# DOL-1204G05MC75KM0

Sensor/actuator cable

**PLUG CONNECTORS AND CABLES** 



### DOL-1204G05MC75KM0 | Sensor/actuator cable

PLUG CONNECTORS AND CABLES



Ordering information

Туре	Part no.
DOL-1204G05MC75KM0	2079291

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

### Detailed technical data

Technical specifications

Accessory groupPlug connectors and cablesAccessory familyConnecting cablesConnection type head AFinale connector, M12, 4.pin, straightConnector type head AFiying leadsConnector materialFiying leadsConnector materialBlackConnector colorBlackConnector colorConnector, M12, Alpin, straightConnector colorBlackConnector colorBlackConnector colorConnector, M12, Malagen-freeTightening torque0.75 mm²CableS.9 mm²Conductor colorS.9 mm²Conductor color0.75 mm²Stationary positionS table diameterConductor colorS 10 x cable diameterStationary positionS table diameterStationary positionS S cable diameterStationary position <td< th=""><th></th><th></th></td<>		
Connection type head AFenale connector, M12, 4pin, straightConnection type head BFiyn leadsConnection typeFiyn leadsConnector materialTPUConnector colorBlackLocking nut materialCin die-cast, nickel-platedTigtening torque0.4 NmCableBlackCableBlackCableBlackCable diameter5.9 mmCable diameter5.9 mmCable diameter5.9 cmsStationary position5.5 cable diameterStationary position5.5 cable diameterStationary position5.5 cable diameterCarrent Loading4.0Tavening speed3.0%Current LoadingA.1Acceleration5.9 m/sCurrent LoadingA.1Acade diameter5.2 cable diameterStationary position5.5 cable diameter </th <th>Accessory group</th> <th>Plug connectors and cables</th>	Accessory group	Plug connectors and cables
Connection typeFind leadsConnection typeFind leadsConnector naterialFVConnector colorBlackConnector colorBlackIncelences, incluel-platedConnector colorTightening torque0.4 NmCableSm, 4-wire, PUR, halogen-freeJacket colorBlackConductor cross section0.9 mmConductor cross section0.75 mm²SheldingVocable diameterShelding> 100 cable diameterStationary position> 50 cable dia	Accessory family	Connecting cables
Connector typeFiying leadsConnector materialTUConnector colorBlackLocking nut materialCin die-cast, nickel-platedTigttening torque0.4 NmCablesm, 4.wire, PUR, halogen-freeJacket taaterialBlackJacket colorBlackCable diameter0.9 mmCable diameter0.9 mmShelding0.75 mm²Shelding10x cable diameterStationary postion10x cable diameterStationary postion5 x cable diameterStationary postion2.000,000Reference voltage2.000,000Current loading5 mYavelling distance5 mAcceleration0.75 ms²Stationary postion5 mStationary postion2.000,000Current loading5 mCurrent loading6 mAcceleration5 m/s²Stationary postion5 m/s²Stationary postion poeration poeration5 m/s²Stationary postion po	Connection type head A	Female connector, M12, 4-pin, straight
Connector colorFUConnector colorBackLocking nut materialCin die cast, nickel-piatedLocking nut materialSin die cast, nickel-piatedTigttening torque0.4 NnCableSin, 4.wire, PUR, halogen-freeJacket materialBlackJacket colorBlackCable diameterSin maConductor cross section0.75 mm²SheldingUnsheldedFiceble us> 10 x cable diameterStationary position> 5 x cable diameter	Connection type head B	Flying leads
Connector colorBickLocking nut materialCincieccas, nickel-platedTaytening torque0.4 NnCableSm. 4wire, PUR, halogen-freeJacket materialPUR, halogen-freeJacket colorBickCable diameterSm. Nickel-PUR Cable C	Connection type	Flying leads
Locking nut materialIndiciecast, nickel-platedTightening torque0.4 kmCable5 m. 4 wire, PUR, halogen-freeJacket naterialPUR, halogen-freeJacket colorBlackCable dameter5.9 mmCohladot cross section0.75 miRBending radius> 10.2 koalel diameterFlexiburs> 10.2 koalel diameterStationary position> 5.0 koalel dia	Connector material	TPU
Tightening torque0.4 NmCable5m, 4wire, PUR, halogen-freeJacket materialPUR, halogen-freeJacket colorBlackCable diameter5.9 mmConductor cross section0.75 mm²SheldingUswielde diameterStationary position> 10 x cable diameterStationary position> 2000Rener color2000Conduct cross gection3 m/sBending coles2 social diameterStationary position> 2 social diameterConduct coles3 m/sConduct coles3 m/sColes coles cole	Connector color	Black
CableFinal Argent Pure Pure Pure Pure Pure Pure Pure Pure	Locking nut material	Zinc die-cast, nickel-plated
