



YF2AA8-020S01MKA18

SICK
Sensor Intelligence.



Ordering information

| Type | Part no. |
|--------------------|----------|
| YF2AA8-020S01MKA18 | 2099207 |

Other models and accessories → www.sick.com/

Detailed technical data

Technical specifications

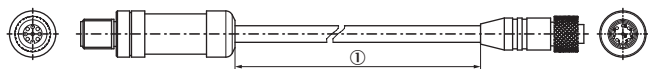
| | |
|--------------------------------------|---|
| Accessory group | Plug connectors and cables |
| Accessory family | Connection cables |
| Connection type head A | Female connector, M12, 8-pin, straight, A-coded |
| Connection type head B | Male connector, M12, 8-pin, straight, A-coded |
| Connector color | Black |
| Cable | 2 m, 8-wire, PUR, halogen-free |
| Jacket material | PUR, halogen-free |
| Cable diameter | 7 mm |
| Conductor cross-section | 4 x 2 x 0.25 mm ² |
| Shielding | Shielded |
| Permitted cross-section | ≤ 0.25 mm ² |
| Bending cycles | > 2,000,000 |
| Reference voltage | ≤ 30 V |
| Current loading | 1.75 A |
| Application | Drag chain operation |
| Note | Drag chain use |
| Enclosure rating | IP67 |
| Ambient operating temperature | |
| Flexible use | -25 °C ... +80 °C |
| Stationary position | -50 °C ... +80 °C |
| Head | -25 °C ... +80 °C |

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 |
| ETIM 5.0 | EC000830 |

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|-----------------------|----------|
| ETIM 6.0 | EC000830 |
| UNSPSC 16.0901 | 26121604 |

Dimensional drawing (Dimensions in mm (inch))



① See technical data for length of cable

| Wire colors (cable connection) | Male connector M12, 8-pin |
|--------------------------------|---------------------------|
| Brown | 1 |
| White | 2 |
| Black | 3 |
| Red | 4 |
| Yellow | 5 |
| Yellow | 6 |
| Blue | 7 |
| Red | 8 |
| Screen | Housing side |

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