

DSL-0803-G02MC

Sensor/actuator cable





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

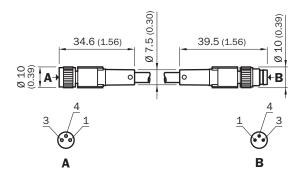
Technical specifications

Connection type head A Female connector, M8, 3-pin, straight Connector material 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 Shelding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Bending cycles 2 4,000,000 Current loading 4 A Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration \$ 10 m/s² Sensor/actuator cable Application Conse with oils and lubricants Drag chain operation CVIX.E3351.79 Enclosure rating CPG / IPG7/ IPG8 Operating temperature Flexible use Stationary position -40 ° C +80 ° C C Flexible use Stationary position -40 ° C	rechnical specifications	
Connector material Connector color Black Locking nut material Zinc die-cast, nickel-plated Zinc die cast, nickel-plated Zinc die cas	Connection type head A	Female connector, M8, 3-pin, straight
Connector color Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.2 Nm Cable 2 m, 3-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter 4.4 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance Acceleration Signal type Application ULL File No. Enclosure rating Operating temperature Flexible use Stationary position Flexible use Connection of the control of the contro	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 Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter > 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 brack diam operation UL File No. CYJK.E335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature -25 °C +80 °C Flexible use Stationary position -25 °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 Flexible use Stationary position Ending cycles > 10 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. CY/N.E335179 Enclosure rating IP65/ IP67/ IP68 Operating temperature -25 °C +80 °C Flexible use Stationary position -25 °C +80 °C	Connector color	Black
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 Shelding Unshielded Bending radius Flexible use Stationary position Flexible use 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.E.335179 Enclosure rating (P65/ IP67/ IP68 Operating temperature Flexible use Stationary position -25 °C +80 °C	Locking nut material	Zinc die-cast, nickel-plated
Jacket material Jacket color Black Cable diameter 4.4 mm Conductor cross section O.25 mm² Shielding Bending radius Flexible use Stationary position Perence voltage 5 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application CryJv.E335179 Enclosure rating PuR, halogen-free Black 4.4 mm O.25 mm² Silack Unshielded Unshielded Vable diameter > 10 x cable diameter > 4,000,000 **A ** **A ** **A ** **Traversing speed 10 m Acceleration Signal type Application CryJv.E335179 Enclosure rating Piexible use Stationary position Flexible use Stationary position Flexible use -25 *C +80 *C -40 *C +80 *C -40 *C +80 *C	Tightening torque	0.2 Nm
Jacket color Cable diameter 4.4 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position Perence voltage 4.000,000 Current loading Traversing speed Travelling distance Acceleration Signal type Application CyJ/E335179 Enclosure rating Plexible use Stationary position Flexible use Stationary position Elack 4.4 mm Curshielded Vable Unshielded Vable Vabl	Cable	2 m, 3-wire, PUR, halogen-free
Cable diameter Conductor cross section Shelding 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 0.25 mm² Unshielded Unshielded \$ 10 x cable diameter > 5 x cable diameter > 4 A	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Perference voltage Service Ser	Jacket color	Black
Shielding Bending radius Flexible use Stationary position Panding cycles Stationary position Flexible use Stationary position Unshielded Line in the station of th	Cable diameter	4.4 mm
Bending radius Flexible use Stationary position S	Conductor cross section	0.25 mm ²
Flexible use Stationary position Stationary posit	Shielding	Unshielded
Stationary position > 5 x cable diameter Eending 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 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 ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation UL File No. Enclosure rating Operating temperature Flexible use Stationary position ≥ 4 A A Current loading A A A B Current loading A A B Current loading A A B Current loading A A B Current loading A A B Current loading A A B Current loading A A B Current loading A A B Current loading A A B Current loading A A B Current loading B Current	Flexible use	> 10 x cable diameter
Reference voltage ≤ 60 V Current loading 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 Operating temperature Flexible use Stationary position Sensor/actuator cable Zones with oils and lubricants Drag Chain operation CYJV.E335179 Enclosure rating Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C	Stationary position	> 5 x cable diameter
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. Enclosure rating Operating temperature Flexible use Stationary position ≤ 60 V 4 A A CHA CHA CHA CHA CHA CHA CHA	Bending cycles	≥ 4,000,000
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 -25 °C +80 °C -40 °C +80 °C -40 °C +80 °C	Reference voltage	
Traversing speed 3 m/s Travelling distance 10 m 4cceleration ≤ 10 m/s² Signal type Sensor/actuator cable Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use -25 °C +80 °C Stationary position 3 m/s 10 m CYJV.E3 Enclosure ration CYJV.E3		≤ 60 V
Travelling distance Acceleration Signal type Sensor/actuator cable Zones with oils and lubricants Drag chain operation UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use Flexible use Stationary position 10 m Cysve Sensor/actuator cable Zones with oils and lubricants Drag chain operation CYJV.E335179 Enclosure rating Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C	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 IP65/ IP67/ IP68 Operating temperature Flexible use -25 °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 -40 °C +80 °C	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 Stationary position Stationary position CYJV.E335179 IP65/ IP68	Signal type	Sensor/actuator cable
Enclosure rating Operating temperature Flexible use -25 °C +80 °C Stationary position IP65/ IP67/ IP68	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	Stationary position	-40 °C +80 °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))



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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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For us, that is "Sensor Intelligence."

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