Jacket material     PUR, halogen-free       Jacket color     Back       Cable diameter     5.9 mm       Conductor cross section     0.75 mm²       Shelding     Unshielded       Bending radius     -       Flexible on     > 10 x cable diameter       Stationary position     > 5 x cable diameter       Stationary position     > 2,000,000       Reference voltage     2,2000,000       Current loading     4 A       Taversing speed     5 m       Acceleration     5 m/s²       Signal type     S m/s²       Application     Sonsor/actuator cable       Signal type     Sonsor/actuator cable       Flexible     Sonsor/actuator cable       Signal type     Sonsor/actuator cable       Application     Sonsor/actuator cable       Flexible     Sonsor/actuator cable       Signal type     Sonsor/actuator cable       Benching column     Sonsor/actuator cable       Signal type     Sonsor/actuator cable       Benching column     Sonsor/actuator cable       Sonsor traition and lubricants     So	Tightening torque	0.4 Nm
Jacket color     Biak       Jacket color     Biak       Cable diameter     5.7 mm²       Conductor cross section     Unshielded       Shelding     Unshielded       Bending radius     -       Flexible us     5.10 x cable diameter       Stationary position     5.2 x cable diameter       Stationary position     5.2 x cable diameter       Reference voltage     2,000,000       Current loading     4.4       Taversing speed     3 m/s       Acceleration     5 m/s       Signal type     Sensition cable       Application     Sins and lubricants brag chain operation       Specification     Sins with oils and lubricants brag chain operation       Application     PioS/PIOFNES	Cable	5 m, 4-wire, PUR, halogen-free
Cable diameter   5.9 mm     Conductor cross section   0.75 mm²     Shelding   Unshielded     Bending radius   > 10 x cable diameter     Flexible us   > 5 x cable diameter     Stationary positio   > 5 x cable diameter     Bending cycles   ≥ 2,000,000     Reference voltage   > 2250 V     Current loading   4 A     Taversing speed   5 m s     Acceleration   5 m/s²     Signal type   Sens/actuator cable     Application   Sens/actuator cable     Forsover atting   Sens/actuator cable     Application   Sens/actuator cable     Forsover atting   Sensover atting over atting over atting </th <th>Jacket material</th> <th>PUR, halogen-free</th>	Jacket material	PUR, halogen-free
Conductor cross section.05 mm²SheldingLoshieldeBending radius> 10 x cable diameterStationary position> 5 x cable diameterStationary position> 5 x cable diameterStationary position> 2000,000Reference voltage250 vCurrent loadingA ATaversing speedSin SallAccelerationSin SallAccelerationSin SallSignal typeSin SallApplicationSin SallSignal typeSin SallSignal type <th>Jacket color</th> <th>Black</th>	Jacket color	Black
ShedingDescentionBending radius> 10 xable diameterFexibuo en Stationary position> 10 xable diameterStationary position> 200000Bending cycles> 200000Reference voltage> 2000002 Solo J> 200000Current loading4 ATaversing speedSins/aAcceleration> Sins/aSing log Log> Sins/aSing type> Sins/aAccelerationSins/aSing type> Sins/a currentsApplicationSins/a currentsSing type> Sins/a currentsApplicationSins/a currentsBecomparison> Sins/a currentsSing type> Sins/a currentsApplication> Sins/a currentsBecomparison> Sins/a currentsBecomparison> Sins/a currentsBecomparison> Sins/a currentsBecomparison> Sins/a currentsBecomparison> Sins/a currentsSins currents> Sins/a currentsSins currents> Sins/a currentsSins currents> Sins/a currentsSins currents> Sins currents <tr< th=""><th>Cable diameter</th><th>5.9 mm</th></tr<>	Cable diameter	5.9 mm
Bending radius     > 10 x cable diameter       Stationary position     > 5 x cable diameter       Stationary position     > 5 x cable diameter       Bending cycles     > 2,000,000       Reference voltage     > 2,000,000       Current loading     4 A       Traversing speed     3 m/s       Travelling distance     5 m/s²       Signal type     Sens/cutator cable       Application     Sons/cutator cable       Finester rating     Sens/cutator cable       Finester rating     Sens/cutator cable       Bending rating     Sens/cutator cable       Signal type     Sens/cutator cable       Finester rating     Sens/cutator cable       Bending coperation     Senseration       Finester rating     Sens/cutator cable       Senserition     Senserition	Conductor cross section	0.75 mm <sup>2</sup>
