

DOL-1205-G05MAC25

Sensor/actuator cable



DOL-1205-G05MAC25 | Sensor/actuator cable



Ordering information

Туре	Part no.
DOL-1205-G05MAC25	6043440

Illustration may differ

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

Detailed technical data

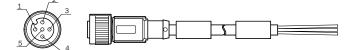
Technical specifications

Connection type head B Female connector, M12, 5-pin, straight Connection type Pying leads Connector material TPU Connector material Zinc die cast, nickel-plated Connector color Green Locking nut material Zinc die cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR, halogen-free Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius Flexible use > 10 x cable diameter Stationary position > x cable diameter Stationary position > x cable diameter Bending cycles 4,000,000 Reference voltage 40 Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m/s² Signal type Sensor/actuator cable Application 20 nes with oils and fubricants prize to para chain operation Enclosure rating Plexi libe use para chain operation 25 °C +8		
Connection type Connector material Connector color Cocking nut material Cocking nut materi	Connection type head A	Female connector, M12, 5-pin, straight
Connector color Green Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5 wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.34 mm² Shielding > 10 x cable diameter Bending radius > 10 x cable diameter Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Gending cycles \$ 4,000,000 Reference voltage \$ 60 V Current loading 4 A Traversing speed 3 m/s Travesling distance 4 0 m/s² Acceleration \$ 10 m/s² Signal type \$ ensor/actuator cable Application \$ constraint operation Enclosure rating Piesible use flexible use flexible use frequestion Stationary position \$ 25 °C +80 °C Stationary position 40°C +80 °C	Connection type head B	Flying leads
Connector color Green Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius Flexible use Stationary position > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position ≤ 4,000,000 Current loading 4 A Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Cones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67 Operating temperature -25 °C+80 °C. Flexible use Stationary position -25 °C+80 °C. Current loading -25 °C+80 °C.	Connection type	Flying leads
Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5 wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5 m m Conductor cross section 0.34 mm² Shelding Shelded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration 3 m/s² Signal type 2 t0 m/s² Application Zones with oils and lubricants Drag chain operation Enclosure rating Ip65/ IP67 Operating temperature -25 °C+80 °C Flexible use -25 °C+80 °C Stationary position	Connector material	TPU
Tightening torque Cable Sm, 5-wire, PUR, halogen-free Jacket material Jacket color Jacket color Sheldiameter Conductor cross section Shielding Bending radius Flexible use Stationary position Stationary position Reference voltage Current loading Travelling distance Acceleration Signal type Application Signal type Application Flexible use Stationary position Flexible use Signal type Application Flexible use Flexible use Flexible use Signal type Application Flexible use Signal type Application Signal type Application Stationary position Flexible use Flexible use Signal type Application Stationary position Flexible use Flexible use Stationary position Flexible use Stationary PUR Pur Pur Stationary	Connector color	Green
Cable 5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter 5.9 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius Flexible use Stationary position 5 x cable diameter Stationary position 5 x cable diameter \$ 4,000,000 Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration \$ 10 m Acceleration \$ 10 m/s² Signal type Application 2 conse with oils and lubricants Drag chain operation Enclosure rating Plexible use Stationary position of Cc +80 °C Stationary position + 25 °C +80 °C -40 °C +80 °C -40 °C +80 °C -40 °C +80 °C	Locking nut material	Zinc die-cast, nickel-plated
Jacket material Jacket color Black Cable diameter Conductor cross section Shielding Shielded Flexible use Stationary position Current loading Traversing speed Travelling distance Acceleration Signal type Application Flexible use Stationary position Sensor/actuator cable Dending type Application Flexible use Flexible use Stationary position Flexible use Sensor/actuator cable Denating temperature Flexible use Stationary position Flexible use Stationary position Flexible use Flexible use Stationary position Flexible use St	Tightening torque	0.4 Nm
Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius Flexible use Stationary position > 10 x cable diameter Bending cycles > 2 x cable diameter Reference voltage ≤ 60 V Current loading 4 A Traversing speed 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 Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position -25 °C +80 °C Stationary position -40 °C +80 °C	Cable	5 m, 5-wire, PUR, halogen-free
Cable diameter 5.9 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≤ 4,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 40 m/s² Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position -25 °C +80 °C	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Stationary position Current loading Traversing speed Travelling distance Acceleration Signal type Acceleration Consessified Application Flexible use	Jacket color	Black
Shielding Shielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Sending cycles ≤ 4,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 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 Enclosure rating 1P65/ IP67 Operating temperature Flexible use Stationary position -25 °C +80 °C Stationary position -25 °C +80 °C	Cable diameter	5.9 mm
Bending radius Flexible use Stationary position Stationary position Bending cycles Reference voltage \$ 4,000,000 Current loading Traversing speed \$ 3 m/s Travelling distance Acceleration Signal type Application Signal type Application Flexible use Stationary position A coale diameter \$ 10 x cable diameter \$ 4,000,000 \$ 4,000,000 \$ 4,000,000 \$ 4,000,000 \$ 4,000,000 \$ 4,000,000 \$ 4,000,000 \$ 4,000,000 \$ 4,000,000 \$ 5,000 \$ 5,000 \$ 6	Conductor cross section	0.34 mm ²
Flexible use Stationary position Stationary positi	Shielding	Shielded
Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application Flexible use Flexible use Flexible use Stationary position > 5 x cable diameter ≤ 4,000,000 A Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	Bending radius	
Bending cycles ≤ 4,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 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 Enclosure rating IP65/ IP67 Operating temperature -25 °C +80 °C Stationary position -40 °C +80 °C	Flexible use	> 10 x cable diameter
Reference voltage ≤ 60 V Current loading 4 A Traversing speed Travelling distance Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating Operating temperature Flexible use Stationary position Flexible vs25 °C +80 °C -40 °C +80 °C	Stationary position	> 5 x cable diameter
Current loading 4 A Traversing speed 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 Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position -25 °C +80 °C -40 °C +80 °C	Bending cycles	≤ 4,000,000
Current loading 4 A Traversing speed 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 Enclosure rating IP65/ IP67 Operating temperature -25 °C +80 °C Stationary position -40 °C +80 °C	Reference voltage	
Traversing speed Travelling distance Acceleration Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C		≤ 60 V
Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position Stationary position -25 °C +80 °C -40 °C +80 °C	Current loading	4 A
Acceleration ≤ 10 m/s² Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use -25 °C +80 °C Stationary position -40 °C +80 °C	Traversing speed	3 m/s
Signal type Application Zones with oils and lubricants Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position Stationary position Sensor/actuator cable Zones with oils and lubricants Drag chain operation P65/ IP67 -25 °C +80 °C -40 °C +80 °C	Travelling distance	10 m
Application Zones with oils and lubricants Drag chain operation IP65/ IP67 Operating temperature Flexible use Stationary position Zones with oils and lubricants Drag chain operation IP65/ IP67 C +80 °C -40 °C +80 °C	Acceleration	≤ 10 m/s²
Enclosure rating IP65/ IP67 Operating temperature Flexible use -25 °C +80 °C Stationary position Proceeding temperature -25 °C +80 °C	Signal type	Sensor/actuator cable
Operating temperature Flexible use -25 °C +80 °C Stationary position -40 °C +80 °C	Application	
Flexible use -25 °C +80 °C -40 °C +80 °C	Enclosure rating	IP65/ IP67
Stationary position -40 °C +80 °C	Operating temperature	
	Flexible use	-25 °C +80 °C
Head -25 °C +90 °C	Stationary position	-40 °C +80 °C
	Head	-25 °C +90 °C

Classifications

FOLACC F O	10020212
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

PIN assignment



- ① Brown
- ② White
- 3 Blue4 Black
- 4) Black5) Gray

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