

# DOL-1204-G10M

Other connectors and cables

**PLUG CONNECTORS AND CABLES** 





## Ordering information

Туре	Part no.
DOL-1204-G10M	6010543

Other models and accessories → www.sick.com/Other\_connectors\_and\_cables

Illustration may differ

#### Detailed technical data

#### Technical specifications

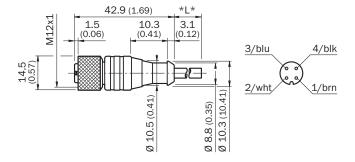
Accessory family Connecting cables  Connection type head A Female connector, M12, 4-pin, straight  Connection type head B Flying leads  Connector material TPU  Connector material CuZn, nickel-plated brass  Cable 10 m, 4-wire, PVC  Jacket material PVC  Cable diameter Smm  Conductor cross section 0.25 mm²  Shelding Bending radius  Flexible use Stationary position Flexible use Label diameter Stationary position Tending Ambient operating temperature  Flexible use Stationary position Head of C +80 °C  Ambient operating temperature  Flexible use Stationary position Head of C +80 °C  Head of Connection and cables  Flexible use Flexible use Stationary position Head of C +80 °C  Head of Connection, Alexander Appin, straight  Flexible use Stationary position Head of C +80 °C  Head of C +80 °C  Flexible use Stationary position Head of C +80 °C  Flexible use Stationary position Head of C +80 °C		
Connection type head A Connection type head B Connector type Connector material Connector color Connector color Coking nut material Tightening torque Coble Jacket material Jacket material Jacket color Conductor cross section Shielding Bending radius Flexible use Stationary position Flexible use S	Accessory group	Plug connectors and cables
Connection type head B Connector material Connector color Connector color Coking nut material Tightening torque Cable Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position  Reference voltage  Flexible use Stationary position Flexible use Flexible use Stationary position Flexible use Flexible use Stationary position Flexible use Flexible use Flexible use Stationary position Flexible use Flexible use Stationary position Flexible use Flexib	Accessory family	Connecting cables
Connection type   Flying leads   TPU   Connector color   Orange   Locking nut material   CuZn, nickel-plated brass   Tightening torque   0.5 Nm   Cable   10 m, 4-wire, PVC   Jacket material   PVC   Jacket color   Orange   Cable diameter   5 mm   Conductor cross section   0.25 mm²   Shielding   Unshielded   Bending radius   Flexible use   51 or x cable diameter   Stationary position   5 x cable diameter   Flexible use   10 x cable diameter   Stationary position   Reference voltage   ≤ 250 V   Current loading   4 A   Application   Zones with chemicals   Enclosure rating   IP67   Ambient operating temperature   Flexible use   5 c +80 °C   -40 °C +80 °C	Connection type head A	Female connector, M12, 4-pin, straight
Connector material Connector color Corange Locking nut material CuZn, nickel-plated brass Tightening torque 0.5 Nm Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Orange Cable diameter 5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position Reference voltage ≤ 250 V Current loading 4 A Application Enclosure rating Ambient operating temperature Flexible use Stationary position Refixible use Stationary position Flexible use Stationary position Flexible use Stationary Position Flexible use Stationary Position	Connection type head B	Flying leads
Connector color  Locking nut material  CuZn, nickel-plated brass  Tightening torque  0.5 Nm  Cable  10 m, 4-wire, PVC  Jacket material  PVC  Jacket color  Orange  Cable diameter  5 mm  Conductor cross section  0.25 mm²  Shielding  Bending radius  Flexible use Stationary position  Reference voltage  \$\frac{250 \text{ V}}{2} \text{ Current loading}} \text{ 4 A}  Application  Enclosure rating  Flexible use Stationary position  Flexible use +5 °C +80 °C  -40 °C +80 °C  -40 °C +80 °C  -40 °C +80 °C	Connection type	Flying leads
Locking nut material  CuZn, nickel-plated brass  0.5 Nm  10 m, 4-wire, PVC  Jacket material  Jacket color  Cable diameter  Conductor cross section  Shielding  Bending radius  Flexible use Stationary position  Reference voltage  Flexible use Stationary position  Flexible use Stationary position  Flexible use Stationary position  Flexible use Stationary position  Flexible use Flexible use Stationary position  Flexible use Stationary position  Flexible use Flexible use Stationary position  Flexible use Flexible use Stationary position	Connector material	TPU
Tightening torque  Cable  10 m, 4-wire, PVC  Jacket material  PVC  Orange  Cable diameter  Conductor cross section  Shielding  Bending radius  Flexible use Stationary position  Reference voltage  Signature  Current loading  Application  Enclosure rating  Ambient operating temperature  Flexible use Stationary position  Flexible use +5 °C +80 °C  -40 °C +80 °C	Connector color	Orange
