

# DOL-0803-G03MC

Other connectors and cables

**PLUG CONNECTORS AND CABLES** 





#### Ordering information

Туре	Part no.
DOL-0803-G03MC	6038991

Other models and accessories 

www.sick.com/Other\_connectors\_and\_cables



#### Detailed technical data

#### Technical specifications

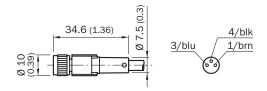
Accessory family         Connection type head A           Connection type head B         Flying leads           Connection type         Flying leads           Connector other material         TPU           Connector color         Black           Locking nut material         Zinc die-cast, nickel-plated           Locking nut material         Zinc die-cast, nickel-plated           Locking nut material         Zinc die-cast, nickel-plated           Locking nut material         PUR, halogen-free           Jacket material         PUR, halogen-free           Jacket color         Black           Cable diameter         4.7 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         ≤ 60 ∨           Reference voltage         ≤ 60 ∨           Current loading         4 A           Traversing speed         Max. 3 m/s           Travelling distance         10 m           Acceleration         ≤ 10 m/s²           Signal type         Sensor/actuator cable           Application	recillical specifications	
Connection type head A Connection type head B Connection type Flying leads Flying leads Connector material TPU Connector color Locking nut material Tightening torque O.2 Nm Jacket material Jacket color Black Cable 3 m, 3-wire, PUR, halogen-free Black Cable diameter Cable diameter Cable diameter  Cable diameter Cable diameter  Cable diameter 4.7 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles  Reference voltage  Section  Max. 3 m/s Traversing speed Travelling distance Acceleration Signal type Application  Zones with oils and lubricants Drag chain operation	Accessory group	Plug connectors and cables
Connection type         Flying leads           Connector material         TPU           Connector color         Black           Locking nut material         Zinc die-cast, nickel-plated           Tightening torque         0.2 Nm           Cable         3 m, 3-wire, PUR, halogen-free           Jacket material         PUR, halogen-free           Jacket color         Black           Cable diameter         4.7 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           Seference voltage         ≤ 60 V           Current loading         4 A           Traversing speed         Max. 3 m/s           Travelling distance         10 m           Acceleration         ≤ 10 m/s²           Signal type         Sensor/actuator cable           Application         Zones with oils and lubricants Drag chain operation	Accessory family	Connecting cables
Connection type         Flying leads           Connector material         TPU           Connector color         Black           Locking nut material         Zinc die-cast, nickel-plated           Tightening torque         0.2 Nm           Cable         3 m, 3-wire, PUR, halogen-free           Jacket material         PUR, halogen-free           Jacket color         Black           Cable diameter         4.7 mm           Conductor cross section         0.34 mm²           Shielding         Unshielded           Bending radius         Flexible use Stationary position           Stationary position         > 5 x cable diameter           > 5 x cable diameter         2 4,000,000           Reference voltage         ≤ 60 V           Current loading         4 A           Traversing speed         Max. 3 m/s           Travelling distance         10 m           Acceleration         ≤ 10 m/s²           Signal type         Sensor/actuator cable           Application         Zones with oils and lubricants Drag chain operation	Connection type head A	Female connector, M8, 3-pin, straight
Connector material Connector color Locking nut material Tightening torque O.2 Nm Cable Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.7 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage  ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application  TPU Black Zinc die-cast, nickel-plated Zinc die cast, nickel-plated Zinc di	Connection type head B	Flying leads
Connector color Locking nut material Zinc die-cast, nickel-plated Zinc die	Connection type	Flying leads
Locking nut material       Zinc die-cast, nickel-plated         Tightening torque       0.2 Nm         Cable       3 m, 3-wire, PUR, halogen-free         Jacket material       PUR, halogen-free         Jacket color       Black         Cable diameter       4.7 mm         Conductor cross section       0.34 mm²         Shielding       Unshielded         Bending radius       Flexible use Stationary position         Fiexible use Stationary position       > 5 x cable diameter         > 5 x cable diameter       > 4,000,000         Reference voltage       ≤ 60 V         Current loading       4 A         Traversing speed       Max. 3 m/s         Travelling distance       10 m         Acceleration       ≤ 10 m/s²         Signal type       Sensor/actuator cable         Application       Zones with oils and lubricants Drag chain operation	Connector material	TPU
Tightening torque  Cable  3 m, 3-wire, PUR, halogen-free  Jacket material  PUR, halogen-free  Black  Cable diameter  4.7 mm  Conductor cross section  Shielding  Bending radius  Flexible use Stationary position  Bending cycles  Reference voltage  ≤ 60 V  Current loading  Traversing speed  Travelling distance  Acceleration  Signal type  Application  2 m, 3-wire, PUR, halogen-free  Black  9 UR, halogen-free  Black  4.7 mm  0.34 mm²  0.34 mm²  10 x cable diameter  > 5 x cable diameter  > 4,000,000  Acable diameter  > 5 x cable diameter  > 60 V  Current loading  Traversing speed  Max. 3 m/s  Travelling distance  Acceleration  Signal type  Application	Connector color	Black
