

# YI2A14-050UB3XLEAX

Sensor/actuator cable



### YI2A14-050UB3XLEAX | Sensor/actuator cable



### Ordering information

Туре	Part no.
YI2A14-050UB3XLEAX	2095837

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		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		5 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 <sup>2</sup>
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		1
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

# YI2A14-050UB3XLEAX | Sensor/actuator cable

Acceleration\$10 m/s²Signal typeSensor/actuator cableTorsion force180° / 1 mTorsion cycles2000.000Cycles per minutesSoApplicationSoApplicationNoteAutorizationsNoteDiscription10 wistiable for PNP sensorsAutorizationsU.UL File No.ED fonction indicatorEnclosure rating165 / IP66K / IP67DescriptionED function indicatorSpecialtyED function indicatorOperating temperature Stationary position25° C+80 °C 10 °C ·+80 °C 25° C+80 °C <th></th> <th></th>		
Signal typeSensor/actuator cableTorsion cycles180°/1 mTorsion cycles2,000,000Cycles per minutes35ApplicationNonontaminated zones Robot Drag chain operationNote01/9 suitable for PNP sensorsAuthorizationsUUL File No.E335179Enclosure rating165/1P66K/1P67DescriptionED function indicatorSpecialty25°C+80°C 25°C+80°C 	Travelling distance	10 m
Torsion force180° / 1 mTorsion cycles2000,000Cycles per minutes35Cycles per minutesNonortaminated zones Sobot Drag shain operationApplicationOnly suitable for PNP sensorsNote0.14 Suitable for PNP sensorsAuthorizationsUUL File No.E335179DescriptionDe5/ IP66K / IP67SpecialtyContoninicatorFlexible25 C + 80 °C 25 C + 80 °C <th>Acceleration</th> <th>≤ 10 m/s²</th>	Acceleration	≤ 10 m/s²
Torsion cycles2,00,000Cycles per minutes35ApplicationConcontaminated zones cones with oils and lubricants Robot Drag chain operationNoteOnes with oils and lubricants 	Signal type	Sensor/actuator cable
Cycles per minutes35ApplicationUncontaminated zones Zones with oils and lubricants Robot and no perationNoteOnly suitable for PNP sensorsAuthorizationsUCut File No.E33579Enclosure ratingE05 / IP66K / IP67DescriptionED function displaySpecialtyED function indicatorOperating temperature Drag chain operation-So °C - 40 °C +80 °C - 25 °C +80 °C - 25 °C +85 °CContamination rating3Contamination rating3Contamination ration3Insulation resistanceImage: Stationary DisplayOperating temperature Drag chain operation3Insulation resistanceImage: Stationary DisplayOperating temperature Drag chain operation3Insulation resistanceImage: Stationary DisplayOperating temperature Drag chain operationImage: Stationary DisplayInsulation resistanceImage: Stationary Displa	Torsion force	180°/1m
ApplicationUncontaminated zones Sones with oils and lubricants Robot Drag chain operationNoteOnly suitable for PNP sensorsAuthorizationsULContaminated zones Solution ratingPo5/ IPG6K / IPG7DescriptionED function indicatorSpecialtyContaminated zones Stationary positionFlexible is Stationary positionSpecial Contamination ratingContamination ratingSpecialtyContamination resistanceSpecialtyContamination resistanceSpecialtyContamination resistanceSpecialtyContamination resistanceSpecialtyContamination resistanceSpecialtyContamination resistanceSpecialtyContamination resistanceSpecialtyContamination resistanceSpecialtyCo	Torsion cycles	2,000,000
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Authorizations         UL           UL File No.         E335179           Enclosure rating         IP65 / IP66K / IP67           Description         LED function display           Specialty         LED function indicator           Operating temperature         -25 °C +80 °C           Stationary position         -25 °C +80 °C           Drag chain operation         -25 °C +80 °C           The Stationary position         -25 °C +80 °C           Stationary position         -25 °C +80 °C           Stationary position         -25 °C +80 °C           The Stationary position         -25 °C +80 °C           Stationary position         -25 °C +80 °C           Stationary position         -25 °C +80 °C           The Stationary position         -25 °C +80 °C	Application	Zones with oils and lubricants Robot
UL File No.E33179Enclosure ratingD65 / IP66K / IP67DescriptionED function displaySpecialtyLD function indicatorOperating temperature Stationary position-5 ° C + 80 ° CStationary position-5 ° C + 80 ° COrage chain operation Head-5 ° C + 80 ° COperating temperature Stationary position-5 ° C + 80 ° CStationary position-5 ° C + 80 ° COperating temperature 	Note	Only suitable for PNP sensors
Enclosure ratingDescriptionDescriptionDescriptionED function displaySpecialtyED function indicatorOperating temperature Stationary option-25 ° C + 80 ° CStationary option-25 ° C + 80 ° CDrag chain operation Heral-25 ° C + 80 ° CStationary option-25 ° C + 80 ° CStationary	Authorizations	UL
Description       ED function display         Specialty       ED function indicator         Operating temperature       -25 °C +80 °C         Flexible use       -25 °C +80 °C         Other Contamination rating       -25 °C +80 °C         Insulation resistance       3         Insulation resistance       100 MΩ         Insulation resistance       III	UL File No.	E335179
SpecialtyED function indicatorOperating temperatureED function indicatorFlexible us-5 ° C +80 ° CStationary position-40 ° C +80 ° CDrag chain operation-25 ° C +80 ° CHead-25 ° C +80 ° CContamination rating3Insulation resistance100 MΩInsulation resistanceIII	Enclosure rating	IP65 / IP66K / IP67
Operating temperatureSecond and a conduction of the second and a con	Description	LED function display
Flexible use-25 ° C +80 ° CStationary position-40 ° C +80 ° CDrag chain operation-25 ° C +80 ° CHead-25 ° C +85 ° CContamination rating3Insulation resistance100 MΩDvervoltage categoryIII	Specialty	LED function indicator
Stationary position     -40 ° C +80 ° C       Drag chain operation     -25 ° C +80 ° C       Head     -25 ° C +80 ° C       -25 ° C +85 ° C     -25 ° C +80 ° C       Insulation resistance     3       Overvoltage category     III	Operating temperature	
Drag chain operation Head-25 °C +80 °C -25 °C +85 °CContamination rating3Insulation resistance100 MΩDvervoltage categoryIII	Flexible use	-25 °C +80 °C
Head-25 °C +85 °CContamination rating3Insulation resistance100 MΩOvervoltage categoryIII	Stationary position	-40 °C +80 °C
Contamination rating     3       Insulation resistance     100 MΩ       Overvoltage category     III	Drag chain operation	-25 °C +80 °C
Insulation resistance     100 MΩ       Overvoltage category     III	Head	-25 °C +85 °C
Overvoltage category III	Contamination rating	3
	Insulation resistance	100 ΜΩ
Specific insulation resistance 20 mO	Overvoltage category	III
specific insulation resistance 30 mit	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	Thermal resistance, piping	<b>o</b>

