

# YH2A14-050UB3XLEAX

Sensor/actuator cable





## Ordering information

Туре	Part no.
YH2A14-050UB3XLEAX	2117127

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, straight, 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	1	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		✓
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
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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
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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
UL File No.  Enclosure rating  IP65 / IP66K / IP67  Description  Specialty  LED function display  LED function indicator  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  Specific insulation resistance  Thermal resistance, piping  Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Note	Only suitable for PNP sensors
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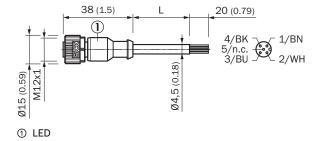
## Classifications

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

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## Dimensional drawing (Dimensions in mm (inch))



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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.

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