

# **DOL-0804-G05MNI**

Sensor/actuator cable





#### Ordering information

Туре	Part no.
DOL-0804-G05MNI	6059194

Other models and accessories -> www.sick.com/Sensor\_actuator\_cable

## **EC®L**AB®

#### Detailed technical data

#### Technical specifications

Connection type head A     Female connector, M8, 4-pin, straight       Connection type     Flying leads       Connector material     PUR       Connector color     Blue       Locking nut material     Stainless steel (V4A/1.4404)       Tightening torque     0.4 Nm       Width across flats     10       Cable     5 m, 4-wire, PVC       Jacket material     PVC       Jacket color     Gray       Cable diameter     4.8 mm       Conductor cross section     0.25 mm²       Shielding     Unshielded       Bending radius     Flexible use Stationary position       Reference voltage     \$ 30 V       Rated impulse voltage     0.8 kV       Current loading     4 A       Signal type     Sensor/actuator cable       Application     Hyglenic and washdown zones       Note     This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>31 20</sup> Authorizations	reenmear opeemeations	
Connector material Connector color Blue Connector color Blue Stainless steel (V4A/1.4404) Tightening torque 0.4 Nm Width across flats 10 Cable 5 m, 4-wire, PVC Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Reference voltage  Stationary position Reference voltage  Current loading 4 A Signal type Application Note This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2), 1-27  Authorizations  Flexible use Sitationary position Reference voltage  Fine in the conductor cable (Purple see Secolab) Fine product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2), 1-27  Authorizations  Fine purple state to the mical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2), 1-27  Ecolab	Connection type head A	Female connector, M8, 4-pin, straight
Connector material Connector color Blue Locking nut material Stainless steel (V4A/1.4404) Tightening torque 0.4 Nm Width across flats 10 Cable 5 m, 4-wire, PVC Jacket material PVC Cable diameter 4.8 mm Conductor cross section 0.25 mm² Shielding Bending radius Flexible use Stationary position Reference voltage ≤ 30 V Rated impulse voltage	Connection type head B	Flying leads
Connector color     Blue       Locking nut material     Stainless steel (V4A/1.4404)       Tightening torque     0.4 Nm       Width across flats     10       Cable     5 m, 4-wire, PVC       Jacket material     PVC       Jacket color     Gray       Cable diameter     4.8 mm       Conductor cross section     0.25 mm²       Shielding     Unshielded       Bending radius     > 10 x cable diameter       Flexible use Stationary position     > 10 x cable diameter       Reference voltage     ≤ 30 V       Rated impulse voltage     0.8 kV       Current loading     4 A       Signal type     Sensor/actuator cable       Application     Hyglenic and washdown zones       Note     This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (HZO2) <sup>1) 2)</sup> (HZO2) <sup>1) 2)</sup> Authorizations     Ecolab	Connection type	Flying leads
Locking nut material       Stainless steel (V4A/1.4404)         Tightening torque       0.4 Nm         Width across flats       10         Cable       5 m. 4-wire, PVC         Jacket material       PVC         Jacket color       Gray         Cable diameter       4.8 mm         Conductor cross section       0.25 mm²         Shielding       Unshielded         Bending radius       Flexible use Stationary position         Flexible use Stationary position       > 10 x cable diameter         Reference voltage       ≤ 30 V         Rated impulse voltage       0.8 kV         Current loading       4 A         Signal type       Sensor/actuator cable         Application       Hygienic and washdown zones         Note       This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>1) 2)</sup> Authorizations       Ecolab	Connector material	PUR
Tightening torque  Width across flats  10  Cable  5 m, 4-wire, PVC  Jacket material  PVC  Cable diameter  Cable diameter  Conductor cross section  Shielding  Bending radius  Flexible use Stationary position  Reference voltage  \$\frac{30 \text{ V}}{4 \text{ A}}\$  Rated impulse voltage  \$\frac{30 \text{ V}}{4 \text{ A}}\$  Current loading  4 A  Signal type  Application  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) \frac{10 \text{ V}}{2}\$  Authorizations  \$\frac{100}{200}\$  \$\frac{100}{2	Connector color	Blue
Width across flats     10       Cable     5 m, 4-wire, PVC       Jacket material     PVC       Jacket color     Gray       Cable diameter     4.8 mm       Conductor cross section     0.25 mm²       Shielding     Unshielded       Bending radius     Flexible use > 10 x cable diameter > 5 x cable diameter       Stationary position     > 5 x cable diameter       Reference voltage     ≤ 30 V       Rated impulse voltage     0.8 kV       Current loading     4 A       Signal type     Sensor/actuator cable       Application     Hygienic and washdown zones       Note     This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind. Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>1,1,2)</sup> Authorizations     Ecolab	Locking nut material	Stainless steel (V4A/1.4404)
Cable       5 m, 4-wire, PVC         Jacket material       PVC         Jacket color       Gray         Cable diameter       4.8 mm         Conductor cross section       0.25 mm²         Shielding       Unshielded         Bending radius       Flexible use Stationary position         Flexible use Stationary position       > 10 x cable diameter         Stationary position       > x cable diameter         Reference voltage       ≤ 30 V         Rated impulse voltage       0.8 kV         Current loading       4 A         Signal type       Sensor/actuator cable         Application       Hyglenic and washdown zones         Note       This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>1) 2)</sup> Authorizations       Ecolab	Tightening torque	0.4 Nm
