

YM8U24-C50UB4XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
YM8U24-C50UB4XLEAX	2113411

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



Detailed technical data

Technical specifications

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Connection type head A	Male connector, M8, 4-pin, straight, 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
Seal material	FKM
Tightening torque	0.4 Nm
Width across flats	9
Cable	0.5 m, 4-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	5.3 mm
Conductor cross section	0.34 mm ²
Shielding	Shielded
Bending radius	
Flexible use	> 10 x cable diameter
Stationary position	> 5 x cable diameter
Drag chain operation	> 10 x cable diameter
Bending cycles	5,000,000
Nominal voltage, cable	300 V AC
Test voltage, cable	2,000 V AC
Reference voltage	
	48 V AC
	60 V DC
Rated impulse voltage	0.8 kV
Current loading	≤ 4 A
Traversing speed	3.3 m/s
Travelling distance	5 m

Acceleration≤ 5 m/s²Signal typeSensor/actuator cableTorsion force30° / 1 mTorsion cycles2,000,000Cycles per minutes35ApplicationZones with oils and lubricants brag chain operation RobotAuthorizationsULEnclosure ratingHP65 / IP66K / IP67Operating temperatureFlexible use 25°C +80°C -40°C +80°C -40°C +80°C -25°C +80°C +80°C -25°C +80°C		
Torsion force 30° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application Zones with oils and lubricants brag chain operation Robot Authorizations UL Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use Stationary position A0° C +80° C +85° C	Acceleration	≤ 5 m/s²
Torsion cycles Cycles per minutes Application Authorizations Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Authorizations Flexible use -25 °C +80 °C -40 °C +80 °C -25 °C +80	Signal type	Sensor/actuator cable
Cycles per minutes 35 Application Zones with oils and lubricants Drag chain operation Robot Authorizations UL Enclosure rating IP65 / IP66K / IP67 Operating temperature -25 °C +80 °C Stationary position Drag chain operation -40 °C +80 °C Head -25 °C +80 °C -25 °C +80 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Torsion force	30°/1 m
Application Zones with oils and lubricants Drag chain operation Robot Authorizations UL Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use Stationary position Automation Prag chain operation Prag chain operation Automation Prag chain operation Prag chain operation Automation Prag chain operation P	Torsion cycles	2,000,000
Authorizations UL Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use -25 °C +80 °C -40 °C +85 °C +85 °C -40 °C +85	Cycles per minutes	35
Enclosure ratingIP65 / IP66K / IP67Operating temperatureFlexible use Stationary position Drag chain operation Head $-25 ^{\circ}$ C +80 $^{\circ}$ C $-25 ^{\circ}$ C +80 $^{\circ}$ CContamination rating3Insulation resistance $100 \text{M}\Omega$ Overvoltage categoryIIISpecific insulation resistance $30 \text{m}\Omega$	Application	Drag chain operation
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 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Authorizations	UL
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 $100 \text{M}\Omega$ Overvoltage category III Specific insulation resistance $30 \text{m}\Omega$	Enclosure rating	IP65 / IP66K / IP67
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 $100 \text{M}\Omega$ Overvoltage category III Specific insulation resistance $30 \text{m}\Omega$	Operating temperature	
Drag chain operation-25 °C +80 °CHead-25 °C +85 °CContamination rating3Insulation resistance100 MΩOvervoltage categoryIIISpecific insulation resistance30 mΩ	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	Stationary position	-40 °C +80 °C
Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Drag chain operation	-25 °C +80 °C
Insulation resistance $100 \text{ M}\Omega$ Overvoltage category III Specific insulation resistance $30 \text{ m}\Omega$	Head	-25 °C +85 °C
Overvoltage category III Specific insulation resistance 30 mΩ	Contamination rating	3
Specific insulation resistance $30 \text{ m}\Omega$	Insulation resistance	100 ΜΩ
	Overvoltage category	III
Thermal resistance, piping Flame retardant according to UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2	Specific insulation resistance	30 mΩ
	Thermal resistance, piping	Flame retardant according to UL 1581 Section 1090 (H), CSA FT2 $/$ IEC 60332-2-2 $$

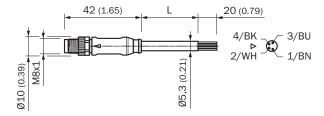
Classifications

	40000040
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

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Dimensional drawing (Dimensions in mm (inch))



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