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Product data sheet



YM2A2B-050UD3XLEAX

SICK
Sensor Intelligence.

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YM2A2B-050UD3XLEAX



Ordering information

Type	Part no.
YM2A2B-050UD3XLEAX	6042732

Other models and accessories → www.sick.com/

Detailed technical data

Technical specifications

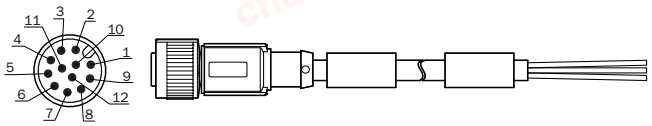
Accessory group	Plug connectors and cables
Accessory family	Connecting cables
Connection type head A	Male connector, M12, 12-pin, straight, A-coded
Connection type head B	Flying leads
Connection type	Flying leads
Connector material	TPU
Locking nut material	Zinc die-cast, nickel-plated
Cable	5 m, 12-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	8.5 mm
Conductor cross-section	0.14 mm²
Shielding	Shielded
Bending radius	
Flexible use	> 10 x cable diameter
Stationary position	> 5 x cable diameter
Bending cycles	2,000,000
Reference voltage	
	≤ 30 V
Current loading	1.5 A
Traversing speed	3 m/s
Travelling distance	10 m
Acceleration	≤ 10 m/s²
Signal type	Sensor/actuator cable, I/O
Special feature	Twisted pair
Application	Drag chain operation
Enclosure rating	IP65/ IP67
Ambient operating temperature	
Stationary position	–30 °C ... +80 °C
Head	–25 °C ... +90 °C

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Classifications

ECl@ss 5.0	19030312
ECl@ss 5.1.4	19030312
ECl@ss 6.0	27060304
ECl@ss 6.2	27060304
ECl@ss 7.0	27060304
ECl@ss 8.0	27060304
ECl@ss 8.1	27060304
ECl@ss 9.0	27060304
ECl@ss 10.0	27060304
ECl@ss 11.0	27060304
ECl@ss 12.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
ETIM 8.0	EC003249
UNSPSC 16.0901	26121604

PIN assignment



① Brown
② Blue
③ White
④ Green
⑤ Pink
⑥ Yellow
⑦ Black
⑧ Gray
⑨ Red
⑩ Violet
⑪ Gray-pink
⑫ Red-blue

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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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