



# DOL-2312-G20MMA3

Sensor/actuator cable

PLUG CONNECTORS AND CABLES

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
DOL-2312-G20MMA3	2029216

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

### Detailed technical data

#### Technical specifications

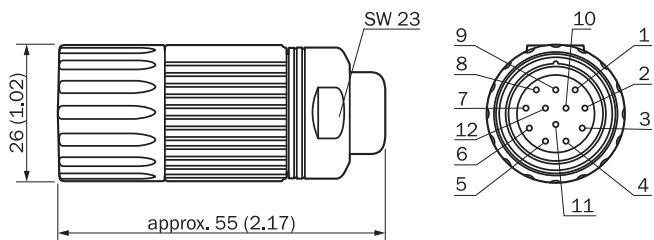
<b>Accessory group</b>	Plug connectors and cables				
<b>Accessory family</b>	Connecting cables				
<b>Connection type head A</b>	Female connector, M23, 12-pin, straight				
<b>Connection type head B</b>	Flying leads				
<b>Locking nut material</b>	Zinc die-cast, nickel-plated				
<b>Cable</b>	20 m, 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>	<table border="0"> <tr> <td style="padding-right: 20px;">Stationary position</td> <td>&gt; 5 x cable diameter</td> </tr> <tr> <td>Drag chain operation</td> <td>&gt; 7.5 x cable diameter</td> </tr> </table>	Stationary position	> 5 x cable diameter	Drag chain operation	> 7.5 x cable diameter
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: Female connector, M23, 12-pin, straight Head B: Cable Cable: Incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.25 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup> + 1 x 0.14 mm <sup>2</sup> , Ø 7.8 mm				

#### 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))



- ① Black
- ② Gray
- ③ Purple
- ④ Yellow
- ⑤ White
- ⑥ Brown
- ⑥ Pink
- ⑨ Screen
- ⑩ Blue
- ⑪ Green
- ⑫ Red

## 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)