

YG2A14-010S01M2A13

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
YG2A14-010S01M2A13	2105151

Illustration may differ

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



Detailed technical data

Technical specifications

Accessory family Connection cables Connection type head A Female connector, M12, 4-pin, angled Connection type head B Male connector, M12, 4-pin, straight Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel plated Tightening torque 0.6 Nm Cable 1 m, 3-wire, PUR Jacket color Black Cable diameter 4.1 mm Conductor cross section 0.34 mm² Shelding Inshielded Bending radius Flexible use stationary position 5 x cable diameter Stationary position 5 x cable diameter Bending cycles 5 x coble diameter State multiplied distance 5 x cable diameter Travesting speed 5 x 3 m/s Travesting speed 5 x 3 m/s Travelling distance 5 m/s² Special feature prog chain use Application Cet Conses with oils and lubricants Authorizations Cet Flexible use Stationary position <t< th=""><th>reclifical specifications</th><th></th></t<>	reclifical specifications	
Connection type head A Female connector, M12, 4-pin, angled Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.6 Nm Cable 1 m, 3-wire, PUR Jacket material PUR Jacket color Black Cable diameter 4.1 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles \$ 5,000,000 Rated impulse voltage \$ 5,000,000 Rated impulse voltage \$ 5 m/s² Travesling ghead \$ 5 m/s² Special feature Drag chain use Acceleration \$ 5 m/s² Special feature 2 conse with chemicals zones with chemicals zones with oils and lubricants Authorizations CE Enclosure rating IP65 / IP66K / IP67 Ambient operating te	Accessory group	Plug connectors and cables
Connection type head B Male connector, M12, 4-pin, straight Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening forque 0.6 Nm Cable 1 m, 3-wire, PUR Jacket material PUR Jacket color Black Cable diameter 4.1 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles \$ 5,000,000 Rated impulse voltage \$ 5,000,000 Traversing speed \$ 5 m/s² Travelling distance 5 m/s² Special feature Drag chain use Application \$ 5 m/s² Special feature 2 conse with chemicals 2 cones with oils and lubricants Authorizations C UL Enclosure rating Hest ble use -25 °C +80 °C	Accessory family	Connection cables
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.6 Nm Cable 1 m, 3-wire, PUR Jacket material PUR Jacket color Black Cable diameter 4.1 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≤ 5,000,000 Rated impulse voltage ≤ 5,500,000 Rated impulse voltage ≤ 3.3 m/s Travesling speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature -25 °C +80 °C	Connection type head A	Female connector, M12, 4-pin, angled
Connector color Locking nut material Zinc die-cast, nickel-plated Tightening torque O.6 Nm Cable 1 m, 3-wire, PUR Jacket material PUR Jacket color Black Cable diameter 4.1 mm Conductor cross section O.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Shared impulse voltage Stationary position Bending cycles Acceleration Special feature Application Authorizations CE UL Enclosure rating Ambient operating temperature Flexible use Flexible use Plexible use In 3-wire, PUR	Connection type head B	Male connector, M12, 4-pin, straight
Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.6 Nm Cable 1 m, 3-wire, PUR Jacket material PUR Jacket color Black Cable diameter 4.1 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Flexible use Stationary position 5 x cable diameter Bending cycles ≤ 5,000,000 Rated impulse voltage 2.5 kV Traversing speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use ~25 °C +80 °C	Connector material	TPU
Tightening torque 0.6 Nm Cable 1 m, 3-wire, PUR Jacket material PUR Jacket color Black Cable diameter 4.1 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≤ 5,000,000 Rated impulse voltage 2.5 kV Traversing speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature -25 °C +80 °C	Connector color	Black
Cable 1 m, 3-wire, PUR Jacket material PUR Jacket color Black Cable diameter 4.1 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use > 5 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≤ 5,000,000 Rated impulse voltage 2.5 kV Traversing speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature -25 °C +80 °C	Locking nut material	Zinc die-cast, nickel-plated
Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Ending speed Traversing speed Acceleration Special feature Application Authorizations Flexible use Standard in pulse voltage Company of the pulse of	Tightening torque	0.6 Nm
Jacket color Black Cable diameter 4.1 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≤ 5,000,000 Rated impulse voltage 2.5 kV Traversing speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Cable	1 m, 3-wire, PUR
Cable diameter 4.1 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Plexible use Stationary position > 10 x cable diameter S x cable diameter > 5 x cable diameter Bending cycles ≤ 5,000,000 Rated impulse voltage 2.5 kV Traversing speed 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use Flexible use -25 °C +80 °C	Jacket material	PUR
Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Rated impulse voltage Traversing speed Coeleration Special feature Application Authorizations CE UL Enclosure rating Ambient operating temperature Flexible use 0.34 mm² Unshielded 0.34 mm² Unshielded 0.34 mm²	Jacket color	Black
Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Bending cycles ≤ 5,000,000 Rated impulse voltage 2.5 kV Traversing speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Cable diameter	4.1 mm
Flexible use Stationary position Stat	Conductor cross section	0.34 mm ²
Flexible use Stationary position Bending cycles \$ 5,000,000 Rated impulse voltage \$ 2.5 kV Traversing speed \$ 3.3 m/s Travelling distance \$ 5 m \$ 4 5 m/s² Special feature Application Drag chain use Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating Ambient operating temperature Flexible use \$ 10 x cable diameter > 5 x cable diameter > 6 x v	Shielding	Unshielded
Stationary position > 5 x cable diameter ≤ 5,000,000 Rated impulse voltage 2.5 kV Traversing speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Bending radius	
Bending cycles ≤ 5,000,000 Rated impulse voltage 2.5 kV Traversing speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use Flexible use -25 °C +80 °C	Flexible use	> 10 x cable diameter
Rated impulse voltage 2.5 kV Traversing speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Stationary position	> 5 x cable diameter
Traverling speed ≤ 3.3 m/s Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Bending cycles	≤ 5,000,000
Travelling distance 5 m Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Rated impulse voltage	2.5 kV
Acceleration ≤ 5 m/s² Special feature Drag chain use Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use −25 °C +80 °C	Traversing speed	≤ 3.3 m/s
Special feature Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating Ambient operating temperature Flexible use Plexible use Plexible use Drag chain use Zones with chemicals Zones with oils and lubricants Plexible use CE UL Plexible use Plexible use Plexible use Plexible use Plexible use	Travelling distance	5 m
Application Zones with chemicals Zones with oils and lubricants Authorizations CE UL Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Acceleration	≤ 5 m/s²
Authorizations CE UL Enclosure rating Ambient operating temperature Flexible use CE UL P65 / IP66K / IP67 -25 °C +80 °C	Special feature	Drag chain use
Enclosure rating IP65 / IP66K / IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Application	
Ambient operating temperature Flexible use -25 °C +80 °C	Authorizations	
Flexible use -25 °C +80 °C	Enclosure rating	IP65 / IP66K / IP67
	Ambient operating temperature	
Stationary position -40 °C +80 °C	Flexible use	-25 °C +80 °C
	Stationary position	-40 °C +80 °C

Head	-25 °C +85 °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

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