

YF8U14-020UA3XLEAX





Ordering information

| Туре | Part no. |
|--------------------|----------|
| YF8U14-020UA3XLEAX | 2094791 |

Other models and accessories → www.sick.com/



Detailed technical data

Technical specifications

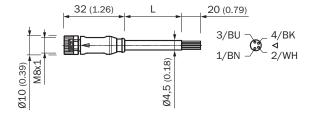
| recrimical specifications | |
|---------------------------|--|
| Accessory group | Plug connectors and cables |
| Accessory family | Connecting cables |
| Connection type head A | Female connector, M8, 4-pin, straight, A-coded |
| Connection type head B | Flying leads |
| Locking plug connector | Screw connection |
| Connector material | TPU |
| Connector color | Black |
| Locking nut material | Zinc die-cast, nickel-plated |
| Seal material | FKM |
| Tightening torque | 0.4 Nm |
| Width across flats | 9 |
| Cable | 2 m, 4-wire, PUR, halogen-free |
| Jacket material | PUR, halogen-free |
| Jacket color | Black |
| Cable diameter | 4.5 mm |
| Conductor cross-section | 0.25 mm ² |
| Shielding | Unshielded |
| Bending radius | |
| Flexible use | > 10 x cable diameter |
| Stationary position | > 5 x cable diameter |
| Drag chain operation | > 10 x cable diameter |
| Bending cycles | 10,000,000 |
| Nominal voltage, cable | 300 V AC |
| Test voltage, cable | 2,500 V AC |
| Reference voltage | |
| | 50 V AC |
| | 60 V DC |
| Rated impulse voltage | 1.5 kV |
| Current loading | 4 A |

| Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Torsion force 180° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature -25 °C +80 °C Place of the page chain operation -40 °C +80 °C Orag chain operation -25 °C +80 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ | | |
|---|--------------------------------|-----------------------|
| Signal type Sensor/actuator cable | Traversing speed | 3 m/s |
| Signal type Sensor/actuator cable Torsion force 180° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application Zones with oils and lubricants Drag chain operation Robot Authorizations UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use Stationary position -40 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, | Travelling distance | 10 m |
| Torsion force 180 ° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application 25 Zones with oils and lubricants Drag chain operation Robot 25 Please Ple | Acceleration | ≤ 10 m/s² |
| Torsion cycles 2,000,000 Cycles per minutes 35 Application Zones with oils and lubricants Drag chain operation Robot Authorizations UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature -25 °C +80 °C Stationary position Drag chain operation Prag chain operation Head -25 °C +80 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, | Signal type | Sensor/actuator cable |
| Cycles per minutes Application Zones with oils and lubricants Drag chain operation Robot UL UL File No. Enclosure rating Ambient operating temperature Flexible use Stationary position Drag chain operation Authorizations Flexible use -25 °C +80 °C -40 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance Overvoltage category III Specific insulation resistance Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, | Torsion force | 180°/1m |
| Application Zones with oils and lubricants Drag chain operation Robot UL UL File No. E335179 Enclosure rating Flexible use Stationary position Drag chain operation Authorizations Flexible use -25 °C +80 °C -40 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance Overvoltage category Flexible use 100 MΩ UL 101 102 103 103 103 104 105 105 107 108 108 109 109 109 109 109 109 | Torsion cycles | 2,000,000 |
| Authorizations UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use Plexible use Stationary position Pag chain operation Prag chain operation P | Cycles per minutes | 35 |
| UL File No. Enclosure rating P65 / P66K / P67 P66K | Application | Drag chain operation |
| Enclosure rating IP65 / IP66K / IP67 Ambient 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 MΩ 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, | Authorizations | UL |
| Ambient operating temperature Flexible use | UL File No. | E335179 |
| Flexible use $-25 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ Stationary position $-40 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ Drag chain operation $-25 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ Head $-25 ^{\circ}\text{C} \dots +85 ^{\circ}\text{C}$ Contamination rating 3 Insulation resistance 100 M Ω Overvoltage category III Specific insulation resistance 30 m Ω Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, | Enclosure rating | IP65 / IP66K / IP67 |
| Stationary position Drag chain operation Head -25 °C +80 °C -25 °C +85 °C Contamination rating 3 Insulation resistance 100 MΩ 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, | Ambient operating temperature | |
| Drag chain operation Head -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance 100 MΩ 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, | Flexible use | -25 °C +80 °C |
| Head -25 °C +85 °C Contamination rating 3 Insulation resistance 100 MΩ 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, | Stationary position | -40 °C +80 °C |
| | Drag chain operation | -25 °C +80 °C |
| Insulation resistance $100 \text{ M}\Omega$ Overvoltage category III Specific insulation resistance $30 \text{ m}\Omega$ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, | Head | -25 °C +85 °C |
| 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, | Contamination rating | 3 |
| Specific insulation resistance $30 \text{ m}\Omega$ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, | Insulation resistance | 100 ΜΩ |
| Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, | Overvoltage category | III |
| | Specific insulation resistance | 30 mΩ |
| | Thermal resistance, piping | |

Classifications

| ECI@ss 5.0 | 19030312 |
|----------------|----------|
| ECI@ss 5.1.4 | 19030312 |
| ECI@ss 6.0 | 27060304 |
| ECI@ss 6.2 | 27060304 |
| ECI@ss 7.0 | 27060304 |
| ECI@ss 8.0 | 27060304 |
| ECI@ss 8.1 | 27060304 |
| ECI@ss 9.0 | 27060304 |
| ECI@ss 10.0 | 27060304 |
| ECI@ss 11.0 | 27060304 |
| ECI@ss 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))



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