

DOL-2319-G10MC

Sensor/actuator cable





Ordering information

Туре	Part no.
DOL-2319-G10MC	6028401

Other models and accessories → www.sick.com/Sensor_actuator_cable



Detailed technical data

Technical specifications

Connection type head A Female connector, M23, 19-pin, straight Connector type head B Flying leads Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Cable 10 m, 19-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 11.6 mm Conductor cross section 16 x 0.5 mm² + 3 x 1.0 mm² Shielding Unshelded Bending radius Flexible use Stationary position > 10 x cable diameter Stationary position > 5 x cable diameter Signal type ≤ 120 V DC Rated impulse voltage 1.5 kV Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Authorizations CE Enclosure rating IPG7 Operating temperature Flexible use Stationary position Drag chain operation ≤ +60 ° C	тости оргонизации	
Locking plug connector Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Cable 10 m, 19-wire, PUR, halogen-free Jacket color Black Cable diameter 11.6 mm Conductor cross section 16 x 0.5 mm² + 3 x 1.0 mm² Shielding Unshielded Bending radius Flexible use Stationary position Bending cycles Reference voltage \$1.5 kV Signal type Application Authorizations Flexible use Stationary position Flexible use Cones with oils and lubricants Drag chain operation Authorizations Flexible use Flexible use Stationary position Flexible use Sensor/actuator cable Flexible use Stationary position Authorizations CE Enclosure rating Operating temperature Flexible use Stationary position	Connection type head A	Female connector, M23, 19-pin, straight
Connector material Connector color Black Locking nut material Seal material FKM Cable 10 m, 19-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 11.6 mm Conductor cross section 16 x 0.5 mm² + 3 x 1.0 mm² Shielding Unshielded Bending radius Flexible use Stationary position Stationary position Bending cycles Reference voltage \$ 1.0 V DC Rated impulse voltage \$ 1.5 kV Signal type Application Check in the signal of the signal disperation Authorizations Flexible use Stationary position Flexible use Sensor/actuator cable Application Ce Enclosure rating Operating temperature Flexible use Stationary position	Connection type head B	Flying leads
Connector color Locking nut material Seal material FKM Cable 10 m, 19-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter 11.6 mm Conductor cross section 16 x 0.5 mm² + 3 x 1.0 mm² Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 120 ∨ DC Rated impulse voltage 1.5 kV Signal type Application Authorizations CE Enclosure rating Operating temperature Flexible use Stationary position Flexible use Flexible use Stationary position CE Flexible use Stationary position CF Stationary position Flexible use Stationary position CC +80 °C -50 °C +80 °C	Locking plug connector	Screw connection
Docking nut material Zinc die-cast, nickel-plated FKM	Connector material	TPU
Seal material Cable 10 m, 19-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable dlameter 11.6 mm Conductor cross section 16 x 0.5 mm² + 3 x 1.0 mm² Shielding Bending radius Flexible use Stationary position Perference voltage \$ 1.0 v cable diameter \$ 2,000,000 Reference voltage \$ 1.5 kV Signal type Application Zones with oils and lubricants Drag chain operation Authorizations Flexible use Flexible use Stationary position Filexible use Flexible use Stationary position Filexible use Stationary position Filexible use Flexible use Stationary position Flexible use Stationary position Filexible use Filexible use Stationary position Filexible use	Connector color	Black
Cable 10 m, 19-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter 11.6 mm Conductor cross section 16 x 0.5 mm² + 3 x 1.0 mm² Shielding Unshielded Bending radius Flexible use Stationary position Bending cycles 2,000,000 Reference voltage ≤ 120 V DC Rated impulse voltage 1.5 kV Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Authorizations CE Enclosure rating IP67 Operating temperature Flexible use Stationary position -25 °C +80 °C Flexible use Stationary position -50 °C +80 °C	Locking nut material	Zinc die-cast, nickel-plated
Jacket material PUR, halogen-free Jacket color Black Cable diameter 11.6 mm Conductor cross section 16 x 0.5 mm² + 3 x 1.0 mm² Shielding Unshielded Bending radius Flexible use Stationary position Perference voltage 2,000,000 Reference voltage ≤ 120 V DC Rated impulse voltage 1.5 kV Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Authorizations CE Enclosure rating IP67 Operating temperature Flexible use Stationary position -25 °C +80 °C Stationary position -50 °C +80 °C	Seal material	FKM
Jacket color Black Cable diameter 11.6 mm Conductor cross section 16 x 0.5 mm² + 3 x 1.0 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Period of the properties of the properti	Cable	10 m, 19-wire, PUR, halogen-free
