

DOL-1204G02MC75KM0

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
DOL-1204G02MC75KM0	2079290

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

Detailed technical data

Technical specifications

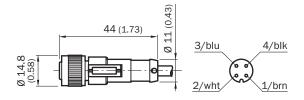
Accessory group Accessory family Connecting cables Connection type head A Female connector, M12, 4-pin, straight Connection type head B Flying leads Connection type Flying leads Connector material TPU Connector color Black Locking nut material Tightening torque Cable Jacket material Jacket color Black Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage Current loading Traversling's distranses Connection type head B Flying leads Flexible use to part to the connection, M12, 4-pin, straight Flexible use to part to the connection, M12, 4-pin, straight Flexible use to part to the connection and to the connection and the connection a		
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Connection type head B Connector material Connector color Elack Locking nut material Tightening torque Cable Jacket material Jacket color Black Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage Current loading Connector type head B Flying leads Fly	Accessory family	Connecting cables
Connection type Connector material Connector color Black Locking nut material Tightening torque Cable Jacket material Jacket color Black Cable Jenket material Jacket color Cable Jenket color Black Cable diameter Conductor cross section O.75 mm² Chielding Bending radius Flexible use Stationary position Flexible diameter Stationary position Flexible diameter Stationary position Flexible diameter Stationary position Flexible diameter Stationary position Stationary position Flexible diameter Stationary position Stationary position Flexible diameter Stationary position	Connection type head A	Female connector, M12, 4-pin, straight
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.75 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Connection type head B	Flying leads
Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.75 mm² Shielding Unshielded Bending radius > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Connection type	Flying leads
Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.75 mm² Shielding Unshielded Bending radius Flexible use Stationary position Flexible use Stationary position > 5 x cable diameter Shielding cycles ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Connector material	TPU
Tightening torque Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Stationary position Perference voltage ≤ 250 V Current loading Traversing speed 2 m, 4-wire, PUR, halogen-free PUR, halogen-free Black 2 m, 4-wire, PUR, halogen-free PUR, halogen-free 9 bunk halogen-free 1 a cket material 2 m, 4-wire, PUR, halogen-free 9 bunk halogen-free 1 a cket material 2 m, 4-wire, PUR, halogen-free 9 bunk halogen-free 1 a cket material 2 m, 4-wire, PUR, halogen-free 9 bunk halogen-free 1 a cket material 2 m, 4-wire, PUR, halogen-free 9 bunk halogen-free 1 a cket material 2 m, 4-wire, PUR, halogen-free 9 bunk halogen-free 1 a cket material 2 m, 4-wire, PUR, halogen-free 9 bunk halogen-free 9 bunk halogen-free 1 a cket material 9 bunk halogen-free	Connector color	Black
Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.75 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Locking nut material	Zinc die-cast, nickel-plated
Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.75 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Tightening torque	0.4 Nm
Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.75 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Cable	2 m, 4-wire, PUR, halogen-free
Cable diameter 5.9 mm Conductor cross section 0.75 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Stationary position Bending cycles Reference voltage ≤ 250 V Current loading Traversing speed 0.75 mm² Unshielded > 10 x cable diameter > 5 x cable diameter ≥ 2,000,000 4 A 3 m/s	Jacket color	Black
Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Cable diameter	5.9 mm
Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Conductor cross section	0.75 mm ²
Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Shielding	Unshielded
Stationary position > 5 x cable diameter Bending cycles ≥ 2,000,000 Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Bending radius	
Bending cycles $\geq 2,000,000$ Reference voltage $\leq 250 \text{ V}$ Current loading 4 A Traversing speed 3 m/s	Flexible use	> 10 x cable diameter
Reference voltage ≤ 250 V Current loading 4 A Traversing speed 3 m/s	Stationary position	> 5 x cable diameter
≤ 250 V Current loading 4 A Traversing speed 3 m/s	Bending cycles	≥ 2,000,000
Current loading 4 A Traversing speed 3 m/s	Reference voltage	
Traversing speed 3 m/s		≤ 250 V
	Current loading	4 A
Travalling distance 5 m	Traversing speed	3 m/s
Travelling distance 5 III	Travelling distance	5 m
Acceleration ≤ 5 m/s²	Acceleration	≤ 5 m/s²
Signal type Sensor/actuator cable	Signal type	Sensor/actuator cable
Application Zones with oils and lubricants Drag chain operation	Application	
Enclosure rating IP65/ IP67/ IP68	Enclosure rating	IP65/ IP67/ IP68
Description Head A: M12 female connector, 4-pin, straight Head B: cable Cable: for power supply, suitable for drag chain, PUR, halogen-free, unshielded, 4 x 0.75 mm², Ø 5,9 mm	Description	

Ambient operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-25 °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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