Jacket material PVC  Gray  Cable diameter 4.8 mm  Conductor cross section 0.25 mm²  Shielding Unshielded  Bending radius  Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter  Reference voltage ≤ 30 V  Rated impulse voltage 0.8 kV  Current loading 4 A  Signal type Sensor/actuator cable  Application Hygienic and washdown zones  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 10.20	Width across flats	10
Jacket color       Gray         Cable diameter       4.8 mm         Conductor cross section       0.25 mm²         Shielding       Unshielded         Bending radius       Flexible use Stationary position         Flexible use Stationary position       > 10 x cable diameter         Reference voltage       ≤ 30 V         Rated impulse voltage       0.8 kV         Current loading       4 A         Signal type       Sensor/actuator cable         Application       Hyglenic and washdown zones         Note       This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 1) 2)         Authorizations       Ecolab	Cable	5 m, 4-wire, PVC
Cable diameter Conductor cross section  Shielding Bending radius  Flexible use Stationary position  Reference voltage  ≤ 30 V  Rated impulse voltage  Current loading  Signal type  Application  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>1) 2)</sup> Authorizations  Ecolab	Jacket material	PVC
Conductor cross section       0.25 mm²         Shielding       Unshielded         Bending radius       Flexible use Stationary position         Reference voltage       > 5 x cable diameter         Rated impulse voltage       ≤ 30 V         Current loading       4 A         Signal type       Sensor/actuator cable         Application       Hygienic and washdown zones         Note       This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>(1) 2)</sup> Authorizations       Ecolab	Jacket color	Gray
Shielding       Unshielded         Bending radius       Flexible use Stationary position       > 10 x cable diameter         Reference voltage       > 5 x cable diameter         Rated impulse voltage       0.8 kV         Current loading       4 A         Signal type       Sensor/actuator cable         Application       Hygienic and washdown zones         Note       This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>1) 2)</sup> Authorizations       Ecolab	Cable diameter	4.8 mm
Bending radius  Flexible use Stationary position  Reference voltage  ≤ 30 V  Rated impulse voltage  Current loading  Signal type  Application  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 1) 2)  Authorizations  Ecolab	Conductor cross section	0.25 mm <sup>2</sup>
Flexible use Stationary position  Reference voltage  ≤ 30 V  Rated impulse voltage  0.8 kV  Current loading  4 A  Signal type  Sensor/actuator cable  Hygienic and washdown zones  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>1) 2)</sup> Authorizations  Ecolab	Shielding	Unshielded
Reference voltage  ≤ 30 V  Rated impulse voltage  0.8 kV  Current loading  4 A  Signal type  Application  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 1) 2)  Authorizations  > 5 x cable diameter  > 5 x cable diameter  > 5 x cable diameter	Bending radius	
Reference voltage  ≤ 30 V  Rated impulse voltage  0.8 kV  Current loading  4 A  Signal type  Sensor/actuator cable  Application  Hygienic and washdown zones  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 1) 2)  Authorizations  Ecolab	Flexible use	> 10 x cable diameter
≤ 30 V  Rated impulse voltage  0.8 kV  Current loading  4 A  Signal type  Sensor/actuator cable  Application  Hygienic and washdown zones  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>1) 2)</sup> Authorizations  Ecolab	Stationary position	> 5 x cable diameter
Rated impulse voltage  0.8 kV  Current loading  4 A  Signal type  Sensor/actuator cable  Hygienic and washdown zones  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 1) 2)  Authorizations  Ecolab	Reference voltage	
Current loading  4 A  Signal type  Sensor/actuator cable  Application  Hygienic and washdown zones  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 1) 2)  Authorizations  Ecolab		≤ 30 V
Signal type  Sensor/actuator cable  Hygienic and washdown zones  Note  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 1) 2)  Authorizations  Ecolab	Rated impulse voltage	0.8 kV
Application  Hygienic and washdown zones  This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 1) 2)  Authorizations  Ecolab	Current loading	4 A
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use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide (H2O2) 1) 2)  Authorizations  Ecolab	Application	Hygienic and washdown zones
	Note	use cleaning agents of any other Kind.Not resistant against lactic acid & hydrogen peroxide
	Authorizations	

 $<sup>^{1)} \</sup>text{ Tested cleaning agents: 3\% P3 - topax 990, 5\% P3 - topoactive 200, 5\% P3 - topax 52, 3\% P3 - topax 66, 3\% P3 - topactive OKTO; Insulating material group: Catalogue C$ I.

2) Insulating material group: Cat I.

UL File No.	CYJV.E335179
Enclosure rating	IP65/ IP67/ IP69K
Operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-30 °C +80 °C
Head	-25 °C +85 °C

 $<sup>^{1)}</sup>$  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

#### 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

<sup>.
2)</sup> Insulating material group: Cat I.

### 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."

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