

DOL-2312-G1M5MA1

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
DOL-2312-G1M5MA1	2029200

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

Detailed technical data

Technical specifications

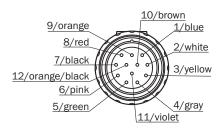
Flexible use Stationary position Stationary p		
Connection type head A Female connector, M23, 12-pin, straight Connector material Flying leads Connector color Black Locking nut material Brass, nickel-plated Cable 1.5 m, 12-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable 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 > 15 x cable diameter Flexible use > 5 x cable diameter Stationary position > 5 x cable diameter Current loading 7 A Signal type \$160 V Current loading type \$1 x x x x x x x x x x x x x x x x x x x	Accessory group	Plug connectors and cables
Connection type head B Connector material Connector color Locking nut material Brass, nickel-plated Locking nut material PUR, halogen-free Black Cable Black Cable diameter T,8 mm Conductor cross section Av 2 x 0.25 mm² + 2 x 0.14 mm² Shielding Bending radius Flexible use Stationary position Flexible use Stationary position Flexible use Stationary position TA Signal type SSI, RS-422, TTL, HTL Enclosure rating Ambient operating temperature Flexible use Flexible use Slexible use -30 °C +90 °C	Accessory family	Connecting cables
Connector material TPU Connector color Black Locking nut material Brass, nickel-plated Cable 1.5 m, 12-wire, PUR, halogen-free 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 Flexible use > 15 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Reference voltage ≤ 160 V Current loading 7 A Signal type SSI, RS-422, TTL, HTL Enclosure rating Ple6/ IP67 Ambient operating temperature Flexible use -30 °C +90 °C	Connection type head A	Female connector, M23, 12-pin, straight
Connector color Black Locking nut material Brass, nickel-plated Cable 1.5 m, 12-wire, PUR, halogen-free 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 Flexible use > 15 x cable diameter Stationary position > 5 x cable diameter Stationary position 7 A Current loading 7 A Signal type SSI, RS-422, TTL, HTL Enclosure rating IP66/ IP67 Ambient operating temperature Flexible use -30 °C +90 °C	Connection type head B	Flying leads
Locking nut material Brass, nickel-plated Cable 1.5 m, 12-wire, PUR, halogen-free 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 > 15 x cable diameter Stationary position > 5 x cable diameter Stationary position ≤ 160 V Current loading 7 A Signal type SSI, RS-422, TTL, HTL Enclosure rating IP66/ IP67 Ambient operating temperature Flexible use Flexible use -30 °C +90 °C	Connector material	TPU
Cable Jacket material Jacket color Black Cable diameter 7.8 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Reference voltage Current loading Signal type Flexible use Flexible use Flexible use Flexible use Flexible use Signal type Flexible use Flexible use Flexible use Flexible use Signal type Flexible use	Connector color	Black
Jacket material 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 Bending radius Flexible use Stationary position Reference voltage Current loading 7 A Signal type Sol, RS-422, TTL, HTL Enclosure rating Ambient operating temperature Flexible use Flexible use Flexible use Flexible use -30 °C +90 °C	Locking nut material	Brass, 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 > 15 x cable diameter Stationary position > 5 x cable diameter Reference voltage ≤ 160 V Current loading 7 A Signal type SSI, RS-422, TTL, HTL Enclosure rating IP66/ IP67 Ambient operating temperature -30 °C +90 °C	Cable	1.5 m, 12-wire, PUR, halogen-free
