



YG2A14-050UW1XLEAX

Sensor-actuator cables

CONNECTORS AND CABLES

SICK
Sensor Intelligence.



Ordering information

Type	part no.
YG2A14-050UW1XLEAX	2104887

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

Detailed technical data

Technical specifications

Connection type head A	Female 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	
Seal material	FKM	
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	0.34 mm ²	
Shielding	Unshielded	
Bending radius	Flexible use	> 10 x cable diameter
		> 5 x cable diameter
		> 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		43,587 kV

Current loading	4 A
Traversing speed	3 m/s
Travelling distance	5 m
Acceleration	≤ 5 m/s ²
Signal type	Sensor/actuator cable
Torsion force	360° / 1 m
Torsion cycles	1,000,000
Cycles per minutes	35
Application	Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Weld-spark resistant
Authorizations	CE UL
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 MΩ
Oversupply 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
ETIM 8.0	EC003249

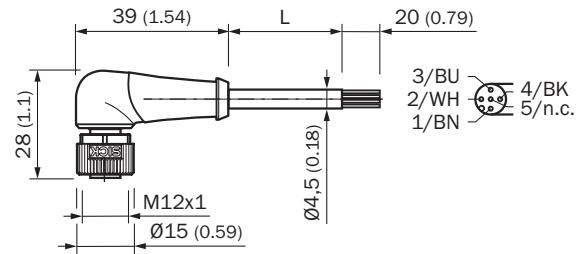
UNSPSC 16.0901

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Certificates

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

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