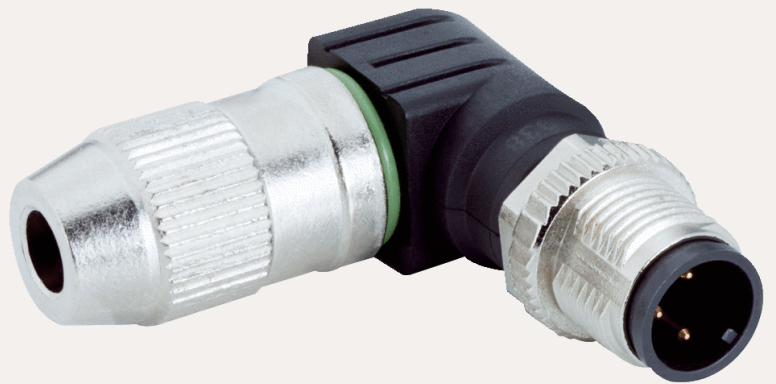




DATA SHEET

YN12U13-2550K4051A

Field-wireable connectors
Connectors and cables

SICK

Sensor Intelligence



CONNECTORS AND CABLES

YN12U13-2550K4051A

ORDERING INFORMATION

Type	part no.
YN12U13-2550K4051A	2109294

Further device versions and accessories at www.sick.com/Field-wireable_connectors



DETAILED TECHNICAL DATA

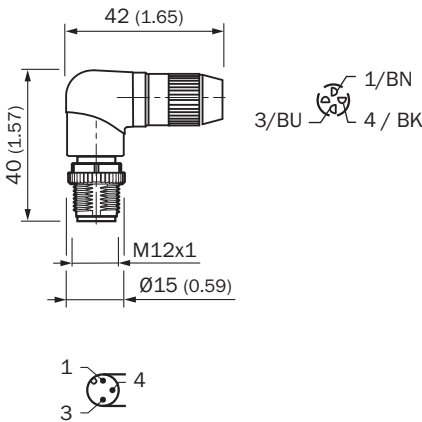
TECHNICAL SPECIFICATIONS

Connection type head A	Male connector, M12, 3-pin, angled, A-coded	
Connection type	IDC quick connection	
Locking plug connector	Screw connection	
Connector material	TPU	
Connector color	Black	
Locking nut material	Zinc die-cast, nickel-plated	
Seal material	PUR	
Tightening torque	0.6 Nm	
Width across flats	13	
Permitted cable diameter	4 mm ... 5.1 mm	
Permitted cross-section	0.25 mm² ... 0.5 mm²	
Reference voltage	32 V AC 32 V DC	
Rated impulse voltage	0.8 kV	
Current loading	4 A	
Signal type	Sensor/actuator cable	
Application	Zones with oils and lubricants	
Enclosure rating	IP67	
Operating temperature	Head	-25 °C ... +85 °C
Contamination rating	3	
Insulation resistance	100 MΩ	
Overvoltage category	III	
Specific insulation resistance	30 mΩ	

CERTIFICATES

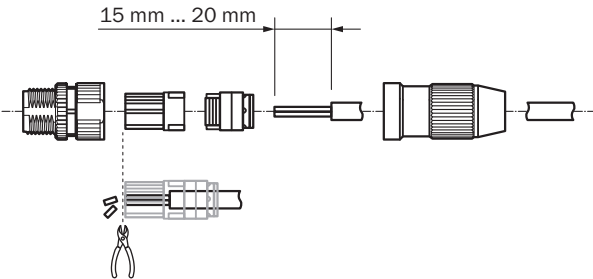
EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓
China Compulsory Product Certification (CCC) exempt	✓

DIMENSIONAL DRAWING



Dimensions in mm (inch)

INSTALLATION DRAWING



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/2109294



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GERMANY
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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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