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DATA SHEET

YF8U13-080VA1XLEAX

Sensor-actuator cables
Connectors and cables

SICK Sensor Intelligence

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CONNECTORS AND CABLES

YF8U13-080VA1XLEAX

ORDERING INFORMATION

Type	part no.
YF8U13-080VA1XLEAX	2144409

Further device versions and accessories at www.sick.com/Sensor-actuator_cables

DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

Connection type head A	Female connector, M8, 3-pin, straight, A-coded
Connection type head B	Flying leads
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Nickel-plated brass
Tightening torque	0.4 Nm
Width across flats	9
Cable	8 m, 3-wire, PVC
Jacket material	PVC
Jacket color	Gray
Cable diameter	4.5 mm
Conductor cross section	0.25 mm²
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	50 V AC 60 V DC
Rated impulse voltage	1.5 kV
Current loading	4 A
Signal type	Sensor/actuator cable
Application	Uncontaminated zones Zones with chemicals
UL File No.	E335179

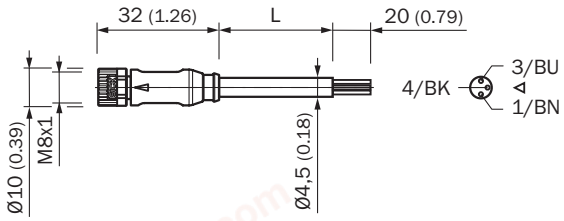
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Enclosure rating	IP65 / IP66K / IP67
Operating temperature	
Flexible use	–5 °C ... +80 °C
Stationary position	–30 °C ... +80 °C
Head	–25 °C ... +85 °C
Contamination rating	3
Insulation resistance	100 MΩ
Overvoltage category	III
Specific insulation 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	✓
China Compulsory Product Certification (CCC) exempt	✓
cULus certificate	✓

DIMENSIONAL DRAWING



Dimensions in mm (inch)

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/2144409

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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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