

YH2A15-050UB5XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
YH2A15-050UB5XLEAX	2115944

Other models and accessories -> www.sick.com/Sensor_actuator_cable



Detailed technical data

Technical specifications

Accessory group Plug connectors and cables Connectin type head A Female connector, M12, 5-pin, straight, A-coded Connectin type head B Flying leads Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 5-wire, PUR, halogen-free Jacket atterial PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 10 x cable diameter Shielding cycles 10 x cable diameter Bending rycles 10 x cable diameter Nominal voltage, cable 2 x 00 V AC Reference voltage 24 V DC Rated i		
Connection type head A Connection type head B Connector type head B Connector type head B Connector material Connector material Connector color Connector color Connector material Conlecting nut material Conlecting nut material Seal material FKM Tightening torque Width across flats 13 Cable Jacket material Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Plexible use Stationary position Drag chain operation Drag chain operation Bending cycles Display LED V Nominal voltage, cable Reference voltage Fersible use Reference voltage Fersible use Reference voltage Flexible use Flexible u	Accessory group	Plug connectors and cables
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 Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation Dra	Accessory family	Connecting cables
Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius 10 x cable diameter Flexible use Stationary position Drag chain operation > 5 x cable diameter Proag chain operation > 10 x cable diameter Bending cycles 10,000,000 Display LED ✓ Nominal voltage, cable 300 ∨ AC Test voltage, cable 2,500 ∨ AC Reference voltage 24 ∨ DC	Connection type head A	Female connector, M12, 5-pin, straight, A-coded
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Paragchain operation > 10 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	Connection type head B	Flying leads
Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Prag chain operation > 10 x cable diameter > 5 x cable diameter > 10 x cable diameter Display LED ✓ Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 24 V DC	Locking plug connector	Screw connection
Locking nut material Seal material FKM 1ightening torque 0.6 Nm Width across flats 13 Cable 5 m, 5-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter 4.8 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Display LED Nominal voltage, cable Reference voltage Reference voltage 24 V DC	Connector material	TPU
Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Drag chain operation > 10,000,000 Display LED ✓ Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 24 V DC	Connector color	Black
Tightening torque Width across flats 13 Cable 5 m, 5-wire, PUR, halogen-free PUR, halogen-free Black Cable diameter 4.8 mm Conductor cross section Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Display LED Nominal voltage, cable Reference voltage Reference voltage Valor (Annual Manual Manua	Locking nut material	Zinc die-cast, nickel-plated
Width across flats Cable 5 m, 5-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter 4.8 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Drag shielding cycles Display LED Nominal voltage, cable Reference voltage 24 ∨ DC S m, 5-wire, PUR, halogen-free 5 m, 5-wire, PUR, halogen-free 9 to x cable diameter 10.34 mm² 2	Seal material	FKM
Cable 5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 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	Tightening torque	0.6 Nm
Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² 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	Width across flats	13
Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position Drag chain operation > 5 x cable diameter Nominal voltage, cable 10,000,000 Test voltage, cable 2,500 V AC Reference voltage 24 V DC	Cable	5 m, 5-wire, PUR, halogen-free
Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Display LED Nominal voltage, cable Test voltage, cable Reference voltage 24 ∨ DC Nondonal voltage and the section of the section	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Display LED Nominal voltage, cable Test voltage, cable Reference voltage 24 ∨ DC	Jacket color	Black
Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Display LED Nominal voltage, cable Test voltage, cable Reference voltage 24 V DC	Cable diameter	4.8 mm
Bending radius Flexible use Stationary position Drag chain operation Page that operation Drag chain operation Stationary position Drag chain operation Page that operation Drag chain operation Drag chain operation 10,000,000 10,000,000 10,000,000 10,000,00	Conductor cross section	0.34 mm ²
Flexible use Stationary position Drag chain operation Display LED ✓ Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 24 V DC	Shielding	Unshielded
Stationary position Drag chain operation Drag chain operation Bending cycles 10,000,000 Display LED Nominal voltage, cable Test voltage, cable Reference voltage 24 ∨ DC	Bending radius	
Drag chain operation > 10 x cable diameter 10,000,000 Display LED Nominal voltage, cable 2,500 V AC Reference voltage 24 V DC	Flexible use	> 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	Stationary position	> 5 x cable diameter
Display LED Nominal voltage, cable 300 ∨ AC Test voltage, cable 2,500 ∨ AC Reference voltage 24 ∨ DC	Drag chain operation	> 10 x cable diameter
Nominal voltage, cable Test voltage, cable 2,500 V AC Reference voltage 24 V DC	Bending cycles	10,000,000
Test voltage, cable 2,500 V AC Reference voltage 24 V DC	Display LED	√
Reference voltage 24 V DC	Nominal voltage, cable	300 V AC
24 V DC	Test voltage, cable	2,500 V AC
	Reference voltage	
Rated impulse voltage 1.5 kV		24 V DC
	Rated impulse voltage	1.5 kV

Current loading	≤ 4 A
Traversing speed	3 m/s
Travelling distance	10 m
Acceleration	≤ 10 m/s²
Signal type	Sensor/actuator cable
Torsion force	180°/1m
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
Description	LED function display
Specialty	LED function indicator
Ambient operating temperature	
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 ΜΩ
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, IEC 60332-2-2 $$

Classifications

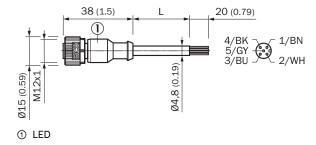
ECLASS 5.0	19030312
ECLASS 5.1.4	19030312
ECLASS 6.0	27060304
ECLASS 6.2	27060304
ECLASS 7.0	27060304
ECLASS 8.0	27060304
ECLASS 8.1	27060304
ECLASS 9.0	27060304
ECLASS 10.0	27060304
ECLASS 11.0	27060304
ECLASS 12.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249

YH2A15-050UB5XLEAX | Sensor/actuator cable

PLUG CONNECTORS AND CABLES

ETIM 8.0	EC003249
UNSPSC 16.0901	26121604

Dimensional drawing (Dimensions in mm (inch))



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