Flexible use   > 10 x cable diameter     Stationary position   > 5 x cable diameter     Bending cycles   > 2,000,000     Reference voltage   > 250 V     Current loading   4 A     Traveling distance   3 m/s     Acceleration   5 m 3     Acceleration   5 m 3     Agnication position   5 m 3     Application   Sons/actuator cable     Application   Sons/actuator cable     Facepare training   Sons/actuator cable     Facepare training   Sons/actuator cable     Application   Sons/actuator cable     Facepare training   Sons/actuator ca	Shielding	Unshielded
Stationary position   > 5 x cable diameter     Bending cycles   > 2,000,000     Reference voltage   > 250 V     Current loading   4 A     Traversing speed   3 m/s     Travelling distance   5 m     Acceleration   5 m/s²     Signal type   Sensor/actuator cable     Application   Conservition servition servitio	Bending radius	
Bending cycles   ≥ 2,000,000     Reference voltage   ≤ 250 V     Current loading   4 A     Traversing speed   3 m/s     Travelling distance   5 m     Acceleration   ≤ 5 m/s <sup>2</sup> Signal type   Sensor/actuator cable     Application   Description     Poscription   Head A: female connector, M12, 4-pin, straight Head B: cable: for voltage supply, suit-	Flexible use	> 10 x cable diameter
Reference voltage   >250 V     Current loading   4 A     Traversing speed   3 m/s     Travelling distance   5 m     Acceleration   5 m/s²     Signal type   Sensor/actuator cable     Application   Conse with oils and lubricants Drag chain operation     Frederating   P65/IP67/IP68     Description   Head A: female connector, M12, 4-pin, straight Head B: cable: for voltage supply, suit-	Stationary position	> 5 x cable diameter
Current loading≤ 250 VCurrent loading4 ATraversing speed3 m/sTravelling distance5 mAcceleration5 m/s²Signal typeSensor/actuator cableApplicationConse with oils and lubricants Drag chain operationEnclosure ratingIP65/ IP67/ IP68DescriptionHead A: female connector, M12, 4-pin, straight Head B: cable Cable; for voltage supply, suit-	Bending cycles	≥ 2,000,000
Current loading4 ATraversing speed3 m/sTravelling distance5 mAcceleration5 m/s²Signal typeSensor/actuator cableApplicationCones with oils and lubricants Drag chain operationEnclosure ratingP65/ IP67/ IP68DescriptionHead A: female connector, M12, 4-pin, straight Head B: cable Cables, for voltage supply, suit-	Reference voltage	
Traversing speed3 m/sTravelling distance5 mAcceleration< 5 m/s²		≤ 250 V
Travelling distance   5 m     Acceleration   5 m/s <sup>2</sup> Signal type   Sensor/actuator cable     Application   Zones with oils and lubricants Drag chain operation     Enclosure rating   IP65/ IP67/ IP68     Description   Head A: female connector, M12, 4-pin, straight Head B: cable Cable: for voltage supply, suit-	Current loading	4 A
Acceleration S m/s <sup>2</sup> Signal type Sensor/actuator cable   Application Zones with oils and lubricants Drag chain operation   Enclosure rating IP65/ IP67/ IP68   Description Head A: female connector, M12, 4-pin, straight Head B: cable Cable: for voltage supply, suit-	Traversing speed	3 m/s
Signal type Sensor/actuator cable   Application Zones with oils and lubricants Drag chain operation   Enclosure rating IP65/ IP67/ IP68   Description Head A: female connector, M12, 4-pin, straight Head B: cable Cable: for voltage supply, suit-	Travelling distance	5 m
Application   Zones with oils and lubricants Drag chain operation     Enclosure rating   IP65/ IP67/ IP68     Description   Head A: female connector, M12, 4-pin, straight Head B: cable Cable: for voltage supply, suit-	Acceleration	≤ 5 m/s²
Drag chain operation     Enclosure rating   IP65/ IP67/ IP68     Description   Head A: female connector, M12, 4-pin, straight Head B: cable Cable: for voltage supply, suit-	Signal type	Sensor/actuator cable
Description     Head A: female connector, M12, 4-pin, straight Head B: cable Cable: for voltage supply, suit-	Application	
•	Enclosure rating	IP65/ IP67/ IP68
	Description	

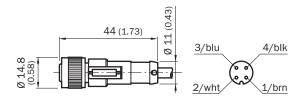
# DOL-1204G05MC75KM0 | Sensor/actuator cable PLUG CONNECTORS AND CABLES

Ambient operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-25 °C +80 °C
Head	-25 °C +90 °C

#### Classifications

	10020340
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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