

YG2A25-050UB6XLEAX

Sensor/actuator cable





Ordering information

Туре	Part no.
YG2A25-050UB6XLEAX	2095792

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



Detailed technical data

Technical specifications

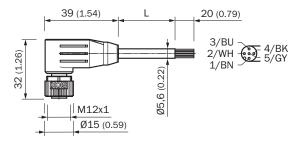
recimieat epecinications	
Connection type head A	Female connector, M12, 5-pin, angled, A-coded
Connection type head B	Flying leads
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Zinc die-cast, nickel-plated
Seal material	FKM
Tightening torque	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	5.6 mm
Conductor cross section	5 x 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	
	60 V AC
	60 V DC
Rated impulse voltage	1.5 kV
Current loading	4 A
Traversing speed	3.3 m/s

Acceleration ≤ 5 m/s² Signal type Sensor/actuator cable Torsion force 30° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Authorizations CE UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Operating temperature -25 °C +80 °C Plexible use Stationary position Drag chain operation -25 °C +80 °C Plexible use Stationary position Drag chain operation -25 °C +80 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ		
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Torsion force 30° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Authorizations CE UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use 25°C +80°C -40°C +80°C -25°C +80°C -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	Acceleration	≤ 5 m/s²
Torsion cycles Cycles per minutes Application Authorizations CE UL UL File No. Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Pead o °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance Overvoltage category Specific insulation resistance 2,000,000 2,000	Signal type	Sensor/actuator cable
Cycles per minutes Application Drag chain operation CE UL UL File No. Enclosure rating Plexible use Stationary position Drag chain operation Plag chain operation Flexible use Stationary position Drag chain operation Authorizations Flexible use Stationary position Drag chain operation Authorizations Flexible use Stationary position Drag chain operation Authorizations Flexible use Stationary position Drag chain operation Authorizations Flexible use Stationary position Drag chain operation Authorizations Flexible use Stationary position Drag chain operation Authorizations Flexible use Stationary position Authorizations Authorizations Flexible use Stationary position Authorizations Authorizations Flexible use Stationary position Authorizations Flexible use Stationary position Authorizations Authorizations Authorizations Authorizations Authorizations A	Torsion force	30°/1m
Application Authorizations CE UL UL File No. 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 °C -25 °C +85 °C Contamination rating Insulation resistance Overvoltage category Ill Specific insulation resistance Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Drag chain operation -25 °C +80 °C -40 °C +80 °C -25 °C +85 °C Ill Specific insulation resistance 100 MΩ	Torsion cycles	2,000,000
Authorizations CE UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use Stationary position Parag chain operation Parag chain operation Head -25 °C +80 °C -25 °C +80 °C -25 °C +80 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Cycles per minutes	35
UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use -25 °C +80 °C Stationary position Drag chain operation Prag chain operation Head -25 °C +80 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Application	Zones with oils and lubricants Robot
Enclosure rating IP65 / IP66K / IP67 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	
Operating temperature Flexible use Stationary position Advisor Stationary position Prag chain operation Prag Chain operation Advisor Stationary Properties Pragadinary Properties Pragadinary Pr	UL File No.	E335179
Flexible use Stationary position $-25 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ $-40 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots +80 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots +85 ^{\circ}\text{C}$ 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 Drag chain operation Head -25 °C +80 °C -25 °C +85 °C Contamination rating 3 Insulation resistance 100 ΜΩ Overvoltage category III Specific insulation resistance 30 mΩ	Operating temperature	
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	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 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Head	-25 °C +85 °C
Overvoltage category III Specific insulation resistance $30 \text{ m}\Omega$	Contamination rating	3
Specific insulation resistance $30 \text{ m}\Omega$	Insulation resistance	100 ΜΩ
	Overvoltage category	III
The world was later as a white of the was without according to III 4594 Castian 4000 (II) CC4 570 (150 C0200 0.0)	Specific insulation resistance	30 mΩ
Flame retardant according to UL 1981 Section 1090 (H), CSA F12 / IEC 60332-2-2	Thermal resistance, piping	Flame retardant according to UL 1581 Section 1090 (H), CSA FT2 / 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
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		
Others					
	Connection type head A: Male connector, M12, 5-pin, straight, A-coded 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		
	Connection type head A: Female connector, M12, 5-pin, straight, A-coded 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		

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