

YI2A13-100UB1XLEAX

Sensor/actuator cable





Ordering information

Туре	Part no.
YI2A13-100UB1XLEAX	2143479

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, 3-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, 3-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	4.1 mm
Conductor cross section	0.34 mm ²
Shielding	Unshielded
Bending radius	
Flexible us	se > 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		
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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 The main resistance, piping 150 Contamination resistance Time the main temperature (100 MΩ) The main resistance (100 MΩ) The mai	Acceleration	≤ 10 m/s²
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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	

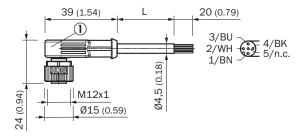
Classifications

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

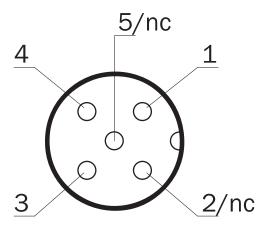
UNSPSC 16.0901

26121604

Dimensional drawing (Dimensions in mm (inch))



PIN assignment



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