

DOL-2312-G10MMA3

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
DOL-2312-G10MMA3	2029215

Other models and accessories -> www.sick.com/Sensor_actuator_cable

Detailed technical data

Technical specifications

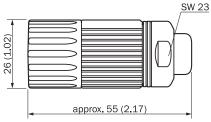
Accessory family Connection gables Connection type head A Female connector, M23, 12-pin, straight Connection type head B Flying leads Locking nut material Zinc die-cast, nickel-plated Cable 10 m, 12-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Conductor cross section 7.8 mm Conductor cross section 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 2 x 0.14 mm² Shielding Stationary position Proag chain operation > 5 x cable diameter Profesence voltage \$ 160 V Current loading 7 A Signal type Incremental Enclosure rating 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 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², p' 7.8 mm	•		
Connection type head A Connection type head B Locking nut material Cable Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Stationary position Drag chain operation Drag chain operation Reference voltage Current loading Signal type Locking nut material Flying leads Flying le	Accessory group		Plug connectors and cables
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Cable 10 m, 12-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter 7.8 mm Conductor cross section 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 2 x 0.14 mm² Shielding Stationary position Drag chain operation Drag chain operation Reference voltage ≤ 160 V Current loading 7 A Signal type Incremental Enclosure rating PUR, halogen-free 10 m, 12-wire, PUR, halogen-free PUR, halogen-free, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm²,	Connection type head B		Flying leads
Jacket material PUR, halogen-free Jacket color Black Cable diameter 7.8 mm Conductor cross section 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 2 x 0.14 mm² Shielding Shielded Bending radius > 5 x cable diameter Programment > 7.5 x cable diameter Programment > 7.5 x cable diameter Current loading 7 A Signal type Incremental Enclosure rating IP66/ IP67 Description 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 mm² + 2 x 0.5 mm² + 1 x 0.14 mm²,	Locking nut material		Zinc die-cast, nickel-plated
Jacket color Black Cable diameter 7.8 mm Conductor cross section 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 2 x 0.14 mm² Shielding Shielded Bending radius Stationary position Drag chain operation Program operation Drag chain operation Program operation Drag chain operation Program o	Cable		10 m, 12-wire, PUR, halogen-free
Cable diameter 7.8 mm Conductor cross section 4 x 2 x 0.25 mm² + 2 x 0.14 mm² Shielding Shielded Bending radius > 5 x cable diameter Drag chain operation > 7.5 x cable diameter Reference voltage ≤ 160 V Current loading 7 A Signal type Incremental Enclosure rating IP66/ IP67 Description 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 mm² + 2 x 0.5 mm² + 1 x 0.14 mm²,	Jacket material		PUR, halogen-free
Conductor cross section 4 x 2 x 0.25 mm² + 2 x 0.14 mm² Shielding Bending radius Stationary position Drag chain operation Provided	Jacket color		Black
Shielding Bending radius Stationary position Drag chain operation Reference voltage ≤ 160 V Current loading T A Signal type Incremental IP66/ IP67 Description 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 mm² +2 x 0.5 mm² +1 x 0.14 mm²,	Cable diameter		7.8 mm
Bending radius Stationary position Drag chain operation Reference voltage ≤ 160 V Current loading 7 A Signal type Incremental Enclosure rating 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 mm² +2 x 0.5 mm² +1 x 0.14 mm²,	Conductor cross section	ı	4 x 2 x 0.25 mm ² + 2 x 0.5 mm ² + 2 x 0.14 mm ²
Stationary position Drag chain operation Reference voltage ≤ 160 V Current loading 7 A Signal type Enclosure rating Description Stationary position > 5 x cable diameter > 7.5 x cable diameter > 7.5 x cable diameter > 7.6 V Enclosure rating Note the properties of th	Shielding		Shielded
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Reference voltage ≤ 160 V Current loading 7 A Signal type Incremental Enclosure rating IP66/ IP67 Description 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 mm² +2 x 0.5 mm² +1 x 0.14 mm²,		Stationary position	> 5 x cable diameter
≤ 160 V Current loading 7 A Signal type Incremental Enclosure rating IP66/ IP67 Description 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 mm² +2 x 0.5 mm² +1 x 0.14 mm²,		Drag chain operation	> 7.5 x cable diameter
Current loading 7 A Signal type Incremental Enclosure rating IP66/ IP67 Description 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 mm² +2 x 0.5 mm² +1 x 0.14 mm²,	Reference voltage		
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Enclosure rating IP66/ IP67 Description 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 mm² +2 x 0.5 mm² +1 x 0.14 mm²,	Current loading		7 A
Description 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 mm² +2 x 0.5 mm² +1 x 0.14 mm²,	Signal type		Incremental
for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.25 mm ² +2 x 0.5 mm ² +1 x 0.14 mm ² ,	Enclosure rating		IP66/ IP67
	Description		for drag chain, PUR, halogen-free, shielded, $4 \times 2 \times 0.25 \text{ mm}^2 + 2 \times 0.5 \text{ mm}^2 + 1 \times 0.14 \text{ mm}^2$,

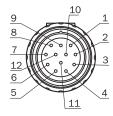
Classifications

ECLASS 5.0	19030312
ECLASS 5.1.4	19030312
ECLASS 6.0	27060304
ECLASS 6.2	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 Black
- ② Gray③ Purple
- 4 Yellow
- ⑤ White 6 Brown
- 8 Pink
- 9 Screen
- 10 Blue
- 11 Green
- 12 Red

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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.

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