

DSL-0803-G02MC

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
DSL-0803-G02MC	6029406

Other models and accessories

www.sick.com/Sensor_actuator_cable

Illustration may differ

Detailed technical data

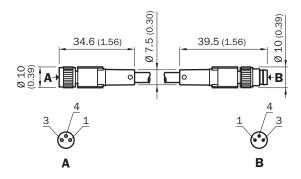
Technical specifications

Connection type head A Female connector, M8, 3-pin, straight Connector material Male connector, M8, 3-pin, straight Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.2 Nm Cable 2 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.4 mm Conductor cross section 0.25 mm³ Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 4 0 x cable diameter Stationary position > 4 x cable diameter Stationary position > 5 x cable diameter Stationary position > 4 x x x x x x x x x x x x x x x x x x	recrinical specifications	
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.2 Nm Cable 2 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.4 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter S x cable diameter > 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation UL File No. Cytyl.E335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C <th>Connection type head A</th> <th>Female connector, M8, 3-pin, straight</th>	Connection type head A	Female connector, M8, 3-pin, straight
Connector color Locking nut material Zinc die-cast, nickel-plated O.2 Nm Cable 2 m. 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter 4.4 mm 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 ULI File No. CytyE.3351.79 Enclosure rating Operating temperature Flexible use Stationary position Plexible use Scale diameter \$ 10 m CytyE.3351.79 Enclosure rating Operating temperature Flexible use Stationary position \$ 10 c. +80 °C C. +80 °C C. +40 °C C. +	Connection type head B	Male connector, M8, 3-pin, straight
Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.2 Nm Cable 2 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.4 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Sending cycles ≥ 4,000,000 Reference voitage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation UL File No. CYJVE.335179 Enclosure rating IP65/ IP67 / IP68 Operating temperature Flexible use Stationary position -0 °C +80 °C	Connector material	TPU
Tightening torque 0.2 Nm Cable 2 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.4 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 4,000,000 Reference voitage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature Fiexible use Stationary position -25 °C +80 °C Stationary position -40 °C +80 °C	Connector color	Black
Cable 2 m, 3-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter 4.4 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating PREXIBLE use -25 ° C +80 ° C Stationary position 50 m + 80 ° C -40 ° C +80 ° C	Locking nut material	Zinc die-cast, nickel-plated
Jacket material Jacket color Black Cable diameter 4.4 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage \$\(\cdot \) Current loading Traversing speed Travelling distance Acceleration Signal type Application UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position Black 4.4 mm Aunu 1.0 x cable diameter > 5 x cable diameter > 60 V Current loading 4 A A Traversing speed 3 m/s Travelling distance 4.0 m/s² Sensor/actuator cable Application CyJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position Flexible use C-25 °C +80 °C -40 °C +80 °C	Tightening torque	0.2 Nm
Jacket color Cable diameter 4.4 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage \$\(\circ \text{60 V} \) Current loading Traversing speed Travelling distance Acceleration \$\(\circ \text{10 m/s}^2 \) Signal type Application UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use \$\(\circ \text{10 m/s} \) Flexible use \$\(\circ \text{10 m/s} \) \$\(\circ \text	Cable	2 m, 3-wire, PUR, halogen-free
Cable diameter 4.4 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter Sending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation UL File No. CYJV.E.335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature -25 °C +80 °C Stationary position -40 °C +80 °C	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Stationary position Perference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application UL File No. Enclosure rating Operating temperature Flexible use > 10 m/s 2 Stationary position 0.25 mm² 10 x cable diameter > 5 x cable diameter > 4,000,000 > 60 V 4 A 3 m/s Travelling distance 10 m 2 no m/s² Sensor/actuator cable Zones with oils and lubricants Drag chain operation UL File No. Enclosure rating Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C	Jacket color	Black
Shielding Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature -25 °C +80 °C Stationary position -40 °C +80 °C	Cable diameter	4.4 mm
Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application UL File No. Enclosure rating Operating temperature Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter ≥ 4,000,000 4 A A Travelling distance 10 m ≤ 10 m/s² Sensor/actuator cable Zones with oils and lubricants Drag chain operation CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position -40 °C +80 °C -40 °C +80 °C	Conductor cross section	0.25 mm ²
Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application UL File No. Enclosure rating Operating temperature Flexible use Stationary position Stationary position Stationary position Stationary position Stationary position > 10 x cable diameter > 5 x cable diameter > 60 V CUV Current loading	Shielding	Unshielded
Stationary position Bendling cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application UL File No. Enclosure rating Operating temperature Flexible use Stationary position > 5 x cable diameter ≥ 4,000,000 4 A A Travelling distance 10 m Sensor/actuator cable Zones with oils and lubricants Drag chain operation CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position Flexible use -25 °C +80 °C -40 °C +80 °C	Bending radius	
Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application UL File No. Enclosure rating Operating temperature Flexible use Stationary position ≥ 4,000,000 A A A A A A A A A A A A A	Flexible use	> 10 x cable diameter
Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use Stationary position -40 °C +80 °C	Stationary position	> 5 x cable diameter
Current loading Traversing speed Travelling distance Acceleration Signal type Application UL File No. Enclosure rating Operating temperature Flexible use Stationary position Signal type ≤ 60 V A A A A 3 m/s 10 m 5 ensor/actuator cable Sensor/actuator cable Zones with oils and lubricants Drag chain operation CYJV.E335179 IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C	Bending cycles	≥ 4,000,000
Current loading Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Application Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C	Reference voltage	
Traversing speed Travelling distance Acceleration Signal type Application Some with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position Stationary position Sym/s 10 m Sensor/actuator cable Zones with oils and lubricants Drag chain operation CYJV.E335179 IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C		≤ 60 V
Travelling distance Acceleration Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position Flexible use Stationary position To m/s² Sensor/actuator cable Zones with oils and lubricants Drag chain operation CYJV.E335179 IP65/ IP67/ IP68	Current loading	4 A
Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C Stationary position -40 °C +80 °C	Traversing speed	3 m/s
Signal type Application Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use CYS °C +80 °C -40 °C +80 °C	Travelling distance	10 m
Application Zones with oils and lubricants Drag chain operation CYJV.E335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C Stationary position Zones with oils and lubricants Drag chain operation CYJV.E335179 IP65/ IP67/ IP68	Acceleration	≤ 10 m/s²
Drag chain operation UL File No. CYJV.E335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C	Signal type	Sensor/actuator cable
Enclosure rating Operating temperature Flexible use -25 °C +80 °C Stationary position -40 °C +80 °C	Application	
Operating temperature Flexible use -25 °C +80 °C Stationary position -40 °C +80 °C	UL File No.	CYJV.E335179
Flexible use -25 °C +80 °C Stationary position -40 °C +80 °C	Enclosure rating	IP65/ IP67/ IP68
Stationary position -40 °C +80 °C	Operating temperature	
	Flexible use	-25 °C +80 °C
Head -25 °C +90 °C	• •	
	Head	-25 °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."

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