Cable diameter Conductor cross section 16 x 0.5 mm² + 3 x 1.0 mm² Shielding Unshielded Bending radius Flexible use Stationary position Plexible use Stationary position Series of the properties of the p	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 120 V DC Rated impulse voltage Signal type Application Authorizations Enclosure rating Operating temperature Flexible use Stationary position 16 x 0.5 mm² + 3 x 1.0 mm² 10 x cable diameter > 5 x cable diameter ≥ 10 x cable diameter ≥ 10 v DC 2,000,000 2 1.5 kV Signal type Sensor/actuator cable Zones with oils and lubricants Drag chain operation CE Enclosure rating Operating temperature Flexible use Stationary position Flexible use Stationary position	Jacket color	Black
Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles 2,000,000 Reference voltage ≤ 120 V DC Rated impulse voltage 1.5 kV Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Authorizations CE Enclosure rating IP67 Operating temperature Flexible use Stationary position -25 °C +80 °C Stationary position -50 °C +80 °C	Cable diameter	11.6 mm
Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 120 V DC Rated impulse voltage ≤ 1.5 kV Signal type Application Zones with oils and lubricants Drag chain operation Authorizations Enclosure rating Operating temperature Flexible use Stationary position Flexible use Stationary position Flexible use Stationary position Stationary position > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 6 x cable diameter	Conductor cross section	16 x 0.5 mm ² + 3 x 1.0 mm ²
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Stationary position Bending cycles 2,000,000 Reference voltage ≤ 120 V DC Rated impulse voltage 1.5 kV Signal type Sensor/actuator cable Application Zones with oils and lubricants Drag chain operation Authorizations Enclosure rating Operating temperature Flexible use Stationary position Stationary position > 5 x cable diameter 2,000,000 CE 1.5 kV Sensor/actuator cable Authorizations CE IP67 Operating temperature Flexible use Stationary position > 5 x cable diameter 2,000,000	Bending radius	
Bending cycles Reference voltage ≤ 120 V DC Rated impulse voltage 1.5 kV Signal type Application Zones with oils and lubricants Drag chain operation Authorizations CE Enclosure rating Operating temperature Flexible use -25 °C +80 °C Stationary position 2,000,000	Flexible use	> 10 x cable diameter
Reference voltage ≤ 120 V DC Rated impulse voltage 1.5 kV Signal type Sensor/actuator cable Zones with oils and lubricants Drag chain operation Authorizations CE Enclosure rating Operating temperature Flexible use Stationary position Stationary position Substitute of the position of the	Stationary position	> 5 x cable diameter
 ≤ 120 V DC Rated impulse voltage Signal type Application Zones with oils and lubricants Drag chain operation Authorizations CE Enclosure rating Operating temperature Flexible use Stationary position ≤ 120 V DC Stationary position Sensor/actuator cable Zones with oils and lubricants Drag chain operation CE Enclosure rating Operating temperature -25 °C +80 °C -50 °C +80 °C 	Bending cycles	2,000,000
Rated impulse voltage Signal type Sensor/actuator cable Zones with oils and lubricants Drag chain operation CE Enclosure rating Operating temperature Flexible use Stationary position 1.5 kV Sensor/actuator cable Zones with oils and lubricants Drag chain operation CE Flexible use -25 °C +80 °C -50 °C +80 °C	Reference voltage	
Signal type Application Zones with oils and lubricants Drag chain operation Authorizations CE Enclosure rating Operating temperature Flexible use Stationary position Sensor/actuator cable Zones with oils and lubricants Drag chain operation CE P67 Operating temperature Flexible use -25 °C +80 °C -50 °C +80 °C		≤ 120 V DC
Application Zones with oils and lubricants Drag chain operation CE Enclosure rating Operating temperature Flexible use Stationary position Zones with oils and lubricants Drag chain operation CE IP67 Operating temperature Flexible use -25 °C +80 °C -50 °C +80 °C	Rated impulse voltage	1.5 kV
Authorizations CE Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation CE P67 P67 P67 P67 Stationary position -25 °C +80 °C -50 °C +80 °C	Signal type	Sensor/actuator cable
Enclosure rating Operating temperature Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Application	
Operating temperature Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Authorizations	CE
Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Enclosure rating	IP67
Stationary position -50 °C +80 °C	Operating temperature	
	Flexible use	-25 °C +80 °C
Drag chain operation ≤ +60 °C	Stationary position	-50 °C +80 °C
	Drag chain operation	≤ +60 °C

Contamination rating	3
Insulation resistance	100 ΜΩ
Overvoltage category	II

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 6.0 27060304 ECLASS 6.2 27060304 ECLASS 7.0 27060304
ECLASS 6.2 27060304 ECLASS 7.0 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

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