

# DOL-1208G10MD25KM1

Sensor/actuator cable

**PLUG CONNECTORS AND CABLES** 



### DOL-1208G10MD25KM1 | Sensor/actuator cable

PLUG CONNECTORS AND CABLES



#### Ordering information

Туре	Part no.
DOL-1208G10MD25KM1	2079316

For 8-pin sensor-actuator cables, the wire colors are not standardized. Therefore, please observe the pin assignment of the sensor and the cable in the respective data sheet.

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

#### Detailed technical data

#### Technical specifications

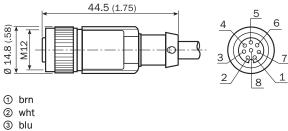
Accessor group       Piconnector snaceses         Accessor family       Oracitor colables         Connection type head A       Final connection M12.8 bin, straight, Acoded         Connection type head A       Final connection M12.8 bin, straight, Acoded         Connection type head A       Final connection M12.8 bin, straight, Acoded         Connection type head A       Final connection M12.8 bin, straight, Acoded         Connection type head A       Final connection M12.8 bin, straight, Acoded         Connection type head A       Final connection M12.8 bin, straight, Acoded         Connection type head A       Final connection M12.8 bin, straight, Acoded         Connector strain       Final connection M12.8 bin, strain M12.	-	
Connection type head AFemale connector, M12, 8-pin, straight, A-codedConnection type head BFiying leadsConnector naterialTPUConnector colorBackLocking nut materialCin die-cast, nickel-platedCoble0 m, 8-wire, PUR, halogen-freeJacket materialPUR, halogen-freeJacket colorSindie-cast, nickel-platedConductor coss section0.25 ms <sup>2</sup> Shielding0.25 ms <sup>2</sup> Shielding radius- 2.50 ms <sup>2</sup> Stationary positio9 x cable diameterStationary positio9 x cable diameterStationary positio- 9 x cable diameterStationary positio- 2.00 x -	Accessory group	Plug connectors and cables
Connection type head B         Flying leads           Connection type         Flying leads           Connector material         TPU           Connector color         Back           Connector color         Back           Condector color         Back           Condector color         On .8 wire, PUR, halogen free           Cole color         Back           Jacket material         PUR, halogen free           Jacket color         Back           Cold color         Sone Color           Conductor cross section         Sone Color           Shelding         Ussheided           Previewer         > 9 x cable diameter           Stationary positio         > 10 xolor           Correct tolonding         Con           Taversing speed         Anv/s           Stationary         <	Accessory family	Connecting cables
Connector typeForConnector materialFupConnector colorBackConnector colorBackConnector colorBackConnector colorBackConnector colorDon s-wire, PUR, halogen-freeCable diameterialSomaConductor cross sectionBackConductor cross sectionCosmaSheldingUnsheldedFlexible> 9 x cable diameterStationary position> 9 x cable d	Connection type head A	Female connector, M12, 8-pin, straight, A-coded
Connector colorFUConnector colorBakaLocking nut materialCaleicast, nickel-platedCableJon, Swire, PUR, halogen-freeJacket colorBakaJacket colorBakaConductor coss sectionSo maConductor coss sectionJonShieldingUsaledaPetraterialSo coss costStationary costSo costFetraterialSo costStationary costSo costStationary costSo costCorrent LoadingSo costCarent LoadingSo costStationary costSo costStationary costSo costCarent LoadingSo costCarent LoadingSo costStationary costSo costStationary costSo costStationary costSo costStationary costSo costCarent LoadingSo costStationary costSo costStationary c	Connection type head B	Flying leads
Concor colorBickLocking number colorKole colorCableSin Secon ColorJack colorBick colorJack colorSin Secon ColorCable dametraSin Secon ColorFacilitaSin Secon ColorFacilitaSin Secon ColorFacilitaSin Secon ColorCater colorSin Secon ColorCarent colorSin Secon ColorFacilitaSin Secon ColorFacilitaSin Secon ColorCarent colorSin Secon ColorFacilitaSin Secon ColorCarent colorSin Secon ColorFacilitaSin Secon Color </th <th>Connection type</th> <th>Flying leads</th>	Connection type	Flying leads
Locking nut materialDisclease index plateCable0m. Revier, PUR, halogen, freeLocket material0m. Revier, PUR, halogen, freeLocket color0m. Revier, PUR, Halogen, freeCable diameter0m. Revier, PUR, PUR, PUR, PUR, PUR, PUR, PUR, PUR	Connector material	TPU
Cable0 m, 8-wire, PUR, halogen-freeJacket naterial9UR, halogen-freeJacket colorBackCable diameter5.0 mmConductor cross section0.25 mm²SheldingUshieldedBending radius9 x cable diameterFlexible was9 x cable diameterStationary position9 x cable diameterS	Connector color	Black
Jacket material         PUR, halogen-free           Jacket color         Back           Cable diameter         5.9 mm <sup>2</sup> Conductor cross section         0.25 mm <sup>2</sup> Shelding         Unshielded           Shelding radius         9 x cable diameter           Flexible us         5.9 x cable diameter           Stationary positio         9 x cable diameter	Locking nut material	Zinc die-cast, nickel-plated
