

DOL-1205-G20MC

Other connectors and cables

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
DOL-1205-G20MC	6050247

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



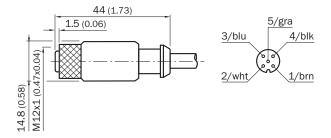
Detailed technical data

Technical specifications

Connection type head A Female connector, M12, 5 pin, straight Connection type Flying leads Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 20 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter S tationary position > 5 x cable diameter S colo V Current loading 4 A Traversing speed 3 m/s Traversing speed 3 m/s² Acceleration 3 5 m/s² Application UL Enclosure rating UP65/ IP67/ IP68 Operating temperature Flexible use Stationary position C25 *C +80 *C	rechnical specifications	
Connection type Flying leads Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 20 m, 5-wire, PUR, halogen-free Jacket color Black Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Sending cycles ≤ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature -25 °C +80 °C	Connection type head A	Female connector, M12, 5-pin, straight
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Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 20 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5 mm Conductor cross section 0.34 mm² Shelding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Sending cycles ≤ 60 V Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature -25 °C +80 °C	Connection type	Flying leads
Locking nut material Tightening torque 0.4 Nm Cable 20 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Application Authorizations UL Enclosure rating Operating temperature Flexible use Flexible use Flexible use > 10 x cable diameter > 5 x cable diameter >	Connector material	TPU
Tightening torque 0.4 Nm Cable 20 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable dlameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Flexible use Stationary position > 10 x cable diameter S x cable diameter > 5 x cable diameter S x cable diameter ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature -25 °C +80 °C	Connector color	Black
Cable 20 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter 5 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 Stationary position > 5 x cable diameter \$ 4 X \$	Locking nut material	Zinc die-cast, nickel-plated
Jacket material Jacket color Black Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage \$ 60 V Current loading Traversing speed Travelling distance Acceleration Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating Upshieded Black 5 mm Co.34 mm² Curshieded Unshielded Unshielded Unshielded S 10 x cable diameter \$ 2,000,000 A cable diameter \$ 2,000,000 A 4 A Traversing speed 3 m/s Traversing speed 3 m/s Travelling distance 4 Consumption Authorizations UL Enclosure rating Upesting temperature Flexible use -25 °C+80 °C	Tightening torque	0.4 Nm
Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Application Authorizations Flexible use Flexible use Stationary position 5 x cable diameter ≥ 2,000,000 4 A 4 A Traversing speed 10 m Acceleration Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating Operating temperature Flexible use -25 °C +80 °C	Cable	20 m, 5-wire, PUR, halogen-free
Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≤ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating UP65/ IP67/ IP68 Operating temperature -25 °C +80 °C	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 ≤ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating UP65/ IP67/ IP68 Operating temperature -25 °C +80 °C	Jacket color	Black
Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≤ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C	Cable diameter	5 mm
Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Application Authorizations Enclosure rating Operating temperature Flexible use > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter	Conductor cross section	0.34 mm ²
Flexible use Stationary position Sending cycles Reference voltage \$\leq 60 \text{ V}\$ Current loading Traversing speed \$\leq 5 \text{ m/s}^2\$ Application Authorizations UL Enclosure rating \$\leq 10 \times \text{ cable diameter}\$ \$\leq 5 \text{ cable diameter}\$ \$\leq 5 \times \text{ cable diameter}\$ \$\leq 60 \times \text{ V}\$ \$\leq 60 \times \text{ V}\$ \$\leq 60 \times \text{ V}\$ \$\leq 60 \times \text{ M}\$ \$\leq 60 \text{ M}\$ \$	Shielding	Unshielded
Stationary position > 5 x cable diameter ≤ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use −25 °C +80 °C	Bending radius	
Bending cycles ≤ 2,000,000 Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C	Flexible use	> 10 x cable diameter
Reference voltage ≤ 60 V Current loading 4 A Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 5 m/s² Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use −25 °C +80 °C	Stationary position	> 5 x cable diameter
Section Secti	Bending cycles	≤ 2,000,000
Current loading Traversing speed 3 m/s Travelling distance 10 m Acceleration Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating Operating temperature Flexible use -25 °C +80 °C	Reference voltage	
Traversing speed Travelling distance 10 m Acceleration ≤ 5 m/s² Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating Operating temperature Flexible use -25 °C +80 °C		≤ 60 V
Travelling distance 10 m Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use Flexible use -25 °C +80 °C	Current loading	4 A
Acceleration ≤ 5 m/s² Application Zones with oils and lubricants Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use −25 °C +80 °C	Traversing speed	3 m/s
Application Zones with oils and lubricants Drag chain operation UL Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C	Travelling distance	10 m
Drag chain operation Authorizations UL Enclosure rating IP65/ IP67/ IP68 Operating temperature Flexible use -25 °C +80 °C	Acceleration	≤ 5 m/s²
Enclosure rating Operating temperature Flexible use -25 °C +80 °C	Application	
Operating temperature Flexible use -25 °C +80 °C	Authorizations	UL
Flexible use -25 °C +80 °C	Enclosure rating	IP65/ IP67/ IP68
	Operating temperature	
Stationary position -40 °C +80 °C	Flexible use	-25 °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))



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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.

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