > 10 x cable diameter > 10 x cable | Width across flats | 13 |
| Jacket color Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Drag chain operation Display LED V Nominal voltage, cable Test voltage, cable 2.500 V AC Reference voltage 24 V DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed D.34 mm² Unshielded Unshielded Unshielded Unshielded Unshielded Unshielded Unshielded 10.000,000 > 5 x cable diameter > 10,000,000 > √ | Cable | 0.6 m, 4-wire, PUR, halogen-free |
| Cable diameter Conductor cross section Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Display LED Nominal voltage, cable Test voltage, cable Reference voltage 24 ∨ DC Rated impulse voltage Current loading Traversing speed 4.5 mm 0.34 mm² 10,34 mm² 10 x cable diameter > 10 x cable diameter | Jacket material | PUR, halogen-free |
| Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position Drag chain operation Pospidation Drag chain operation Pospidation Operation Single Pospidation Operation Pospidation Pospidati | Jacket color | Black |
| Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Bending cycles 10,000,000 Display LED ✓ Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 24 V DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 3 m/s | Cable diameter | 4.5 mm |
| Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles 10,000,000 Display LED ✓ Nominal voltage, cable Test voltage, cable Reference voltage 24 V DC Rated impulse voltage Current loading Traversing speed > 10 x cable diameter > 5 x cable diameter > 10,000,000 ✓ 4 A 3 m/s | Conductor cross section | 0.34 mm ² |
| Flexible use Stationary position Drag chain operation Drag chain operation Drag chain operation 10,000,000 Display LED Nominal voltage, cable Test voltage, cable 2,500 V AC Reference voltage 24 V DC Rated impulse voltage 0.8 kV Current loading Traversing speed > 10 x cable diameter > 10 x cable diameter > 10,000,000 2 0 V AC 3 00 V AC 3 m/s | Shielding | Unshielded |
| Stationary position Drag chain operation Bending cycles Display LED Nominal voltage, cable Test voltage, cable Reference voltage 24 ∨ DC Rated impulse voltage Current loading Traversing speed > 5 x cable diameter > 10,000,000 10,000,000 ✓ 20 ∨ AC 2,500 ∨ AC 24 ∨ DC 0.8 k∨ 4 A 3 m/s | Bending radius | |
| Drag chain operation > 10 x cable diameter 10,000,000 Display LED Nominal voltage, cable Test voltage, cable 2,500 V AC Reference voltage 24 V DC Rated impulse voltage Current loading Traversing speed > 10 x cable diameter 10,000,000 ✓ 000 V AC 2,500 V AC 2,500 V AC | Flexible use | > 10 x cable diameter |
| Bending cycles 10,000,000 Display LED ✓ Nominal voltage, cable 2,500 V AC Test voltage, cable 24 V DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 10,000,000 ✓ 300 V AC | Stationary position | > 5 x cable diameter |
| Display LED ✓ Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 24 V DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 3 m/s | Drag chain operation | > 10 x cable diameter |
| Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 24 V DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 3 m/s | Bending cycles | 10,000,000 |
| Test voltage, cable Reference voltage 24 V DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 3 m/s | Display LED | ✓ |
| Reference voltage 24 V DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 3 m/s | Nominal voltage, cable | 300 V AC |
| 24 V DC Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 3 m/s | Test voltage, cable | 2,500 V AC |
| Rated impulse voltage 0.8 kV Current loading 4 A Traversing speed 3 m/s | Reference voltage | |
| Current loading 4 A Traversing speed 3 m/s | | 24 V DC |
| Traversing speed 3 m/s | | 0.8 kV |
| | | 4 A |
| Travelling distance 10 m | Traversing speed | 3 m/s |
| | Travelling distance | 10 m |

| Acceleration | ≤ 10 m/s² |
|--------------------------------|---|
| Signal type | Sensor/actuator cable |
| Torsion force | 180°/1m |
| Torsion cycles | 2,000,000 |
| Cycles per minutes | 35 |
| Application | Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation |
| Note | Only suitable for PNP sensors |
| Authorizations | UL |
| UL File No. | E335179 |
| Enclosure rating | IP65 / IP66K / IP67 |
| Description | LED function display |
| Specialty | LED function indicator |
| Operating temperature | |
| Flexible use | -25 °C +80 °C |
| Stationary position | -40 °C +80 °C |
| Drag chain operation | -25 °C +80 °C |
| Head | -25 °C +85 °C |
| Contamination rating | 3 |
| Insulation resistance | 100 ΜΩ |
| Overvoltage category | III |
| Specific insulation resistance | 30 mΩ |
| Thermal resistance, piping | Flame retardant according to UL 1581, horizontal flame test/CSA FT2 $/$ IEC 60332-1, IEC 60332-2-2 $$ |

Classifications

| ECLASS 5.0 19030312 ECLASS 5.1.4 19030312 ECLASS 6.0 27060304 ECLASS 7.0 27060304 ECLASS 8.0 27060304 ECLASS 8.1 27060304 |
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| ECLASS 6.0 27060304 ECLASS 6.2 27060304 ECLASS 7.0 27060304 ECLASS 8.0 27060304 |
| ECLASS 6.2 27060304 ECLASS 7.0 27060304 ECLASS 8.0 27060304 |
| ECLASS 7.0 27060304 ECLASS 8.0 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))



Recommended accessories

Other models and accessories → www.sick.com/Sensor_actuator_cable

| | Brief description | Туре | Part no. |
|---------------|--|------------------|----------|
| Other mountin | g accessories | | |
| | 1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm | TOOL-TW06M12AF13 | 5337208 |

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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