

# DOL-2312-G1M5MA1

Sensor-actuator cables

CONNECTORS AND CABLES

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
DOL-2312-G1M5MA1	2029200

Other models and accessories → [www.sick.com/Sensor-actuator\\_cables](http://www.sick.com/Sensor-actuator_cables)



### Detailed technical data

#### Technical specifications

<b>Connection type head A</b>	Female connector, M23, 12-pin, straight
<b>Connection type head B</b>	Flying leads
<b>Connector material</b>	TPU
<b>Connector color</b>	Black
<b>Locking nut material</b>	Brass, nickel-plated
<b>Cable</b>	1.5 m, 12-wire, PUR, halogen-free
<b>Jacket material</b>	PUR, halogen-free
<b>Jacket color</b>	Black
<b>Cable diameter</b>	7.8 mm
<b>Conductor cross section</b>	4 x 2 x 0.25 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup> + 2 x 0.14 mm <sup>2</sup>
<b>Shielding</b>	Shielded
<b>Bending radius</b>	
Flexible use	> 15 x cable diameter
Stationary position	> 5 x cable diameter
<b>Reference voltage</b>	≤ 160 V
<b>Current loading</b>	7 A
<b>Signal type</b>	SSI, RS-422, TTL, HTL
<b>Enclosure rating</b>	IP66/ IP67
<b>Operating temperature</b>	
Flexible use	-30 °C ... +90 °C
Stationary position	-20 °C ... +130 °C

#### Certificates

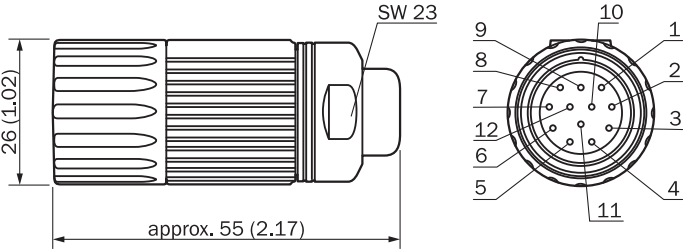
<b>EU declaration of conformity</b>	✓
<b>China RoHS</b>	✓

#### Classifications

<b>ECLASS 5.0</b>	19030312
<b>ECLASS 5.1.4</b>	19030312
<b>ECLASS 6.0</b>	27060304
<b>ECLASS 6.2</b>	27060304

ECLASS 7.0	27060304
ECLASS 8.0	27060304
ECLASS 8.1	27060304
ECLASS 9.0	27060304
ECLASS 10.0	27060304
ECLASS 11.0	27060304
ECLASS 12.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
ETIM 8.0	EC003249
UNSPSC 16.0901	26121604

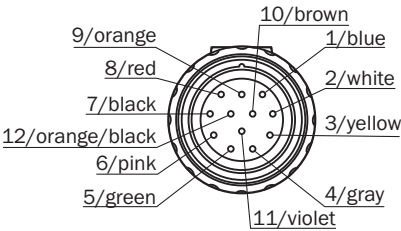
Dimensional drawing



Dimensions in mm (inch)

- ① blue
- ② White
- ③ Yellow
- ④ Gray
- ⑤ Green
- ⑥ Pink
- ⑦ Black
- ⑧ Red
- ⑨ Orange
- ⑩ Brown
- ⑪ Purple
- ⑫ Orange/black

Dimensional drawing



Dimensions in mm (inch)

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