Cable 3 m, 3-wire, PUR, halogen-free   Jacket material PUR, halogen-free   Jacket color Black   Cable diameter 4.7 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   Current loading 4 A   Traversing speed Max. 3 m/s   Travelling distance 10 m   Acceleration ≤ 10 m/s²   Signal type Sensor/actuator cable   Application Zones with oils and lubricants Drag chain operation	Locking nut material	Zinc die-cast, nickel-plated
Jacket material PUR, halogen-free   Jacket color Black   Cable diameter 4.7 mm   Conductor cross section 0.34 mm²   Shielding Unshielded   Bending radius Flexible use Stationary position   Bending cycles ≥ 10 x cable diameter   Stationary position > 5 x cable diameter   Seference voltage ≤ 60 V   Current loading 4 A   Traversing speed Max. 3 m/s   Travelling distance 10 m   Acceleration ≤ 10 m/s²   Signal type Sensor/actuator cable   Application Zones with oils and lubricants Drag chain operation	Tightening torque	0.2 Nm
Jacket color Black   Cable diameter 4.7 mm   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   Current loading 4 A   Traversing speed Max. 3 m/s   Travelling distance 10 m   Acceleration ≤ 10 m/s²   Signal type Sensor/actuator cable   Application Zones with oils and lubricants Drag chain operation	Cable	3 m, 3-wire, PUR, halogen-free
Cable diameter 4.7 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   Current loading 4 A   Traversing speed Max. 3 m/s   Travelling distance 10 m   Acceleration ≤ 10 m/s²   Signal type Sensor/actuator cable   Application Zones with oils and lubricants Drag chain operation	Jacket material	PUR, halogen-free
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   Current loading 4 A   Traversing speed Max. 3 m/s   Travelling distance 10 m   Acceleration ≤ 10 m/s²   Signal type Sensor/actuator cable   Application Zones with oils and lubricants Drag chain operation	Jacket color	Black
Shielding Unshielded   Bending radius > 10 x cable diameter   Stationary position > 5 x cable diameter   Bending cycles ≥ 4,000,000   Reference voltage ≤ 60 V   Current loading 4 A   Traversing speed Max. 3 m/s   Travelling distance 10 m   Acceleration ≤ 10 m/s²   Signal type Sensor/actuator cable   Application Zones with oils and lubricants Drag chain operation	Cable diameter	4.7 mm
Bending radius  Flexible use Stationary position  Bending cycles  Reference voltage  ≤ 60 V  Current loading  Traversing speed  Travelling distance  Acceleration  Signal type  Application  Flexible use > 10 x cable diameter > 5 x cable diameter ≥ 4,000,000  A x d d d d d d d d d d d d d d d d d d	Conductor cross section	0.34 mm <sup>2</sup>
Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter ≥ 4,000,000  Reference voltage ≤ 60 V  Current loading 4 A  Traversing speed Max. 3 m/s  Travelling distance 10 m  Acceleration ≤ 10 m/s²  Signal type Sensor/actuator cable  Application Zones with oils and lubricants Drag chain operation	Shielding	Unshielded
Stationary position > 5 x cable diameter  ≥ 4,000,000  Reference voltage  ≤ 60 V  Current loading	Bending radius	
Bending cycles ≥ 4,000,000   Reference voltage ≤ 60 V   Current loading 4 A   Traversing speed Max. 3 m/s   Travelling distance 10 m   Acceleration ≤ 10 m/s²   Signal type Sensor/actuator cable   Application Zones with oils and lubricants Drag chain operation	Flexible use	> 10 x cable diameter
Reference voltage  ≤ 60 V  Current loading 4 A  Traversing speed Max. 3 m/s  Travelling distance 10 m  Acceleration ≤ 10 m/s²  Signal type Sensor/actuator cable  Application Zones with oils and lubricants Drag chain operation	Stationary position	> 5 x cable diameter
<ul> <li>≤ 60 V</li> <li>Current loading</li> <li>4 A</li> <li>Traversing speed</li> <li>Max. 3 m/s</li> <li>Travelling distance</li> <li>10 m</li> <li>Acceleration</li> <li>≤ 10 m/s²</li> <li>Signal type</li> <li>Sensor/actuator cable</li> <li>Application</li> <li>Zones with oils and lubricants Drag chain operation</li> </ul>	Bending cycles	≥ 4,000,000
Current loading       4 A         Traversing speed       Max. 3 m/s         Travelling distance       10 m         Acceleration       ≤ 10 m/s²         Signal type       Sensor/actuator cable         Application       Zones with oils and lubricants Drag chain operation	Reference voltage	
Traversing speed       Max. 3 m/s         Travelling distance       10 m         Acceleration       ≤ 10 m/s²         Signal type       Sensor/actuator cable         Application       Zones with oils and lubricants Drag chain operation		≤ 60 V
Travelling distance     10 m       Acceleration     ≤ 10 m/s²       Signal type     Sensor/actuator cable       Application     Zones with oils and lubricants Drag chain operation	Current loading	4 A
Acceleration       ≤ 10 m/s²         Signal type       Sensor/actuator cable         Application       Zones with oils and lubricants Drag chain operation	Traversing speed	Max. 3 m/s
Signal type  Sensor/actuator cable  Zones with oils and lubricants Drag chain operation	Travelling distance	10 m
Application Zones with oils and lubricants Drag chain operation	Acceleration	≤ 10 m/s²
Drag chain operation	Signal type	Sensor/actuator cable
<b>Authorizations</b> UL	Application	
	Authorizations	UL

UL File No.	CYJV.E335179
Enclosure rating	IP65/ IP68
Ambient operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-40 °C +80 °C
Head	-25 °C +90 °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.

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For us, that is "Sensor Intelligence."

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