

DOL-1205-G25MRN

Sensor/actuator cable

PLUG CONNECTORS AND CABLES

SICKSensor Intelligence.



Ordering information

Туре	Part no.
DOL-1205-G25MRN	6058497

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

EC®LAB®

Detailed technical data

Technical specifications

Connection type head B Female connector, M12, 5-pin, straight Connection type Flying leads Connector material PP Connector color Gray Locking nut material 1 Nm Width across flats 1 4 Cable 25 m, 5-wire, PP Jacket material pp ¹¹ Jacket color Gray 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 Hyglenic and washdown zones Drag chain operation		
Connectro material Connector color Locking nut material Tightening torque 1 Nm Width across flats 14 Cable Jacket material Jacket color Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage Current loading Signal type Torsion force Application Flying leads PP Flying leads PP Flying leads PP Flying leads PP Gray Cray Ctalle diameter 1 Nm	Connection type head A	Female connector, M12, 5-pin, straight
Connector material PP Connector color Gray Locking nut material Stainless steel (V4A/1.4404) Tightening torque 1 Nm Width across flats 14 Cable 25 m, 5-wire, PP Jacket material PP ¹¹) Jacket color Gray Cable dlameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter S x cable diameter S x cable diameter Sending cycles 2 4,000,000 Reference voltage 5 kV 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 head B	Flying leads
Connector color Gray Locking nut material Stainless steel (V4A/1.4404) Tightening torque 1 Nm Width across flats 14 Cable 25 m, 5-wire, PP Jacket material pp ¹) Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter S x cable diameter < 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) Tightening torque 1 Nm Width across flats 14 Cable 25 m, 5-wire, PP Jacket material pp ¹¹ Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter S x cable diameter > 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 Hyglenic and washdown zones	Connector material	PP
Tightening torque	Connector color	Gray
Width across flats 14 Cable 25 m, 5-wire, PP Jacket material pp ¹) Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use 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)
Cable Jacket material pp ¹¹ Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Stationary position Bending cycles Reference voltage ≤ 60 V Rated impulse voltage Current loading 4 A Signal type Torsion force Application Pp ¹¹ Smm Conductor cross section 0.34 mm² Unshielded Unshielded Unshielded S 10 x cable diameter > 5 x cable diameter ≥ 4,000,000 A A Signal type Sensor/actuator cable Torsion force Hygienic and washdown zones	Tightening torque	1 Nm
Jacket material Jacket color Gray Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Rated impulse voltage Current loading Signal type Torsion force Application Gray S mm O.34 mm² Unshielded Unshielded Unshielded Unshielded S to x cable diameter > 5 x cable diameter > 4,000,000 A A Sensor/actuator cable Torsion force Application Hygienic and washdown zones	Width across flats	14
Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Stationary position Bending cycles Reference voltage ≤ 60 V Rated impulse voltage Current loading Signal type Torsion force Application Gray 5 mm 0.34 mm² Unshielded Vnshielded > 10 x cable diameter > 5 x cable diameter > 6 0 V Rate diameter Stationary of the following the following the following the following the following the following the follo	Cable	25 m, 5-wire, PP
Cable diameter Conductor cross section 0.34 mm² Unshielded Bending radius Flexible use Stationary position Bending cycles Perference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading Signal type Torsion force Application 5 mm 0.34 mm² Unshielded 1.0 x cable diameter > 1.0 x cable diameter > 5 x cable diameter > 4,000,000 Section 4,000,000 Section 5 kV List W	Jacket material	PP ¹⁾
Conductor cross section Shielding Bending radius Flexible use Stationary position Perference voltage Sending cycles Rated impulse voltage Current loading Signal type Torsion force Application O.34 mm² Unshielded Sinal type > 10 x cable diameter > 5 x cable diameter ≥ 4,000,000 8 4,000,000 Current loading 4 A Sensor/actuator cable Torsion force Hygienic and washdown zones	Jacket color	Gray
Shielding Bending radius Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter Bending cycles Reference voltage ≤ 60 V Rated impulse voltage 1.5 kV Current loading Signal type Torsion force Application Unshielded Unshielded Unshielded 1.0 x cable diameter > 5 x cable diameter > 60 V A volume of the company of t	Cable diameter	5 mm
Bending radius Flexible use Stationary position Stationary position Stationary position Flexible use Stationary position Stationa	Conductor cross section	0.34 mm ²
Flexible use Stationary position Stationary posit	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 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
 ≤ 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 cycles	≥ 4,000,000
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	Reference voltage	
Current loading 4 A Signal type Sensor/actuator cable Torsion force 180°/1 m Application Hygienic and washdown zones		≤ 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 cleaning agents: 3% P3 – topax 990, 5% P3 – topoactive 200, 5% P3 – topax 52, 3% P3 – topax 66, 3% P3 – topactive OKTO; Insulating material group: Cat I

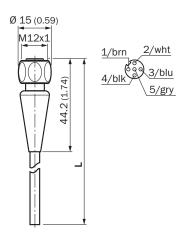
Note	This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide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

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

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))



²⁾ Tested cleaning agents: 3% P3 – topax 990, 5% P3 – topoactive 200, 5% P3 – topax 52, 3% P3 – topax 66, 3% P3 – topactive OKTO; Insulating material group: Cat

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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