

YG2A25-030UB6XLEAX

Sensor-actuator cables

CONNECTORS AND CABLES





Ordering information

Туре	part no.
YG2A25-030UB6XLEAX	2095791

Other models and accessories → www.sick.com/Sensor-actuator_cables



Detailed technical data

Technical specifications

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		3 m, 5-wire, PUR, halogen-free
Jacket material		PUR, halogen-free
Jacket color		Black
Cable diameter		5.6 mm
Conductor cross section	1	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

Ourse set to a disse	4 A	
Current loading		
Traversing speed	3.3 m/s	
Travelling distance	5 m	
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	
UL File No.	E335179	
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 ΜΩ	
Overvoltage category	III	
Specific insulation resistance	30 mΩ	
Thermal resistance, piping	Flame retardant according to UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2	

Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
Moroccan declaration of conformity	✓
China-RoHS	✓
cULus certificate	✓

Classifications

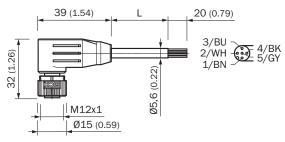
ECLASS 5.0	19030312
ECLASS 5.1.4	19030312
ECLASS 6.0	27060304
ECLASS 6.2	27060304
ECLASS 7.0	27060304
ECLASS 8.0	27060304
ECLASS 8.1	27060304
ECLASS 9.0	27060304
ECLASS 10.0	27060304
ECLASS 11.0	27060304
ECLASS 12.0	27060304

YG2A25-030UB6XLEAX | Sensor-actuator cables

CONNECTORS AND CABLES

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_cables

	Brief description	Туре	part no.		
connectors and cables					
	Connection type head A: Male connector, M12, 5-pin, straight, A-coded Description: Unshielded 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 Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm² 	DOS-1205-G	6009719		
Mounting systems					
	 Description: M12 mounting key set for SW13 with calibrated torque 0.6 Nm Packing unit: 1 piece Suitable for: M12 Standard 	TOOL-TW06M12AF13	5337208		

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

