

YI2A14-100UB3XLEAX

Sensor/actuator cable





Ordering information

Туре	Part no.
YI2A14-100UB3XLEAX	2095838

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, M12, 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	0.6 Nm
Width across flats	13
Cable	10 m, 4-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	4.5 mm
Conductor cross section	0.34 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
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

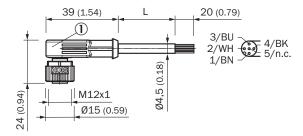
Acceleration \$ 10 m/s² Signal type Sensor/actuator cable Torsion force 180* / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application Uncontaminated zones zones with oils and lubricants Robot Drag chain operation Note Only suitable for PNP sensors Authorizations UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Description LED function display Specialty LED function indicator Operating temperature Flexible use Stationary position Drag chain operation Head -25 °C +80 °C Authorization rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ		
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 UL File No. E335179 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 Prag chain operation Head C Contamination rating Insulation resistance 30 mΩ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Travelling distance	10 m
Torsion force Torsion cycles Cycles per minutes Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Note Only suitable for PNP sensors UL UL File No. E335179 Enclosure rating Description LED function display Specialty Operating temperature Flexible use Stationary position Drag chain operation Drag chain operation Head The main resistance Overvoltage category The main resistance Time the main temperature (100 MΩ The main resistance (100 MΩ) 150 Contamination resistance Time the main temperature (100 MΩ) 150 Contamination resistance The main resistance, piping 150 Contamination resistance Time the main temperature (100 MΩ) The main temperatu	Acceleration	≤ 10 m/s²
Torsion cycles Cycles per minutes Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Only suitable for PNP sensors UL LEI No. E335179 Enclosure rating Description LED function indicator Operating temperature Flexible use Stationary position Drag chain operation Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping Uncontaminated zones Zones with oils and lubricants Only suitable for PNP sensors UL E335179 LED function display LED function indicator P65 / IP66K / IP67 LED function indicator -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 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 UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Description LED function display Specialty LED function indicator Operating temperature Flexible use Stationary position A0° C+80° C Operating 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,	Torsion force	180°/1m
Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Note Only suitable for PNP sensors UL UL File No. E335179 Enclosure rating Description Specialty UED function display LED function indicator Operating temperature Flexible use Stationary position Drag chain operation Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping Uncontaminated zones Zones with oils and lubricants PND sensors UL LED function display LED function indicator LED f	Torsion cycles	2,000,000
Zones with oils and lubricants Robot Drag chain operation Note Authorizations UL File No. E335179 Enclosure rating Description LED function display Specialty Operating temperature Flexible use Stationary position Drag chain operation Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Cycles per minutes	35
Authorizations 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 -40 °C +80 °C -40 °C +80 °C -25 °C +80 °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,	Application	Zones with oils and lubricants Robot
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Flexible use -25 °C +80 °C -40 °C +80 °C -40 °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,	Specialty	LED function indicator
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,	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
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
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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 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 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))



Recommended accessories

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

	Brief description	Туре	Part no.
Other mounting	ng accessories		
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208
Others			
	Connection type head A: Male connector, M12, 5-pin, straight, A-coded Description: Unshielded, Head A: male connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm² Note: For field bus technology	STE-1205-G	6022083
	Connection type head A: Female connector, M12, 5-pin, straight, A-coded Description: Unshielded, Head A: female connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm²	DOS-1205-G	6009719

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