### Classifications

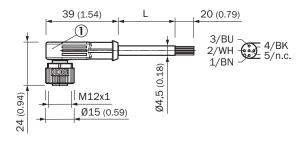
ECLASS 5.0	19030312
ECLASS 5.1.4	19030312
ECLASS 6.0	27060304
ECLASS 6.2	27060304
ECLASS 7.0	27060304
ECLASS 8.0	27060304
ECLASS 8.1	27060304
ECLASS 9.0	27060304
ECLASS 10.0	27060304
ECLASS 11.0	27060304
ECLASS 12.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
ETIM 8.0	EC003249

### YI2A14-050UB3XLEAX | Sensor/actuator cable

#### 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 accessories						
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208			
Others						
	<ul> <li>Connection type head A: Male connector, M12, 5-pin, straight, A-coded</li> <li>Description: Unshielded, Head A: male connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: -</li> <li>Connection systems: Screw-type terminals</li> <li>Permitted cross-section: ≤ 0.75 mm<sup>2</sup></li> <li>Note: For field bus technology</li> </ul>	STE-1205-G	6022083			
	<ul> <li>Connection type head A: Female connector, M12, 5-pin, straight, A-coded</li> <li>Description: Unshielded, Head A: female connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: -</li> <li>Connection systems: Screw-type terminals</li> <li>Permitted cross-section: ≤ 0.75 mm<sup>2</sup></li> </ul>	DOS-1205-G	6009719			

# 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."

# WORLDWIDE PRESENCE:

Contacts and other locations -www.sick.com



Online data sheet

