

YI8U14-050UA3XLEAX

Sensor/actuator cable





Ordering information

Туре	Part no.
YI8U14-050UA3XLEAX	2095597

Only suitable for PNP sensors

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



Detailed technical data

Technical specifications

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Connection type head A		Female connector, M8, 4-pin, angled, A-coded
Connection type head B		Flying leads
Locking plug connector		Screw connection
Connector material		TPU
Connector color		Transparent
Locking nut material		Zinc die-cast, nickel-plated
Seal material		FKM
Tightening torque		0.4 Nm
Width across flats		9
Cable		5 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
Stat	ionary position	> 5 x cable diameter
Drag c	hain 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

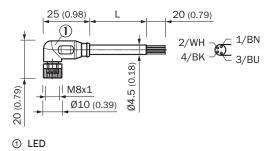
Acceleration \$ 10 m/s² Signal type Sensor/actuator cable Torsion force 180° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Note Only suitable for PNP sensors Authorizations UL Enclosure rating IP65 / IP66K / IP67 Description LED function display Specialty LED function indicator Operating temperature -25 °C +80 °C Stationary position Porgachain operation Prag chain operation -25 °C +80 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoitage category III Specific insulation resistance 30 mΩ		
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Torsion force 180° / 1 m 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 Enclosure rating IP65 / IP66K / IP67 Description LED function indicator Operating temperature Flexible use Stationary position Drag chain operation PNB occurrence Nead of C +80 °C -25 °C +80 °C -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,	Acceleration	≤ 10 m/s²
Torsion cycles Cycles per minutes Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Note Authorizations UL Enclosure rating Description Specialty UED function indicator Plexible use Stationary position Drag chain operation Authorizations Flexible use Stationary position Drag chain operation Head -25 °C +80 °C -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance 100 MΩ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Signal type	Sensor/actuator cable
Cycles per minutes 35 Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Note Only suitable for PNP sensors Authorizations UL Enclosure rating IP65 / IP66K / IP67 Description LED function display Specialty LED function indicator Operating temperature Flexible use Stationary position Prag chain operation Prag chain operation Head -25 °C +80 °C -40 °C +80 °C -25 °C	Torsion force	180°/1 m
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Zones with oils and lubricants Robot Drag chain operation Note Only suitable for PNP sensors Authorizations UL Enclosure rating IP65 / IP66K / IP67 Description LED function display Specialty LED function indicator Operating temperature Flexible use -25 ° C +80 ° C -40 ° C +80 ° C -25 ° C +80 ° C -25 ° C +85 ° C Contamination rating Insulation resistance 3 Insulation resistance 20vervoltage category III Specific insulation resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Cycles per minutes	35
Authorizations Enclosure rating IP65 / IP66K / IP67 Description LED function display Specialty Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C -25 °C +80 °C -25 °C +80 °C Orag chain operation -25 °C +80 °C Head -25 °C +85 °C Contamination rating Insulation resistance Overvoltage category Specific insulation resistance Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Application	Zones with oils and lubricants Robot
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Specialty LED function indicator Operating temperature Flexible use Stationary position And Plant Stationary position Prag chain operation Prag Chain Prag	Enclosure rating	IP65 / IP66K / IP67
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Flexible use Stationary position Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping Flexible use -25 °C +80 °C -40 °C +80 °C -25 °C +85 °C 25 °C +85 °C 100 MΩ 100 MΩ Thermal resistance 100 MΩ Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Specialty	LED function indicator
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 $100 \text{M}\Omega$ 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,	Operating temperature	
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,	Flexible use	-25 °C +80 °C
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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,	Contamination rating	3
Specific insulation resistance 30 mΩ 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

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
ECLASS 6.0 27060304 ECLASS 6.2 27060304 ECLASS 7.0 27060304 ECLASS 8.0 27060304
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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

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Dimensional drawing (Dimensions in mm (inch))



Recommended accessories

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

	Brief description	Туре	Part no.				
Other mounting accessories							
	1 piece, M8 mounting key set for SW9 with calibrated torque 0.4 Nm	TOOL-TW04M08AF09	5337207				
Others							
	 Connection type head A: Male connector, M8, 4-pin, straight, A-coded Description: Unshielded Connection systems: Screw-type terminals Permitted cross-section: 0.14 mm² 0.5 mm² 	STE-0804-G	6037323				
	 Connection type head A: Female connector, M8, 4-pin, straight, A-coded Description: Unshielded Connection systems: Screw-type terminals Permitted cross-section: 0.14 mm² 0.5 mm² 	DOS-0804-G	6009974				

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For us, that is "Sensor Intelligence."

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