

YG2A14-100VB3XLEAX

Sensor/actuator cable





Ordering information

Туре	Part no.
YG2A14-100VB3XLEAX	2095898

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



Detailed technical data

Technical specifications

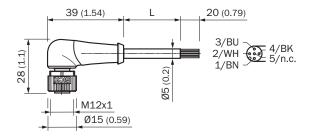
Connection type head A Female connector, M12, 4-pin, angled, A-coded Connection type head B Flying leads Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter Nominal voltage, cable 2,000 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Authorizations CE		
Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones	Connection type head A	Female connector, M12, 4-pin, angled, A-coded
Connector material Connector color Black Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Application Zincket color Slacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² 5 x cable diameter > 5 x cable diameter > 5 x cable diameter 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading Zones with chemicals Uncontaminated zones	Connection type head B	Flying leads
Connector color Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PVC Jacket material PVC Gable diameter 5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage Rated impulse voltage Current loading Application Seal material FKM 13 13 24 10 m, 4-wire, PVC FX 6ray FVC FX 6ray	Locking plug connector	Screw connection
Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable 250 V AC 250 V DC Rated impulse voltage Current loading Application Zinc die-cast, nickel-plated FKM 13 Cham FKM 13 13 10 10 10 10 10 10 10 10	Connector material	TPU
Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Unshielded Bending radius Flexible use Stationary position Nominal voltage, cable 100 V AC Test voltage, cable 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Application FKM 0.6 Nm 0.6 Nm 13 13 13 13 10 10 10 10 10 10	Connector color	Black
Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones	Locking nut material	Zinc die-cast, nickel-plated
Width across flats Cable 10 m, 4-wire, PVC Jacket material PVC Gray Cable diameter 5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable 250 V AC 250 V DC Rated impulse voltage Current loading Sensor/actuator cable Application 10 m, 4-wire, PVC Gray PVC Gray PVC Gray Avaire, PVC PVC Gray Avaire, PVC Avaire, PV Av	Seal material	FKM
Cable 10 m, 4-wire, PVC Jacket material PVC Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application 5 mm PVC Gray 10 m, 4-wire, PVC Gray 25 mm Avaire, PVC Fray Arwire, PVC Fray Avaire, PVC Fray Flexible use Sum 5 mm 5 mm 6 vo. 34 mm² 10 x cable diameter > 5 x x cable diameter > 5 x x cable diameter	Tightening torque	0.6 Nm
Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Flexible use Stationary position Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application 5 mm Gray Gray Gray Gray Gray Gray 10 x cable diameter > 5 x cable diameter > 6 x x cable diameter > 5 x x cable diameter >	Width across flats	13
Jacket color Cable diameter 5 mm Conductor cross section O.34 mm² Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading Application Zones with chemicals Uncontaminated zones	Cable	10 m, 4-wire, PVC
Cable diameter 5 mm O.34 mm² Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Simulation 5 mm O.34 mm² Simulation 5 x cable diameter Simulation 6 x cable diameter Simulation 7 x cable diameter Simulation 8 x cabl	Jacket material	PVC
Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading Signal type Application O.34 mm² Unshielded Unshielded Vacable diameter > 10 x cable diameter > 5 x cable diameter > 25 x cable diameter > 250 V AC 2,000 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading Application O.34 mm² Vacable diameter > 4 A Signal type Sensor/actuator cable Zones with chemicals Uncontaminated zones	Jacket color	Gray
Shielding Bending radius Flexible use	Cable diameter	5 mm
Stationary position	Conductor cross section	0.34 mm ²
Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter Nominal voltage, cable	Shielding	Unshielded
Stationary position > 5 x cable diameter 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones	Bending radius	
Nominal voltage, cable Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Application 300 V AC 2,000 V AC 2,000 V AC 250 V DC	Flexible use	> 10 x cable diameter
Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Application 2,000 V AC 250 V DC	Stationary position	> 5 x cable diameter
Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones	Nominal voltage, cable	300 V AC
250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones	Test voltage, cable	2,000 V AC
250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones	Reference voltage	
Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones		250 V AC
Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones		250 V DC
Signal type Sensor/actuator cable Zones with chemicals Uncontaminated zones	Rated impulse voltage	2.5 kV
Application Zones with chemicals Uncontaminated zones	Current loading	4 A
Uncontaminated zones	Signal type	Sensor/actuator cable
Authorizations CE	Application	
	Authorizations	CE

	UL
UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
Operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-30 °C +80 °C
Head	-25 °C +85 °C
Contamination rating	3
Insulation resistance	100 ΜΩ
Overvoltage category	III
Specific insulation resistance	30 mΩ
Thermal resistance, piping	Flame retardant according to UL 1581 VW1 / CSA FT1

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))



YG2A14-100VB3XLEAX | Sensor/actuator cable

Recommended accessories

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

	Brief description	Туре	Part no.			
Other mounting	Other mounting accessories					
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208			
Others						
	Connection type head A: Male connector, M12, 5-pin, straight, A-coded Description: Unshielded, Head A: male connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm² Note: For field bus technology	STE-1205-G	6022083			
	Connection type head A: Female connector, M12, 5-pin, straight, A-coded Description: Unshielded, Head A: female connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm²	DOS-1205-G	6009719			

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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.

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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