

DSL-0803-G01M

Sensor/actuator cable





Ordering information

Туре	Part no.
DSL-0803-G01M	6034815

Other models and accessories → www.sick.com/Sensor_actuator_cable

Illustration may differ

Detailed technical data

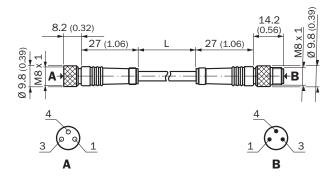
Technical specifications

Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.3 Nm Cable 1 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 5 m/s² Signal type Sensor/actuator cable		
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.3 Nm Cable 1 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Traversing speed 5 m Acceleration ≤ 5 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use 2-25 °C +80 °C Stationary position	Connection type head A	Female connector, M8, 3-pin, straight
Connector color Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.3 Nm Cable 1 m, 3-wire, PUR, halogen-free Jacket material Jacket material Jacket color Black Cable diameter 4.3 mm Conductor cross section Shielding Unshielded Bending radius Flexible use Stationary position Stationary position Flexible use 60 V Current loading Traversing speed Traversing speed Travelling distance Acceleration Signal type Application Flexible use Flexible use Conductor cross Stationary position Flexible use Flexible use Sensor/actuator cable Application Flexible use Flexible use Stationary position Flexible use Flexible use Sensor/actuator cable Application Flexible use Flexible use Stationary position Flexible use Flexible use Stationary position	Connection type head B	Male connector, M8, 3-pin, straight
Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.3 Nm Cable 1 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.3 mm Conductor cross section 0.34 mm² Shelding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Eerence voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 5 m/s² Acceleration ≤ 5 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67/ IP68 Operating temperature -25 °C +80 °C Stationary position -50 °C +80 °C	Connector material	TPU
Tightening torque 0.3 Nm Cable 1 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.3 mm Conductor cross section 0.34 mm² Shelding Unshielded Bending radius Flexible use Flexible use > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Signal type Sensor/actuator cable Application Cones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use 2.5 ° C + 80 ° C	Connector color	Black
Cable 1 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.3 mm Conductor cross section 0.34 mm² Shelding Unshielded Bending radius Flexible use Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles 2,000,000 Reference voltage 5 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 5 m/s² Acceleration 5 5 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants orag chain operation Enclosure rating 1965/ IP67/ IP68 Operating temperature Flexible use 25 °C +80 °C Stationary position -50 °C +80 °C	Locking nut material	Zinc die-cast, nickel-plated
Jacket material Jacket color Black Cable diameter 4.3 mm Conductor cross section O.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Flexible use Signal type Application Flexible use Stationary position Flexible use Sensor/actuator cable Denoting temperature Flexible use Flexible use Stationary position Flexible use Sensor/actuator cable Correct to add lubricants Drag chain operation Flexible use Flexible use Stationary position Flexible use Sensor/actuator cable Correct to add lubricants Drag chain operation Flexible use Stationary position Flexible use Stat	Tightening torque	0.3 Nm
Jacket color Black Cable diameter 4.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use Stationary position > 5 x cable diameter Bending cycles > 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67/ IP68 Operating temperature -25 °C +80 °C Stationary position -50 °C +80 °C	Cable	1 m, 3-wire, PUR, halogen-free
Cable diameter 4.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use Stationary position -25 °C +80 °C Stationary position -50 °C +80 °C	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application Enclosure rating Operating temperature Flexible use Stationary position 0.34 mm² Unshielded Unshielded 10 x cable diameter > 5 x cable diameter ≥ 2,000,000 A A A A A A A A Traversing speed 5 m Acceleration Signal type Application Flexible use Stationary position	Jacket color	Black
Shielding Bending radius Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 10 x cable diameter S	Cable diameter	4.3 mm
Sending radius Stationary position St	Conductor cross section	0.34 mm ²
Stationary position	Shielding	Unshielded
Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application Enclosure rating Operating temperature Flexible use Stationary position > 5 x cable diameter ≥ 2,000,000 4 A A A A A A A A A A A A A	Bending radius	
Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application Enclosure rating Operating temperature Flexible use Stationary position ≥ 2,000,000 4 A A A A A A A A A A A B A A	Flexible use	> 10 x cable diameter
Reference voltage \$\leq 60 \text{ V}\$ Current loading	Stationary position	> 5 x cable diameter
Current loading 4 A Traversing speed 3 m/s Travelling distance Acceleration Signal type Application Enclosure rating Plexible use Stationary position Signal type Flexible use Stationary position Signal type Sensor/actuator cable Zones with oils and lubricants Drag chain operation IP65/ IP67/ IP68 Current loading Flexible use Stationary position Signal type Sensor/actuator cable	Bending cycles	≥ 2,000,000
Current loading 7	Reference voltage	
Traversing speed Travelling distance Acceleration Signal type Application Enclosure rating Operating temperature Flexible use Stationary position S m/s 5 m Sensor/actuator cable Zones with oils and lubricants Drag chain operation IP65/ IP67/ IP68 P65/ IP67/ IP68 C -25 °C +80 °C -50 °C +80 °C		≤ 60 V
Travelling distance 5 m Acceleration ≤ 5 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Current loading	4 A
Acceleration ≤ 5 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use Stationary position -25 °C +80 °C Stationary position -50 °C +80 °C	Traversing speed	3 m/s
Signal type Sensor/actuator cable Zones with oils and lubricants Drag chain operation Enclosure rating Operating temperature Flexible use Stationary position Stationary position Sensor/actuator cable Zones with oils and lubricants Drag chain operation IP65/ IP67/ IP68 C -25 °C +80 °C -50 °C +80 °C	Travelling distance	5 m
Application Zones with oils and lubricants Drag chain operation IP65/ IP67/ IP68 Operating temperature Flexible use Stationary position Zones with oils and lubricants Drag chain operation IP65/ IP68 Operating temperature -25 °C +80 °C -50 °C +80 °C	Acceleration	≤ 5 m/s²
Drag chain operation IP65/ IP67/ IP68 Operating temperature Flexible use	Signal type	Sensor/actuator cable
Operating temperature Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Application	
Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Enclosure rating	IP65/ IP67/ IP68
Stationary position -50 °C +80 °C	Operating temperature	
	Flexible use	-25 °C +80 °C
Head -40 °C +90 °C	Stationary position	-50 °C +80 °C
	Head	-40 °C +90 °C

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))



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

