

DSL-0803-G02MC





Ordering information

Туре	Part no.
DSL-0803-G02MC	6029406

Other models and accessories → www.sick.com/

Illustration may differ

Detailed technical data

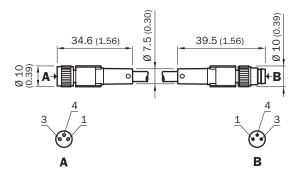
Technical specifications

Accessory family Connection type head A Female connector, M8, 3-pin, straight Connection type head B Male connector, M8, 3-pin, straight Connector material TPU Connector color Black Locking nut material Tightening torque 0.2 Nm Cable 2 m, 3-wire, PUR, halogen-free PUR, halogen-free Black Conductor cross-section Bhelding Bending radius Flexible use Stationary position Bending cycles Reference voltage Current loading Travelling distance Acceleration Acceleration Finance Acceleration Financ	rechnical 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 Shielding Unshielded Bending radius Flexible use Stationary position > 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	Accessory group	Plug connectors and cables
Connection type head B 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 mm² Shielding Unshielded 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	Accessory family	Connection cables
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 S x cable diameter > 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	Connection type head A	Female connector, M8, 3-pin, straight
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 Stationary position > 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	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 > 10 x cable diameter Stationary position > 5 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	Connector material	TPU
Tightening torque 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 Current loading Traversing speed Travelling distance Acceleration 2 m, 3-wire, PUR, halogen-free PUR (purple selection) 1 x x x x x x x x x x x x x x x x x x	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 Chielding Unshielded Bending radius Flexible use Stationary position 5 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/s²	Locking nut material	Zinc die-cast, nickel-plated
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 voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s²	Tightening torque	0.2 Nm
Jacket color Black Cable diameter 4.4 mm Conductor cross-section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position Stationary position > 5 x cable diameter Stadionary 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	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 > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter Stationary position > 4,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m ≤ 10 m/s²	Jacket material	PUR, halogen-free
Conductor cross-section Shielding Bending radius Flexible use Stationary position Stationary position Seference voltage Current loading Traversing speed Travelling distance Acceleration 0.25 mm² Unshielded 0.25 mm² Stationary 2 5 x cable diameter ≥ 4,000,000 ≥ 4,000,000 4 A 3 m/s Traversing speed 10 m ≤ 10 m/s²	Jacket color	Black
Shielding Unshielded Bending radius Flexible use > 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	Cable diameter	4.4 mm
Bending radius Flexible use Stationary position	Conductor cross-section	0.25 mm ²
Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter > 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	Shielding	Unshielded
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	Bending radius	
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/s^2	Flexible use	> 10 x cable diameter
Reference voltage $\leq 60 \text{ V}$ Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration $\leq 10 \text{ m/s}^2$	Stationary position	> 5 x cable diameter
Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s²	Bending cycles	≥ 4,000,000
Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s²	Reference voltage	≤ 60 V
Travelling distance 10 m Acceleration ≤ 10 m/s²	Current loading	4 A
Acceleration ≤ 10 m/s²	Traversing speed	3 m/s
	Travelling distance	10 m
	Acceleration	≤ 10 m/s²
Application Zones with oils and lubricants Drag chain operation	Application	Zones with oils and lubricants Drag chain operation
UL File No. CYJV.E335179	UL File No.	CYJV.E335179
Enclosure rating IP65/ IP67/ IP68	Enclosure rating	IP65/ IP67/ IP68
Ambient operating temperature	Ambient operating temperature	
Flexible use -25 °C +80 °C	Flexible use	-25 °C +80 °C
Stationary position -40 °C +80 °C	Stationary position	-40 °C +80 °C
Head -25 °C +90 °C	Head	-25 °C +90 °C

Classifications

ECI@ss 5.0	19030312
ECI@ss 5.1.4	19030312
ECI@ss 6.0	27060304
ECI@ss 6.2	27060304
ECI@ss 7.0	27060304
ECI@ss 8.0	27060304
ECI@ss 8.1	27060304
ECI@ss 9.0	27060304
ECI@ss 10.0	27060304
ECI@ss 11.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
UNSPSC 16.0901	26121604

Dimensional drawing (Dimensions in mm (inch))



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