Cable diameter7.8 mmConductor cross section4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 2 x 0.14 mm²ShieldingShieldedFlexible use Stationary position> 15 x cable diameterReference voltage> 5 x cable diameterCurrent loading7 ASignal typeSSI, RS-422, TTL, HTLEnclosure ratingIP66/ IP67Ambient operating temperatureFlexible useFlexible use-30 °C +90 °C	Jacket material	PUR, halogen-free
Conductor cross section 4 x 2 x 0.25 mm² + 2 x 0.14 mm² Shielding Shielded Bending radius Flexible use Stationary position > 15 x cable diameter Reference voltage ≤ x cable diameter Current loading 7 A Signal type SSI, RS-422, TTL, HTL Enclosure rating IP66/ IP67 Ambient operating temperature Flexible use Flexible use -30 °C +90 °C	Jacket color	Black
Shielding Bending radius Flexible use Stationary position Reference voltage ≤ 160 V Current loading Signal type Enclosure rating Ambient operating temperature Flexible use Shielded > 15 x cable diameter > 5 x cable diameter > 5 x cable diameter > 7 x Cable diameter > 5 x cable diameter > 6 x cable diameter > 7 x cable diameter > 7 x cable diameter > 6 x cable diameter > 7 x cable diameter > 7 x cable diameter > 7 x cable diameter > 8 x cable diameter > 7 x cable diameter > 8 x cable diameter > 7 x cable diameter > 7 x cable diameter > 8	Cable diameter	7.8 mm
Bending radius Flexible use Stationary position Reference voltage ≤ 160 V Current loading Signal type Enclosure rating Ambient operating temperature Flexible use Flexible use Flexible use > 15 x cable diameter > 5 x cable diameter > 6 x cable diameter > 7 A	Conductor cross section	4 x 2 x 0.25 mm ² + 2 x 0.5 mm ² + 2 x 0.14 mm ²
Flexible use Stationary position Reference voltage ≤ 160 V Current loading 7 A Signal type SSI, RS-422, TTL, HTL Enclosure rating Ambient operating temperature Flexible use > 15 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 160 V Current loading 7 A SSI, RS-422, TTL, HTL P66/ IP67 Ambient operating temperature Flexible use -30 °C +90 °C	Shielding	Shielded
Stationary position Reference voltage ≤ 160 V Current loading T A Signal type SSI, RS-422, TTL, HTL Enclosure rating IP66/ IP67 Ambient operating temperature Flexible use -30 °C +90 °C	Bending radius	
Reference voltage ≤ 160 V Current loading 7 A Signal type SSI, RS-422, TTL, HTL Enclosure rating IP66/ IP67 Ambient operating temperature Flexible use -30 °C +90 °C	Flexible use	> 15 x cable diameter
≤ 160 V Current loading 7 A Signal type SSI, RS-422, TTL, HTL Enclosure rating IP66/ IP67 Ambient operating temperature Flexible use -30 °C +90 °C	Stationary position	> 5 x cable diameter
Current loading 7 A Signal type SSI, RS-422, TTL, HTL Enclosure rating IP66/ IP67 Ambient operating temperature Flexible use -30 °C +90 °C	Reference voltage	
Signal type SSI, RS-422, TTL, HTL IP66/ IP67 Ambient operating temperature Flexible use -30 °C +90 °C		≤ 160 V
Enclosure rating IP66/ IP67 Ambient operating temperature Flexible use -30 °C +90 °C	Current loading	7 A
Ambient operating temperature Flexible use -30 °C +90 °C	Signal type	SSI, RS-422, TTL, HTL
Flexible use -30 °C +90 °C	Enclosure rating	IP66/ IP67
	Ambient operating temperature	
Stationary position -20 °C +130 °C	Flexible use	−30 °C +90 °C
	Stationary position	-20 °C +130 °C

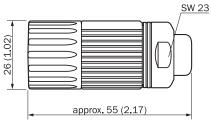
Classifications

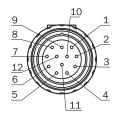
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ECLASS 5.1.4	19030312
ECLASS 6.0	27060304
ECLASS 6.2	27060304
ECLASS 7.0	27060304
ECLASS 8.0	27060304

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 Blue
- ② White
- ③ Yellow
- ④ Gray
- ⑤ Green⑥ Pink
- Tink
 Ø Fink
 Ø Black
- 8 Red
- 9 Orange
- 1 Brown
- ① Purple② Orange/black

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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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