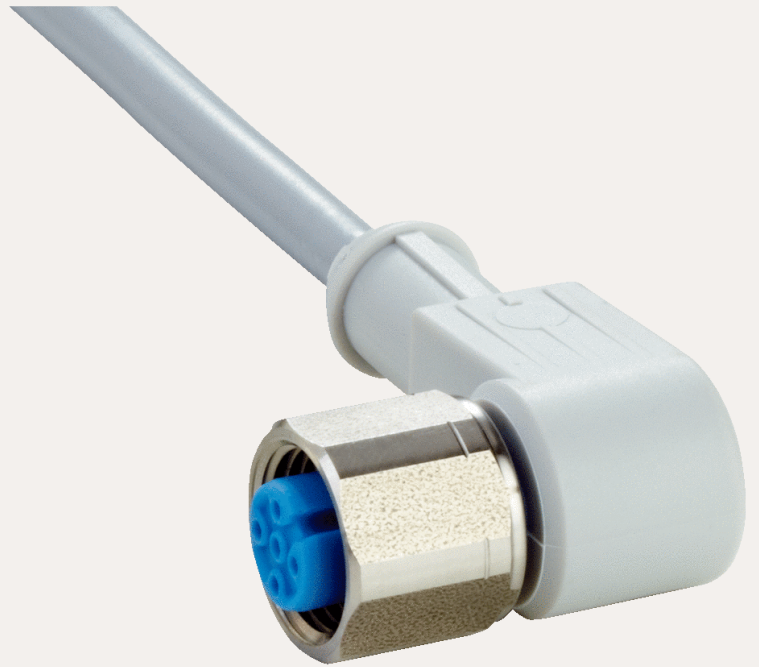




DATA SHEET

# YG2AP4-050VB3XLEAX

Sensor-actuator cables  
Connectors and cables

# SICK

Sensor Intelligence



CONNECTORS AND CABLES

YG2AP4-050VB3XLEAX

ORDERING INFORMATION

| Type               | part no. |
|--------------------|----------|
| YG2AP4-050VB3XLEAX | 6052616  |

Further device versions and accessories at [www.sick.com/Sensor-actuator\\_cables](http://www.sick.com/Sensor-actuator_cables)



DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

|                         |                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection type head A  | Female connector, M12, 4-pin, angled                                                                                                             |
| Connection type head B  | Flying leads                                                                                                                                     |
| Connection type         | Flying leads                                                                                                                                     |
| Connector material      | PUR                                                                                                                                              |
| Connector color         | Gray                                                                                                                                             |
| Locking nut material    | Stainless steel (V4A/1.4404)                                                                                                                     |
| Tightening torque       | 0.6 Nm                                                                                                                                           |
| Width across flats      | 14                                                                                                                                               |
| Cable                   | 5 m, 4-wire, PVC                                                                                                                                 |
| Jacket material         | PVC                                                                                                                                              |
| Jacket color            | Gray                                                                                                                                             |
| Cable diameter          | 5 mm                                                                                                                                             |
| Conductor cross section | 0.34 mm²                                                                                                                                         |
| Shielding               | Unshielded                                                                                                                                       |
| Bending radius          |                                                                                                                                                  |
|                         | Flexible use > 10 x cable diameter                                                                                                               |
|                         | Stationary position > 5 x cable diameter                                                                                                         |
| Reference voltage       | ≤ 250 V                                                                                                                                          |
| Rated impulse voltage   | 2.5 kV                                                                                                                                           |
| Current loading         | 4 A                                                                                                                                              |
| Signal type             | Sensor/actuator cable                                                                                                                            |
| Application             | Uncontaminated zones<br>Hygienic and washdown zones<br>Zones with chemicals                                                                      |
| Note                    | This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind. <sup>1)</sup> |

<sup>1)</sup> Tested cleaning agents: 3% P3 – topax 990, 5% P3 – topoactive 200, 5% P3 – topax 52, 3% P3 – topax 66, 3% P3 – topoactive OKTO; Insulating material group: Cat I.

<sup>2)</sup> Insulating material group: Cat I.

|                       |                                                                            |                   |
|-----------------------|----------------------------------------------------------------------------|-------------------|
|                       | Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>2)</sup> |                   |
| UL File No.           | CYJV.E335179                                                               |                   |
| Enclosure rating      | IP65/ IP67/ IP69K                                                          |                   |
| Operating temperature |                                                                            |                   |
|                       | Flexible use                                                               | -5 °C ... +80 °C  |
|                       | Stationary position                                                        | -30 °C ... +80 °C |
|                       | Head                                                                       | -25 °C ... +85 °C |

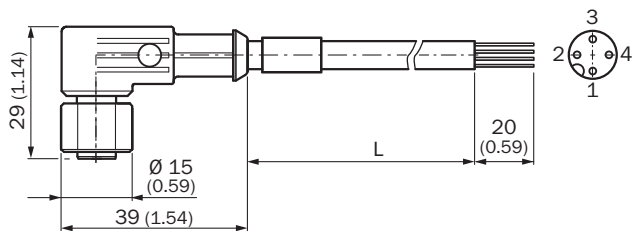
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<sup>2)</sup> Insulating material group: Cat I.

## 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)

- ① brn
- ② wht
- ③ blu
- ④ blk

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/6052616](http://www.sick.com/6052616)



SICK AG  
WALDKIRCH  
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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