

# **DOL-1204-L05MNI**

Sensor/actuator cable

**PLUG CONNECTORS AND CABLES** 





#### Ordering information

Туре	Part no.
DOL-1204-L05MNI	6052622

Only suitable for PNP sensors

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

## EC LAB

#### Detailed technical data

#### Technical specifications

Connection type head B Connection type Connector material Connector color Cocking nut material Connector set at a set a		
Connection type Connector material Connector color Locking nut material Connector color Locking nut material Connector color Locking nut material Stainless steel (V4A/1.4404) Con Midth across flats Cable Jacket material Jacket material Jacket color Capy Coble diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Display LED Reference voltage  Stationary position Display LED Reference voltage  Signal type Application Note Flexible use sensor/actuator cable 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	Connection type head A	Female connector, M12, 4-pin, angled
Connector material Connector color	Connection type head B	Flying leads
Connector color Locking nut material Stainless steel (V4A/1.4404)  O.6 Nm  Width across flats 14  Cable 5 m, 4-wire, PVC  Jacket material PVC Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Display LED Reference voltage  ≤ 24 V  Rated impulse voltage  Sensor/actuator cable Hygienic and washdown zones Note Note  Stainloss steel (V4A/1.4404)  O.6 Nm  14  Cable (V4A/1.4404)  O.6 Nm  14  Cable diameter Sm, 4-wire, PVC  Gray  Gray  Cable diameter Simm O.34 mm² Unshielded  Simm O.34 mm² Unshielded  Simm Simm Simm Simm Simm Simm Simm Si	Connection type	Flying leads
Stainless steel (V4A/1.4404)  Tightening torque  0.6 Nm  Width across flats  14  Cable 5 m, 4-wire, PVC  PVC  Gray  Cable diameter Conductor cross section Shielding Bending radius  Flexible use Stationary position Display LED  Reference voltage  ≤ 24 V  Rated impulse voltage  Current loading Signal type Application Note  Stainless steel (V4A/1.4404)  0.6 Nm  14  44  Stainless steel (V4A/1.4404)  0.6 Nm  14  44  Stainless steel (V4A/1.4404)  0.6 Nm  14  44  Stainless steel (V4A/1.4404)  14  14  15  16  16  17  18  18  18  18  18  18  18  18  18	Connector material	PUR
Tightening torque  0.6 Nm  Width across flats  14  Cable 5 m, 4-wire, PVC  Jacket material Jacket color Gray  Cable diameter Conductor cross section Shielding Unshielded  Flexible use Stationary position Display LED Reference voltage  ≤ 24 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	Connector color	Gray
Width across flats  Cable 5 m, 4-wire, PVC  Jacket material PVC  Cable diameter 5 mm  Conductor cross section 0.34 mm² Unshielded  Bending radius  Flexible use Stationary position > 5 x cable diameter  Display LED  Reference voltage ≤ 24 V  Rated impulse voltage 0.8 kV  Current loading 4 A  Signal type 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	Locking nut material	Stainless steel (V4A/1.4404)
Cable 5 m, 4-wire, PVC   Jacket material PVC   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   Display LED ✓   Reference voltage ≤ 24 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	Tightening torque	0.6 Nm
Jacket color Gray Cable diameter 5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Display LED Reference voltage ≤ 24 V  Rated impulse voltage Current loading Signal type Application Note PVC Gray 5 mm  0.34 mm² Unshielded Unshielded  10 x cable diameter > 5 x cable diameter > 5 x cable diameter ✓ ✓  4 A  Sensor/actuator cable 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	Width across flats	14
Cable diameter 5 mm   Conductor cross section 0.34 mm²   Shielding Unshielded   Bending radius > 10 x cable diameter   Stationary position > 5 x cable diameter   Display LED ✓   Reference voltage ≤ 24 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	Cable	5 m, 4-wire, PVC
Cable diameter Conductor cross section O.34 mm² Unshielded  Bending radius Flexible use Stationary position Stationary position  Conductor cross section Stationary position Stationary p	Jacket material	PVC
Conductor cross section  Shielding  Bending radius  Flexible use Stationary position  Display LED  Reference voltage  ≤ 24 V  Rated impulse voltage  Current loading  Signal type  Application  Note  O.34 mm²  Unshielded  Unshielded  > 10 x cable diameter  > 5 x cable diameter  > 5 x cable diameter  ✓  ✓  ✓  Application  Unshielded  > 10 x cable diameter  > 5 x cable diameter  > 5 x cable diameter  ✓  ✓  ✓  ✓  ✓  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	Jacket color	Gray
Bending radius  Flexible use Stationary position  Display LED  Reference voltage  ≤ 24 V  Rated impulse voltage  Current loading  Signal type  Application  Note  Unshielded  Unshielded  10 x cable diameter  > 5 x cable diameter  > 5 x cable diameter  > 6 x cable diameter  > 6 x cable diameter  > 7   S x cable diameter  > 7   A V  Sensor/actuator cable diameter  In it is 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	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 <sup>2</sup>
Flexible use Stationary position  Display LED  Reference voltage  ≤ 24 V  Rated impulse voltage  Current loading  Signal type  Application  Note  Flexible use  > 10 x cable diameter  > 5 x cable diameter  > 6 x cable diameter  > 7  Separate diameter  > 8 x cable diameter  > 8 x cable diameter  > 10 x cable diameter  > 6 x cable diameter  > 8 x cable diameter  > 10 x cable diameter	Shielding	Unshielded
Stationary position  > 5 x cable diameter  ✓  Reference voltage  ≤ 24 V  Rated impulse voltage  Current loading  4 A  Signal type  Application  Note  Stationary position  > 5 x cable diameter  ✓  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	Bending radius	
Display LED       ✓         Reference voltage       ≤ 24 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	Flexible use	> 10 x cable diameter
Reference voltage  ≤ 24 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	Stationary position	> 5 x cable diameter
<ul> <li>≤ 24 V</li> <li>Rated impulse voltage</li> <li>Current loading</li> <li>4 A</li> <li>Signal type</li> <li>Sensor/actuator cable</li> <li>Application</li> <li>Hygienic and washdown zones</li> <li>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 &amp; hydrogen peroxide</li> </ul>	Display LED	✓
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	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		≤ 24 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	Rated impulse voltage	0.8 kV
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	Current loading	4 A
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	Signal type	Sensor/actuator cable
use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide	Application	Hygienic and washdown zones
	Note	use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide

<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 I

I.

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

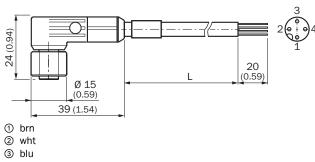
Authorizations	Ecolab UL
UL File No.	CYJV.E335179
Enclosure rating	IP65/ IP67/ IP69K
Description	LED function display
Specialty	LED function indicator
Operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-30 °C +80 °C
Head	-25 °C +85 °C

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

#### Dimensional drawing (Dimensions in mm (inch))



- 4 blk

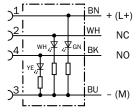
 $<sup>^{2)}</sup>$  Insulating material group: Cat I.

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PLUG CONNECTORS AND CABLES

#### Connection diagram

Internal circuitry



### 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:**

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