

YN2A14-050UB3XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES

SICKSensor Intelligence.



Ordering information

Туре	Part no.
YN2A14-050UB3XLEAX	2096628

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



Detailed technical data

Technical specifications

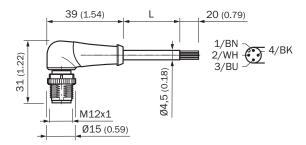
Accessory group		Plug connectors and cables
Accessory family		Connecting cables
Connection type head A		Male connector, M12, 4-pin, angled, A-coded
Connection type head B		Flying leads
Locking plug connector		Screw connection
Connector material		TPU
Connector color		Black
Locking nut material		Zinc die-cast, nickel-plated
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 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
Nominal voltage, cable		300 V AC
Test voltage, cable		2,500 V AC
Reference voltage		
		250 V AC
		250 V DC
Rated impulse voltage		2.5 kV
Current loading		4 A

Tavelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Torsion force 180° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application CE UL		
Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable 180° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application Zones with oils and lubricants Drag chain operation Robot Authorizations CE UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use Stationary position Drag chain operation Robot Head 25° 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 Specific insulation resistance 30 mΩ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332·1,	Traversing speed	3 m/s
Signal type Torsion force 180° / 1 m Torsion cycles 2,000,000 Cycles per minutes Application CE UL UL File No. Enclosure rating Ambient operating temperature Flexible use Stationary position Drag chain operation -25°C+80°C -25°C+80°C -25°C+80°C -25°C+85°C Contamination rating Insulation resistance 100 ΜΩ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Travelling distance	10 m
Torsion force 180° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application 2cones with oils and lubricants Drag chain operation Robot Authorizations 2c E UL UL File No. 2s35179 Enclosure rating 1P65 / IP66K / IP67 Ambient operating temperature Flexible use 25° C +80° C 25 acin +80° C 25° C +80° C 25° C +80° C Orag chain operation Prag chain operation Prag chain operation Head 25° C +80° C 25° C	Acceleration	≤ 10 m/s²
Torsion cycles 2,000,000 Cycles per minutes Application Zones with oils and lubricants Drag chain operation Robot Authorizations CE UL UL File No. E335179 Enclosure rating Ambient operating temperature Flexible use Stationary position Drag chain operation Head CC: UL COntamination rating Insulation resistance Overvoltage category Thermal resistance, piping Jone With oils and lubricants Zones with oils and lubricants Drag chain operation Robot CE UL UL E335179 IP65 / IP66K / IP67 Ambient operating temperature Flexible use -25 ° C +80 ° C -25 ° C +85 ° C Thermal resistance JON MΩ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Signal type	Sensor/actuator cable
Cycles per minutes 35 Application Zones with oils and lubricants Drag chain operation Robot Authorizations CE 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 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 Authorizations CE UL UL File No. Enclosure rating Flexible use Stationary position Drag chain operation Pread by C +80 ° C -25 ° C +80 ° C -25 ° C +80 ° C -25 ° C +85 ° C Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping Zones with oils and lubricants Drag chain operation Robot Authorizations Drag chain operation Robot 2CE UL UL 1P66K / IP67 Ambient operating temperature -25 ° C +80 ° C -40 ° C +80 ° C -25 ° C +80 ° C -25 ° C +85 ° C Contamination rating Insulation resistance 100 M Ω Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Torsion cycles	2,000,000
Drag chain operation Robot Authorizations CE UL UL File No. E335179 Enclosure rating Ambient operating temperature Flexible use Stationary position Drag chain operation Plead Ple	Cycles per minutes	35
UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use Stationary position Drag chain operation Head Pead Pead Pead Pead Pead Pead Pead P	Application	Drag chain operation
Enclosure rating Ambient operating temperature Flexible use Stationary position Drag chain operation Peed Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping IP65 / IP66K / IP67 Peed	Authorizations	
Ambient operating temperature Flexible use $-25 ^{\circ}\text{C} \dots + 80 ^{\circ}\text{C}$ Stationary position $-40 ^{\circ}\text{C} \dots + 80 ^{\circ}\text{C}$ Drag chain operation $-25 ^{\circ}\text{C} \dots + 80 ^{\circ}\text{C}$ Head $-25 ^{\circ}\text{C} \dots + 85 ^{\circ}\text{C}$ Contamination rating 3 Insulation resistance 100 M Ω Overvoltage category III Specific insulation resistance 30 m Ω Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	UL File No.	E335179
Flexible use Stationary position $-25 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ $-40 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots +85 ^{\circ}\text{C}$ Thermal resistance $-25 ^{\circ}\text{C} \dots +85 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots +85$	Enclosure rating	IP65 / IP66K / IP67
Stationary position $-40~^{\circ}\text{C} +80~^{\circ}\text{C}$ $-25~^{\circ}\text{C} +80~^{\circ}\text{C}$ $-25~^{\circ}\text{C} +85~^{\circ}\text{C}$ Contamination rating 3 Insulation resistance 100 M Ω Overvoltage category III Specific insulation resistance 30 m Ω Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Ambient operating temperature	
Drag chain operation -25 °C +80 °C Head -25 °C +85 °C Contamination rating 3 Insulation resistance $100 \text{ M}\Omega$ Overvoltage category III Specific insulation resistance $30 \text{ m}\Omega$ 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
	Drag chain operation	-25 °C +80 °C
Insulation resistance $100 \text{ M}Ω$ Overvoltage category III Specific insulation resistance $30 \text{ m}Ω$ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Head	-25 °C +85 °C
Overvoltage category III Specific insulation resistance $30 \text{ m}\Omega$ Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Contamination rating	3
Specific insulation resistance $30 \text{ m}\Omega$ 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 accessories						
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208			
Plug connectors and cables						
	Connection type head A: Female connector, M12, 5-pin, straight 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			
	Connection type head A: Male connector, M12, 5-pin, straight 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			

SICK AT A GLANCE

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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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