

YF8U13-020S02M8U13

Other connectors and cables

CONNECTORS AND CABLES

SICK
Sensor Intelligence.

Ordering information

Type	part no.
YF8U13-020S02M8U13	2115360

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



Detailed technical data

Technical specifications

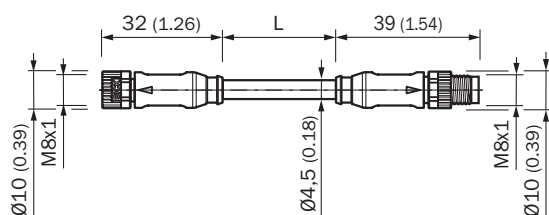
Connection type head A	Female connector, M8, 3-pin, straight, A-coded
Connection type head B	Male connector, M8, 3-pin, straight, A-coded
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Zinc die-cast, nickel-plated (female connector), Nickel-plated brass (male connector)
Seal material	FKM
Tightening torque	0.4 Nm
Width across flats	9
Cable	2 m, 3-wire, PVC
Jacket material	PVC
Jacket color	Gray
Cable diameter	4.5 mm
Conductor cross section	0.25 mm ²
Shielding	Unshielded
Bending radius	
Flexible use	> 10 x cable diameter
Stationary position	> 5 x cable diameter
Nominal voltage, cable	300 V AC
Test voltage, cable	2,000 V AC
Reference voltage	
	48 V AC
	60 V DC
Rated impulse voltage	1.5 kV
Current loading	≤ 4 A
Signal type	Sensor/actuator cable
Special feature	Without label tag
Application	Zones with chemicals
Authorizations	UL CE

UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
Operating temperature	
Flexible use	-5 °C ... +80 °C
Stationary position	-30 °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, piping	Flame retardant according to UL 1581 VW1 / CSA FT1

Certificates

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

Dimensional drawing



4/BK 3/BU
1/BN

3/BU 4/BK
1/BN

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