Online data sheet



YF8U13-C50UA1M8U13

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
YF8U13-C50UA1M8U13	2096300

Other models and accessories ➜ www.sick.com/

c UL us LISTED CYJV Cable Assembly

Detailed technical data

Technical specifications

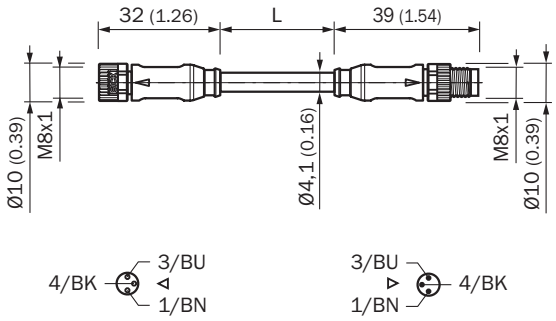
Accessory group	Plug connectors and cables
Accessory family	Connection cables
Connection type head A	Female connector, M8, 3-pin, straight, A-coded
Connection type head B	Male connector, M8, 3-pin, straight, A-coded
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Zinc die-cast, nickel-plated (female connector), Nickel-plated brass (male connector)
Seal material	FKM
Tightening torque	0.4 Nm
Width across flats	9
Cable	0.5 m, 3-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	4.1 mm
Conductor cross-section	0.25 mm²
Shielding	Unshielded
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
Reference voltage	≤ 60 V DC
Rated impulse voltage	1.5 kV
Current loading	4 A
Traversing speed	3.3 m/s
Travelling distance	5 m
Acceleration	≤ 5 m/s²
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
Authorizations	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

Classifications

ECl@ss 6.0	27279218
ECl@ss 7.0	27279218
ECl@ss 8.0	27279218
ECl@ss 9.0	27060311

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, M8 mounting key set for SW9 with calibrated torque 0.4 Nm	TOOL-TW04M08AF09	5337207

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

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