

# YI2A14-050UB3XLEAX





# Ordering information

Туре	Part no.
YI2A14-050UB3XLEAX	2095837

Only suitable for PNP sensors

Other models and accessories → www.sick.com/



#### Detailed technical data

### Technical specifications

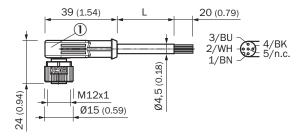
Toommout opcomoutions	
Accessory group	Plug connectors and cables
Accessory family	Connecting cables
Connection type head A	Female connector, M12, 4-pin, angled, A-coded
Connection type head B	Flying leads
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Transparent
Locking 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
Indication LED	✓
Reference voltage	≤ 24 V DC
Rated impulse voltage	0.8 kV
Current loading	4 A
Traversing speed	3 m/s
Travelling distance	10 m

Torsion force180° / 1 mTorsion cycles2,000,000Cycles per minutes35ApplicationZones with oils and lubricants Drag chain operationNoteOnly suitable for PNP sensorsAuthorizationsULUL File No.E335179Enclosure ratingIP65 / IP66K / IP67Ambient operating temperatureFlexible use Stationary position Parag chain operation-25 °C +80 °CDrag chain operation Head-25 °C +80 °C-25 °C +85 °C-25 °C +85 °CContamination rating3Insulation resistance100 MΩOvervoltage categoryIII		
Torsion force  180° / 1 m  2,000,000  Cycles per minutes  Application  Note  Only suitable for PNP sensors  Authorizations  UL  UL File No.  E335179  Enclosure rating  Ambient operating temperature  Flexible use Stationary position  Drag chain operation  Drag chain operation  Authorizations  UL  Contamination rating  180° / 1 m  2,000,000  Authorizations  UL  LIFIE No.  E335179  Enclosure rating  Application  Pless / IP66K / IP67  Authorizations  LOC +80 °C  -25 °C +80 °C  -25 °C +80 °C  -25 °C +85 °C  Contamination rating  Insulation resistance  III  UL  UL  UL  UL  UL  UL  UL  UL  U	Acceleration	$\leq 10 \text{ m/s}^2$
Torsion cycles         2,000,000           Cycles per minutes         35           Application         Conse with oils and lubricants brag chain operation           Note         Only suitable for PNP sensors           Authorizations         UL           UL File No.         E335179           Enclosure rating         IP65 / IP66K / IP67           Ambient operating temperature         Flexible use Stationary position -40 °C +80 °C -40 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +85 °C           Contamination rating Insulation resistance         3           Insulation resistance         100 MΩ           Overvoltage category         III	Signal type	Sensor/actuator cable
Cycles per minutes35ApplicationZones with oils and lubricants Drag chain operationNoteOnly suitable for PNP sensorsAuthorizationsULUL File No.E335179Enclosure ratingIP65 / IP66K / IP67Ambient operating temperatureFlexible use Stationary position Drag chain operation OP Drag chain operation Head-25 °C +80 °C -25 °C +80 °C -25 °C +80 °CContamination rating Insulation resistance3Insulation resistance100 MΩOvervoltage categoryIII	Torsion force	180°/1 m
Application  Note  Only suitable for PNP sensors  Authorizations  UL  UL File No.  Enclosure rating  Flexible use  Stationary position  Drag chain operation  Plead  Octonamination rating  Insulation resistance  Overvoltage category  Insulation resistance  Solution application  Drag chain operation  Drag ch	Torsion cycles	2,000,000
NoteDrag chain operationAuthorizationsULUL File No.E335179Enclosure ratingIP65 / IP66K / IP67Ambient operating temperatureFlexible use -25 °C +80 °C -40 °C +80 °C -25 °C +80 °COrag chain operation Head-25 °C +80 °C -25 °C +85 °CContamination rating Insulation resistance3Insulation resistance100 MΩOvervoltage categoryIII	Cycles per minutes	35
Authorizations         UL           UL File No.         E335179           Enclosure rating         IP65 / IP66K / IP67           Ambient operating temperature         Flexible use Stationary position -40 °C +80 °C -40 °C +80 °C -25 °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	Application	
UL File No.  Enclosure rating  IP65 / IP66K / IP67  Ambient operating temperature  Flexible use	Note	Only suitable for PNP sensors
Enclosure ratingIP65 / IP66K / IP67Ambient operating temperatureFlexible use-25 °C +80 °CStationary position-40 °C +80 °CDrag chain operation-25 °C +80 °CHead-25 °C +85 °CContamination rating3Insulation resistance100 MΩOvervoltage categoryIII	Authorizations	UL
Flexible use -25 °C +80 °C Stationary position -40 °C +80 °C Drag chain operation -25 °C +80 °C  Head -25 °C +85 °C  Contamination rating 3 Insulation resistance 100 MΩ  Uvervoltage category III	UL File No.	E335179
Flexible use Stationary position  Prag chain operation  Head  Contamination rating  Insulation resistance  Overvoltage category  Plexible use -25 °C +80 °C -40 °C +80 °C -25 °C +80 °C -25 °C +85 °C  100 ΜΩ  III	Enclosure rating	IP65 / IP66K / IP67
Stationary position Drag chain operation Head -25 °C +80 °C -25 °C +85 °C  Contamination rating Insulation resistance 100 MΩ  Universal stance III	Ambient operating temperature	
Drag chain operation Head -25 °C +80 °C -25 °C +85 °C  Contamination rating 3 Insulation resistance 100 MΩ  Uvervoltage category  III	Flexible use	-25 °C +80 °C
Head     -25 °C +85 °C       Contamination rating     3       Insulation resistance     100 MΩ       Overvoltage category     III	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
<b>Specific insulation resistance</b> $30 \text{ m}\Omega$	Overvoltage category	III
	Specific insulation resistance	30 mΩ

#### Classifications

ECI@ss 5.0	19030312
ECI@ss 5.1.4	19030312
ECI@ss 6.0	27060304
ECI@ss 6.2	27060304
ECI@ss 7.0	27060304
ECI@ss 8.0	27060304
ECI@ss 8.1	27060304
ECI@ss 9.0	27060304
ECI@ss 10.0	27060304
ECI@ss 11.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
UNSPSC 16.0901	26121604

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



#### Recommended accessories

Other models and accessories → www.sick.com/

	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		
Plug connectors and cables					
	Head A: female connector, M12, 5-pin, straight Cable: unshielded	DOS-1205-G	6009719		
	Head A: male connector, M12, 5-pin, straight Cable: unshielded For field bus technology	STE-1205-G	6022083		

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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.

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."

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