Jacket color         Bick           Cable diameter         5.9 mm           Conductor cross section         0.25 mm²           Shelding         Unshelded           Shelding radius         9 x cable diameter           Stationary position         4 x 00,000           Current loading         1 x 0,000           Taversing speed         1 x 0,000           Tavelling distance         1 x 0,000           Acceleration         1 x 0,000           Station         1 x 0,000           Station         1 x 0,000           Station         1 x 0,000           Statio	Cable	10 m, 8-wire, PUR, halogen-free
Cable diameter5.9 mmConductor cross section0.5 mm²Schelding0.5 mm²Shelding0.5 mm²Bending radius9 % cable diameterStationary to by9 % cable diameterStationary to by0.000.000Reference voltage-Stationary to by-Stationary to by-	Jacket material	PUR, halogen-free
Conductor cross section0.25 mm²SheldingDeskieledShelding radius	Jacket color	Black
ShedingUnderderderderderderderderderderderderderd	Cable diameter	5.9 mm
Bending radius       > 9 x cable diameter         Flexible us       > 9 x cable diameter         Stationary positio       > 9 x cable diameter         Bending cycles       4,00,000         Reference voltage       -         2 30 V       -         Current loading       2 A         Taversing speed       2 A         Taversing speed       3 m/s         Acceleration       10 m/s         Signal type       Sons/ractual biolise and bioli	Conductor cross section	0.25 mm <sup>2</sup>
Flexibition       > 9 x cable diameter         Stationary point       > 9 x cable diameter         Bending cycles       4,000,000         Reference voltage       > 30 x 0         Current loading       2 x 0         Taverling distance       10 x 0         Acceleration       2 x 0         Stationary point       2 x 0         Acceleration       2 x 0         Applications       2 x 0	Shielding	Unshielded
Stationaryosis9 a cable diameterBending cycles400,000Reference voltage3002 a Sub300Current loading9 ATaversing speed9 N3 raveling distance10 NAcceleration9 Non/SubSignal type9 Non/SubApplicationsSub Sub Sub Sub Sub Sub Sub Sub Sub Sub	Bending radius	
Bending cycles       4,000,000         Reference voltage       30/0         Current loading       30/0         Traversing speed       3 M/S         Traveling distance       10 m         Acceleration       5 In M/S         Signal type       6 nosv/catuato cable         Application       Conswith oils and lubricants brag chain operation         Answet operation       Sinswith oils and lubricants         Ambient operation       Conswith oils and lubricants         Answet operation       Sinswith oils and lubricants	Flexible use	> 9 x cable diameter
Reference voltage     ≤ 30 V       Current loading     2 A       Traversing speed     3 m/s       Travelling distance     10 m       Acceleration     ≤ 10 m/s²       Signal type     Sensor/actuator cable       Application     Conservition is and lubricants brag chain operation	Stationary position	> 9 x cable diameter
Signal typeSignal typeApplicationSinswith oils and lubricants or genationAmber type typeSignal typeAmber type typeSignal typeApplicationSignal type typeAmber type typeSignal type type typeAmber type type type type type type type type	Bending cycles	4,000,000
Current loading2 ATraversing speed3 m/sTravelling distance10 mAcceleration< 10 m/s²	Reference voltage	
Traversing speed3 m/sTravelling distance10 mAcceleration< 10 m/s²		≤ 30 V
Travelling distance     10 m       Acceleration     ≤ 10 m/s <sup>2</sup> Signal type     Sensor/actuator cable       Application     Cones with oils and lubricants brag chain operation       Ambient operating temperature     Vertication	Current loading	2 A
Acceleration     ≤ 10 m/s <sup>2</sup> Signal type     Sensor/actuator cable       Application     Zones with oils and lubricants Drag chain operation       Ambient operating temperature     Units and sensor actuator cable	Traversing speed	3 m/s
Signal type     Sensor/actuator cable       Application     Zones with oils and lubricants Drag chain operation       Ambient operating temperature     Consection	Travelling distance	10 m
Application     Zones with oils and lubricants       Ambient operating temperature     Zones with oils and lubricants	Acceleration	≤ 10 m/s²
Ambient operating temperature         Drag chain operation	Signal type	Sensor/actuator cable
	Application	
Flexible use -5 °C +80 °C	Ambient operating temperature	
	Flexible use	-5 °C +80 °C
Stationary position -40 °C +80 °C	Stationary position	-40 °C +80 °C
Head -25 °C +90 °C	Head	-25 °C +90 °C

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#### 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

6 gra
6 pnk
7 Violet

⑧ Orange

## 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:

Contacts and other locations -www.sick.com



Online data sheet

