



YF2A14-050UB3XLEAX

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
YF2A14-050UB3XLEAX	2095608

Other models and accessories → www.sick.com/



Detailed technical data

Technical specifications

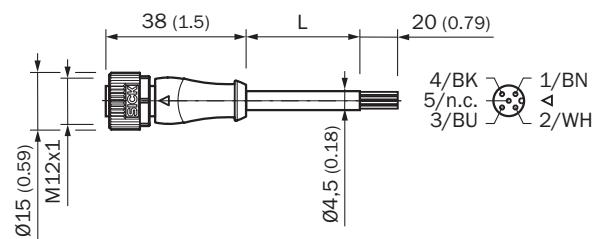
Accessory group	Plug connectors and cables
Accessory family	Connecting cables
Connection type head A	Female connector, M12, 4-pin, straight, A-coded
Connection type head B	Flying leads
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Zinc die-cast, nickel-plated
Seal material	FKM
Tightening torque	0.6 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	<p>Flexible use > 10 x cable diameter</p> <p>Stationary position > 5 x cable diameter</p> <p>Drag chain operation > 10 x cable diameter</p>
Bending cycles	10,000,000
Reference voltage	≤ 250 V AC/DC
Rated impulse voltage	2.5 kV
Current loading	4 A
Traversing speed	3 m/s
Travelling distance	10 m
Acceleration	≤ 10 m/s ²

Signal type	Sensor/actuator cable	
Torsion force	180° / 1 m	
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	
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 MΩ	
Overvoltage category	III	
Specific insulation resistance	30 mΩ	
Thermal resistance, cable	Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, IEC 60332-2-2	

Classifications

ECI@ss 5.0	19030312
ECI@ss 5.1.4	19030312
ECI@ss 6.0	27060304
ECI@ss 6.2	27060304
ECI@ss 7.0	27060304
ECI@ss 8.0	27060304
ECI@ss 8.1	27060304
ECI@ss 9.0	27060304
ECI@ss 10.0	27060304
ECI@ss 11.0	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/

	Brief description	Type	Part no.
Other mounting accessories			
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208
Plug connectors and cables			
	Head A: female connector, M12, 5-pin, straight Cable: unshielded	DOS-1205-G	6009719
	Head A: male connector, M12, 5-pin, straight Cable: unshielded For field bus technology	STE-1205-G	6022083

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