Cable  Jacket material  PVC  PVC  Jacket color  Cable diameter  Conductor cross section  Shielding  Bending radius  Flexible use Stationary position  Reference voltage  ≤ 250 V  Current loading  Application  Enclosure rating  Ambient operating temperature  Flexible use Stationary position	Locking nut material	CuZn, nickel-plated brass
Jacket color Cable diameter 5 mm Conductor cross section Shielding Unshielded Bending radius Flexible use Stationary position  Reference voltage  ≤ 250 V  Current loading Application Enclosure rating Flexible use Flexible use Stationary position Flexible use	Tightening torque	0.5 Nm
Jacket color       Orange         Cable diameter       5 mm         Conductor cross section       0.25 mm²         Shielding       Unshielded         Bending radius       > 10 x cable diameter         Stationary position       > 5 x cable diameter         Reference voltage       ≤ 250 V         Current loading       4 A         Application       Zones with chemicals         Enclosure rating       IP67         Ambient operating temperature       +5 °C +80 °C         Stationary position       -40 °C +80 °C	Cable	10 m, 4-wire, PVC
Cable diameter Conductor cross section 0.25 mm²  Shielding Bending radius Flexible use Stationary position Reference voltage  ≤ 250 V  Current loading Application Enclosure rating Ambient operating temperature Flexible use Stationary position	Jacket material	PVC
Conductor cross section  Shielding  Bending radius  Flexible use Stationary position  Reference voltage  ≤ 250 V  Current loading  Application  Enclosure rating  Ambient operating temperature  Flexible use Stationary position  Possible use Flexible use Stationary position  Flexible use Stationary position  Stationary position  O.25 mm²  > 10 x cable diameter  > 5 x cable diameter	Jacket color	Orange
Shielding Unshielded   Bending radius Flexible use Stationary position > 10 x cable diameter   Reference voltage ≤ 250 V   Current loading 4 A   Application Zones with chemicals   Enclosure rating IP67   Ambient operating temperature Flexible use Stationary position +5 °C +80 °C   Stationary position -40 °C +80 °C	Cable diameter	5 mm
Bending radius  Flexible use Stationary position  Reference voltage  \$\leq 250 \text{ V}\$  Current loading  Application  Enclosure rating  Flexible use Flexible use Stationary position  Flexible use +5 °C +80 °C -40 °C +80 °C -40 °C +80 °C	Conductor cross section	0.25 mm <sup>2</sup>
Flexible use Stationary position  Reference voltage  \$\leq 250 \text{ V}\$  Current loading  Application  Enclosure rating  Flexible use Flexible use Stationary position  \$\leq 10 \times \text{ cable diameter}\$  \$\leq 5 \times \text{ cable diameter}\$  \$\leq 250 \times \text{ V}\$  4 A  Zones with chemicals  IP67  Ambient operating temperature  Flexible use Stationary position  \$\leq 10 \times \text{ cable diameter}\$  \$\leq 250 \times \text{ V}\$  4 A  \$\leq 20 \text{ cable diameter}\$  \$\leq 250 \text{ V}\$  4 A  \$\leq 20 \text{ cable diameter}\$  \$\leq 250 \text{ V}\$  \$\leq 20 \text{ cable diameter}\$  \$\leq 20 \text{ cable diameter}\$  \$\leq 20	Shielding	Unshielded
Stationary position  Reference voltage  ≤ 250 V  Current loading  Application  Enclosure rating  Flexible use Flexible use Flexible use Stationary position  > 5 x cable diameter  > 6 x cable diameter  > 6 x cable diameter  > 7 x cable diameter  > 6 x cable diameter  > 7 x cable diameter  > 6 x cable diameter	Bending radius	
Reference voltage  ≤ 250 V  Current loading 4 A  Application Zones with chemicals  Enclosure rating IP67  Ambient operating temperature  Flexible use +5 °C +80 °C  Stationary position -40 °C +80 °C	Flexible use	> 10 x cable diameter
<ul> <li>≤ 250 V</li> <li>Current loading</li> <li>Application</li> <li>Enclosure rating</li> <li>Ambient operating temperature</li> <li>Flexible use +5 °C +80 °C</li> <li>Stationary position</li> <li>≤ 250 V</li> <li>A A</li> </ul>	Stationary position	> 5 x cable diameter
Current loading 4 A  Application Zones with chemicals  Enclosure rating IP67  Ambient operating temperature  Flexible use +5 °C +80 °C  Stationary position -40 °C +80 °C	Reference voltage	
Application  Enclosure rating  IP67  Ambient operating temperature  Flexible use +5 °C +80 °C  Stationary position  Zones with chemicals  IP67  -40 °C +80 °C		≤ 250 V
Enclosure rating  Ambient operating temperature  Flexible use +5 °C +80 °C  Stationary position -40 °C +80 °C	Current loading	4 A
Ambient operating temperature  Flexible use +5 °C +80 °C  Stationary position -40 °C +80 °C	Application	Zones with chemicals
Flexible use +5 °C +80 °C  Stationary position -40 °C +80 °C	Enclosure rating	IP67
Stationary position -40 °C +80 °C	Ambient operating temperature	
Head -25 °C +80 °C		
	Head	-25 °C +80 °C

#### 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))



# 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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