

DOL-0803-G05MRN





Ordering information

Туре	Part no.
DOL-0803-G05MRN	6058505

Other models and accessories → www.sick.com/

EC®LAB°

Detailed technical data

Technical specifications

Accessory group Plug connectors and cables Connection type head A Connection type head B Permale connector, M8, 3-pin, straight Connection type head B Piying leads Connection type Pying leads Connector material PP Connector color Gray Clocking nut material Stainless steel (V4A/1.4404/316L) Tightening torque 0.6 Nm Width across flats 9 Cable 5m, 3-wire, PP Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shelding Plexible use 5 x cable diameter Shelding radius 10x cable diameter 5 x cable diameter Flexible use 5 x cable diameter Stationary position 5 x cable diameter Bending cycles 4.000,000 Reference voltage 6 60 V Rated impulse voltage 15 kV Current loading 5 x cable care Signal type 5 x caple care Sensor/actuator cable Torsion force </th <th></th> <th></th>		
Connection type head A Female connector, M8, 3-pin, straight Connection type Flying leads Connector material PP Connector color Gray Locking nut material Stainless steel (V4A/1.4404/316L) Tightening torque 0.6 Nm Width across flats 9 Cable 5 m, 3-wire, PP Jacket material pp 13 Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles < 60 V Reference voltage < 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Accessory group	Plug connectors and cables
Connection type head B Flying leads Connector material PP Connector color Gray Locking nut material Stainless steel (V4A/1.4404/316L) Tightening torque 0.6 Nm Width across flats 9 Cable 5 m, 3-wire, PP Jacket material pp ¹⁾ Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter S cable diameter > 5 x cable diameter S cable diameter S x cable diameter Bending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hyglenic and washdown zones	Accessory family	Connecting cables
Connection type Connector material Connector color Conductor consensed color Conductor cross-section C	Connection type head A	Female connector, M8, 3-pin, straight
Connector material PP Connector color Gray Locking nut material Stainless steel (V4A/1.4404/316L) Tightening torque 0.6 Nm Width across flats 9 Cable 5 m, 3-wire, PP Jacket material pp ¹¹ Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use > 10 x cable diameter S x cable diameter > 5 x cable diameter S x cable diameter > 5 x cable diameter Ending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hyglenic and washdown zones	Connection type head B	Flying leads
Connector color Gray Locking nut material Stainless steel (V4A/1.4404/316L) Tightening torque 0.6 Nm Width across flats 9 Cable 5 m, 3-wire, PP Jacket material pp ¹¹ Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter 5 x cable diameter > 5 x cable diameter Bending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hyglenic and washdown zones	Connection type	Flying leads
Locking nut material Stainless steel (V4A/1.4404/316L) Tightening torque 0.6 Nm Width across flats 9 Cable 5 m, 3-wire, PP Jacket material pp ¹) Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Connector material	PP
Tightening torque 0.6 Nm Width across flats 9 Cable 5 m, 3-wire, PP Jacket material pp ¹¹ Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shelding Unshielded Bending radius > 10 x cable diameter Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Connector color	Gray
Width across flats 9 Cable 5 m, 3-wire, PP Jacket material pp ¹¹ Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 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 Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Locking nut material	Stainless steel (V4A/1.4404/316L)
Cable5 m, 3-wire, PPJacket materialpp 1)Jacket colorGrayCable diameter4.6 mmConductor cross-section0.34 mm²ShieldingUnshieldedBending radiusFlexible use Stationary position> 10 x cable diameterBending cycles> 4,000,000Reference voltage< 60 V	Tightening torque	0.6 Nm
Jacket material Jacket color Gray Cable diameter 4.6 mm Conductor cross-section Shielding Bending radius Flexible use Stationary position Stationary position Bending cycles Reference voltage Rated impulse voltage Current loading Signal type Torsion force Application Hygienic and washdown zones	Width across flats	9
Jacket color Cable diameter 4.6 mm Conductor cross-section Shielding Bending radius Flexible use Stationary position Stationary position Perference voltage Rated impulse voltage Current loading Signal type Torsion force Application Application Rated color Gray	Cable	5 m, 3-wire, PP
Cable diameter Conductor cross-section Shielding Unshielded Bending radius Flexible use Stationary position Stationary position Stationary position Flexible use > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter Stationary position Stationary position Stationary position Flexible use > 10 x cable diameter > 5 x c	Jacket material	PP ¹⁾
Conductor cross-section 0.34 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 Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Jacket color	Gray
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 Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Cable diameter	4.6 mm
Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter Bending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180°/1 m Hygienic and washdown zones	Conductor cross-section	0.34 mm ²
Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Shielding	Unshielded
Stationary position > 5 x cable diameter Bending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180°/1 m Application Hygienic and washdown zones	Bending radius	
Bending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Flexible use	> 10 x cable diameter
Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180°/1 m Application Hygienic and washdown zones	Stationary position	> 5 x cable diameter
Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Torsion force 180°/1 m Application Hygienic and washdown zones	Bending cycles	≥ 4,000,000
Current loading 4 A Signal type Sensor/actuator cable Torsion force 180°/1 m Application Hygienic and washdown zones	Reference voltage	≤ 60 V
Signal type Sensor/actuator cable 180° / 1 m Application Hygienic and washdown zones	Rated impulse voltage	1.5 kV
Torsion force 180° / 1 m Application Hygienic and washdown zones	Current loading	4 A
Application Hygienic and washdown zones	Signal type	Sensor/actuator cable
	Torsion force	180°/1 m
	Application	

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.

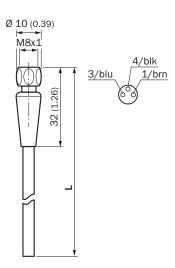
Note	This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾ Resistant against lactic acid & hydrogen peroxide (H2O2)
Authorizations	Ecolab
Enclosure rating	IP67/ IP69K
Ambient operating temperature	
Flexible use	-25 °C +105 °C
Stationary position	-40 °C +105 °C

 $^{^{1)}}$ Silicone-free, halogen-free, LABS-free.

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))



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

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."

WORLDWIDE PRESENCE:

Contacts and other locations -www.sick.com

