DSL-1204-B02MRN



DSL-1204-B02MRN



Ordering information

Туре	Part no.
DSL-1204-B02MRN	6058502

Other models and accessories -> www.sick.com/



Detailed technical data

Technical specifications

Accessory groupPlug connectors and cablesAccessory familyConnection cablesConnecton type head AGnacetion cablesConnector type head AMale connector, M12, 4-pin, straightConnector onGragConnector onorGragConnector onorGragC		
Connection type head A Female connector, M12, 4-pin, angled Connector material Male connector, M12, 4-pin, straight Connector material PP Connector color Gray Locking nut material Stainless steel (V4A/1.4404) Tightening torque 1 M Vidth across flats 14 Cable 2 m, 4-wire, PP Jacket naterial p ³ Cable dameter 6 ray Cable dameter 0.34 mm ³ Cable dameter 0.34 mm ³ Stationary position >10 x cable diameter Stationary position >10 x cable diameter Stationary position >10 x cable diameter Stationary position >5 x cable diameter	Accessory group	Plug connectors and cables
Connection type head BMale connector, M12, 4-pin, straightConnector materialPPConnector colorGrayLocking nut materialStainless steel (V4A/1.4404)Tightening torque1 NmWitht across flats14Cable2 m, 4-wire, PPJacket materialpp ¹ Jacket colorGrayCable diameter4.6 mmConductor cross-section0.34 mm²SheldingUnsheldedBending radius> 10 x cable diameterStationary postion> 10 x cable diameterStationary postion> 5 x	Accessory family	Connection cables
Connector color PP Connector color Gray Locking nut material Stainless steel (V4A/1.4404) Tightening torque 1 Nm Width across flats 14 Cable 2 m, 4wire, PP Jacket material 6 ray Jacket color Gray Conductor cross-section 0.34 mm ² Conductor cross-section 0.34 mm ² Shielding Unshielded Bending radius > 10 x cable diameter Flexible value > 10 x cable diameter Stationary position > 5 x sable diameter Stationary position > 5 x cable diameter Stationary position	Connection type head A	Female connector, M12, 4-pin, angled
Connector colorGrayLocking nut materialGiayLocking nut materialStainless steel (V4A/1.4404)Tightening torqueNmVidth across flats14Cable2m. 4wire, PPJacket naterialgr JJacket colorGrayCable diameter6. mmConductor cross-section0.34 kmi2dShielding> 5. cable diameterFlexible a> 10. cable diameterFlexible a> 5. cable diameterStationary position> 5. cable diameterFlexible a> 5. cable diameterFlexible a> 20.0000Reference voltage> 20.0000Reter loading> 5. vable diameterStationary position> 5. vable diameterSignal type0.0000Gray cub	Connection type head B	Male connector, M12, 4-pin, straight
Locking nut material Stailes steel (V4A/1.4404) Tightening torque 1Nm Witth across flats 64 Cable 2 m, 4wire, PP Jacket material pp -1 Jacket color Gray Cable 0.34 mm ² Cable diameter 4.6 mm Conductor cross-section 0.34 mm ² Shelding 0.34 mm ² Flexible us > 10 x cable diameter Stationary positio > 5 x cable diameter Current loading > 50 x 0/x 0/x 0/x 0/x 0/x 0/x 0/x 0/x 0/x	Connector material	PP
Tightening torque1 NmWidth across flats14Cable2 m, 4-wire, PPJacket colorpp 1)Jacket colorGrayCable diameter4.6 mmConductor cross-section0.34 mm²ShieldingUnshieldedBending radius> 10 x cable diameterStationary position> 5 x cable diameterStat	Connector color	Gray
With across flats 14 Cable 2 m, 4-wire, PP Jacket material p 1 Jacket color Gray Cable diameter 6 mm Conductor cross-section 0.34 mm² Conductor cross-section 0.34 mm² Shelding Unshielded Bending radius 2 10 x cable diameter Stationary position 2 10 x cable diameter Stationary position 2 4,000,000 Reference voltage 2 0.5 V Rated impulse voltage 2 0.5 V Current loading 4 A Signal type Sensor/actuator cable Torsion force 80° / 1 m Application Hygienic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical cleaning agents (see ECOLAB) and other chemical cleaning agents (see ECOLAB) and other chemical cleaning agent sub checked. ²¹	Locking nut material	Stainless steel (V4A/1.4404)
Cable 2 m, 4-wire, PP Jacket material pp - 1 Jacket color Gray Laket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm ² Shielding Unshielded Ending radius > 10 x cable diameter Flexible variable > 10 x cable diameter Stationary position > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter Stationary position > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter Stationary position > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter Stationary position > 5 x cable diameter Reference voltage 4.000,000 Rated impulse voltage 2.5 kV Grand table diameter > 5 mor/actuator cable Signal type Sensor/actuator cable Torsion force Hog/n 1m Application His pro	Tightening torque	1 Nm
Jacket material pp 1 Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shielding Unshielded Shielding radius 10 x cable diameter Flexible us > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Reference voltage > 4,000,000 Rated impulse voltage > 250 V Current loading > 5 x cable clautor cable Signal type Sensor/catuator cable Torsion force 180° / 1 m Application This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical cleaning agents (see ECOLAB) and other chemical cleaning agent being used must be checked. ²)	Width across flats	14
Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm ² Shielding Unshielded Shielding Value 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 > 25 v Rated impulse voltage 250 V Current loading 4A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Yigenic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical cleaning agent being used must be checked. ²¹	Cable	2 m, 4-wire, PP
Cable diameter 4.6 mm Conductor cross-section 0.34 mm ² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 4,000,000 Reference voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones praction operation operation operation is carried out, the material's resistance to the cleaning agent being used must be checked. ²)	Jacket material	PP ¹⁾
Conductor cross-section 0.34 mm ² Shielding Unshielded Bending radius > 10 x cable diameter Flexible us > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Reference voltage > 4,000,000 Rated impulse voltage 2 50 V Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Drig chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical cleaning agent being used must be checked. ²⁾	Jacket color	Gray
Shielding Unshielded Bending radius > 10 x cable diameter Flexible use > 5 x cable diameter Stationary positio > 5 x cable diameter Bending cycles > 4,000,000 Reference voltage > 250 V Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chem- ical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾	Cable diameter	4.6 mm
Bending radius > 10 x cable diameter Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles > 4,000,000 Reference voltage > 250 V Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chem- ical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²	Conductor cross-section	0.34 mm ²
Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles > 4,000,000 Reference voltage > 250 V Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chem- rical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾	Shielding	Unshielded
Stationary position> 5 x cable diameterBending cycles> 4,000,000Reference voltage< 250 V	Bending radius	
Bending cycles≥ 4,000,000Reference voltage≤ 250 VRated impulse voltage2.5 kVCurrent loading4 ASignal typeSensor/actuator cableTorsion force180° / 1 mApplicationHygienic and washdown zones Drag chain operationNoteThis product is generally resistant to chemical cleaning agent being used must be checked. ²)	Flexible use	> 10 x cable diameter
Reference voltage ≤ 250 V Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chem- ical compounds such as H202 and CH202. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾	Stationary position	> 5 x cable diameter
Rated impulse voltage2.5 kVCurrent loading4 ASignal typeSensor/actuator cableTorsion force180° / 1 mApplicationHygienic and washdown zones Drag chain operationNoteThis product is generally resistant to chemical cleaning agents (see ECOLAB) and other chem- ical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. 2)	Bending cycles	≥ 4,000,000
Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chem- ical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾	Reference voltage	≤ 250 V
Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chem- ical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾	Rated impulse voltage	2.5 kV
Torsion force 180° / 1 m Application Hygienic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chem- ical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾	Current loading	4 A
Application Hygienic and washdown zones Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chem- ical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾	Signal type	Sensor/actuator cable
Drag chain operation Note This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾	Torsion force	180°/1m
ical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾	Application	
	Note	ical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾

¹⁾ Silicone-free, halogen-free, LABS-free.

²⁾ Tested detergent: P3-topactive DES, P3-topactive 200, P3-topax 52, P3-topax 66 und P3-topax 91.

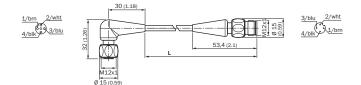
Authorizations	Ecolab
Enclosure rating	IP67/ IP69K
Ambient operating temperature	
Flexible use	-25 °C +105 °C
Stationary position	-40 °C +105 °C

Silicone-free, halogen-free, LABS-free.
Tested detergent: P3-topactive DES, P3-topactive 200, P3-topax 52, P3-topax 66 und P3-topax 91.

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))



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.

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For us, that is "Sensor Intelligence."

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