

# DOL-2312-G1M5A3S01

Sensor/actuator cable

**PLUG CONNECTORS AND CABLES**

**SICK**  
Sensor Intelligence.

### Ordering information

Type	Part no.
DOL-2312-G1M5A3S01	2120917

Other models and accessories → [www.sick.com/Sensor\\_actuator\\_cable](http://www.sick.com/Sensor_actuator_cable)

### Detailed technical data

#### Technical specifications

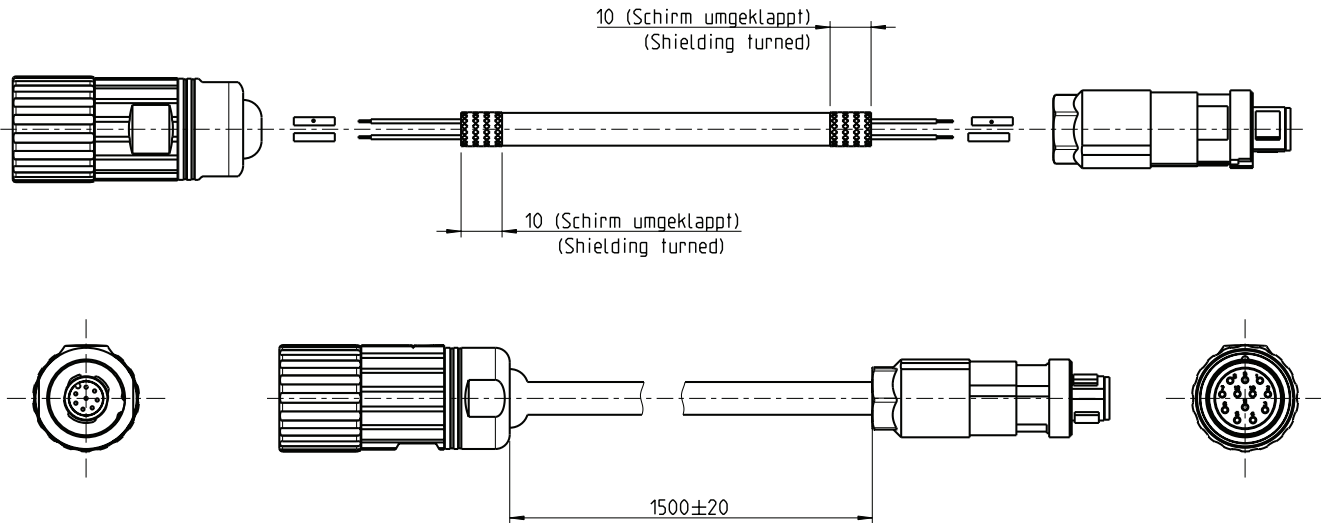
<b>Connection type head A</b>	Cable with female connector, M23, 12-pin, straight
<b>Connection type head B</b>	Male connector, M12, 8-pin
<b>Locking nut material</b>	Zinc die-cast, nickel-plated
<b>Cable</b>	1.5 m, 12-wire, PUR, halogen-free
<b>Jacket material</b>	PUR, halogen-free
<b>Jacket color</b>	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>	Stationary position > 5 x cable diameter Drag chain operation > 7.5 x cable diameter
<b>Reference voltage</b>	≤ 160 V
<b>Current loading</b>	≤ 7 A
<b>Signal type</b>	Incremental
<b>Enclosure rating</b>	IP66/ IP67
<b>Description</b>	Head A: Cable with female connector, M23, 12-pin, straight Head B: Male connector, M12, 8-pin
<b>Specialty</b>	M12 male connector at the end of cable with M23 female connector

#### 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
<b>ECLASS 7.0</b>	27060304
<b>ECLASS 8.0</b>	27060304
<b>ECLASS 8.1</b>	27060304
<b>ECLASS 9.0</b>	27060304
<b>ECLASS 10.0</b>	27060304
<b>ECLASS 11.0</b>	27060304
<b>ECLASS 12.0</b>	27060304

<b>ETIM 5.0</b>	EC000830
<b>ETIM 6.0</b>	EC000830
<b>ETIM 7.0</b>	EC003249
<b>ETIM 8.0</b>	EC003249
<b>UNSPSC 16.0901</b>	26121604

Dimensional drawing (Dimensions in mm (inch))



PIN assignment

Pos. 120 Dose / female connector 12-polig / 12-pin	Leitung / cable Farbe / colour 12-adrig / 12-wire	Pos. 130 Stecker / male connector 8-polig / 8-pin
1	schwarz/black	6
2	grau/grey	-
3	lila/purple	7
4	gelb/yellow	8
5	weiss/white	3
6	braun/brown	4
7	-	-
8	rosa/pink	5
9	Schirm/screen	Steckergehäuse / connector housing
10	blau/blue	1
11	grün/green	-
12	rot/red	2

## 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)