

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 Cennel connector, MS, 3-pin, straight Connection type head B Plying leads Connection type Prying leads Connector material PP Connector material Stainless steel (V4A/1.4404/316L) Tightening torque 0.6 Nm Width across flats 9 Cable 5 m, 3-wire, PP Jacket material 9p ¹ Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shelding Unshielded Bending radius 10x cable diameter Flexible use >10x cable diameter Stationary position >5 x cable diameter Bending cycles 2 4.000,000 Reference voltage 6 60 V Rated impulse voltage 15 kV Current loading 4 A Signal type 2 sonor/actuator cable Torsion force 180° / 1 m Application Wiggin: card washdown zones brage chain operation		
Connection type head A Female connector, MB, 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 ¹¹ 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 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	Accessory group	Plug connectors and cables
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 19 Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shelding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter S table diameter 5 x cable diameter S x cable diameter 5 x cable diameter Bending cycles 2 4,000,000 Reference voltage 5 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 consensection Conductor cross-section Conductor 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 Stationary position > 5 x cable diameter 5 x cable diameter > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 1.5 kV Reference voltage ≤ 60 V Rated impulse voltage 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic 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 ¹) Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter 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 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	Connection type	Flying leads
Tightening torque 0.6 Nm Width across flats 2 bm, 3-wire, PP Jacket color Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Stationary position Reference voltage Rated impulse voltage Current loading Signal type Torsion force Abilation Stationary box Aman Aman Aman Aman Aman Aman Aman Aman	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 > 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 color	Gray
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 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)
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 Stationary position > 5 x cable diameter Bending cycles ≥ 4,000,000 Reference voltage ≤ 60 V Rated impulse voltage 4 A Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Tightening torque	0.6 Nm
Jacket material PP ¹¹ Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² 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 Rated impulse voltage 4 A Current loading 4 A Signal type Sensor/actuator cable Torsion force 180° / 1 m Application Hygienic and washdown zones	Width across flats	9
Jacket color Gray Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shielding 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 Hyglenic and washdown zones	Cable	5 m, 3-wire, PP
Cable diameter 4.6 mm Conductor cross-section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position 5 x cable diameter 6 x cable 6 x cable diameter 6 x cable 6 x cable diameter 6 x cable	Jacket material	PP ¹⁾
Conductor cross-section 0.34 mm² Shielding Unshielded 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
Bending radius Flexible use > 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	Conductor cross-section	0.34 mm ²
Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Sending 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	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.

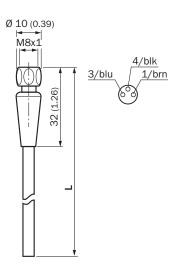
Note	This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked. ²⁾ Resistant against lactic acid & hydrogen 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.

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