YG2A14-050VB3XLEAX

Sensor/actuator cable



YG2A14-050VB3XLEAX | Sensor/actuator cable



Ordering information

Туре	Part no.
YG2A14-050VB3XLEAX	2095897

Other models and accessories -> www.sick.com/Sensor_actuator_cable



Detailed technical data

Technical specifications

Connection type head AFinale connector, M12, 4 pin, angled, AccodedConnection type head BFinale accodedLocking ping connectorRew connectionConnector materialRoConnector accodedRoConnector accodedRoSal materialRoCataler accodedSin AccodedVieth accode finaleSin AccodedCataler accoded finaleRoCataler accoded finaleSin Accoded finaleCataler accoded finaleRoCataler accode finaleSin Accoded finaleCataler accode finaleSin Accoded finaleCataler accode finaleSin Accoded finaleCataler accode finaleSin Accoded finaleSatonary poseSin Accoded finaleCataler accode finaleSin Accoded finaleCataler accode fina		
Locking juic connectorScrew connectionLocking juic connectorTPUConnector colorBlackLocking nut materialCin clie-cast, nickel-platedLocking nut materialFKMTightening torque0.6 NmVidth across flats13CableSm, 4.wire, PVCJacket materialPVCJacket colorGrayCable diameterSmConductor cross section0.34 mm²SheldingJos cable diameterStationary postion>10 x cable diameter <th>Connection type head A</th> <th>Female connector, M12, 4-pin, angled, A-coded</th>	Connection type head A	Female connector, M12, 4-pin, angled, A-coded
Conector anterialFUConector colorBickLocking nut materialColecast, nickel-platedSal materialKMTigtening congBickVidth across flatsBickCableSinderalLocking nut materialNoLocking congSinderalCable diameterSinderalCable diameterSinderalCable diameterSinderalStationary congSinderalStationary congSinderalS	Connection type head B	Flying leads
Conector colorBickLocking nut materialColecast, nickel-platedSeal materialKMTigttening torque0.8 NmVidtta across flats3CableSm Aure, PCLaket colorSm Aure, PCCable diameterSm Aure, PCCable diameterSm Aure, PCCable diameterSm Aure, PCCable diameterSm Aure, PCStationary oneSm Aure, PCStationary one<	Locking plug connector	Screw connection
Locking nut meterialDia dia-casa nickel-platedSeal materialKMTightening torque6.0 hnVidta cores flats0.3 maCableSm. 4wire, PVCLaket color0.4 GaCable color0.3 maCable color0.3 Am ² Cable dometer0.3 Am ² Shelding0.3 Am ² S	Connector material	TPU
Sel materialFKMTightening torque0.6 NmWith across flats3CableSm.4wire, PCCJacket materialVCJacket colorGrayCable diameterSm.1Conductor coss section0.34 mm2SheldingUscale diameterStationary post1.04 cole diameterStationary post9.04 cole diameterStationary post3.04 vm2Stationary post9.04 cole diameterStationary post3.04 vm2Stationary post3.04	Connector color	Black
Tightening torque0.6 NmWith across filtas0.6 NmWith across filtas0.3Cable5.4 Avire, PVCJacket color0.7 CJacket color0.7 CColuctor cross section0.3 A nm ² Shelding0.4 SmBending radius-Fiesdow5.1 C acla diameterStationary position0.9 CStationary position0.9 CReserve tortage-Stationary position0.9 CReserve tortage-Stationary position-Stationary position-	Locking nut material	Zinc die-cast, nickel-plated
With across flats3With across flats5Cable5Jacket colorCJacket color6Coductor cross section0.34 nm ³ Conductor cross section0.34 nm ³ SheldingvsheldedBending radius> 10x cable diameterStationary position30x QACConductor cost section0.09 VACConductor cost section200 VACReference voltage25x QACConductor cost section2.5x QACSignal type4.4Actor cost section2.5x QACSignal typeCost Cost SectionApplicationSincortaminated zones	Seal material	FKM
CaleSn.4win, PVCJacket anderialVCJacket colorGayCable diameterSmCaductor cross section0.34 ma ² SheidingUshieldedSheiding radiusStacibe diameterStationary position30 vACStationary positionSinov ACReference voltageSinov ACReference voltageSinov ACReference voltageSinov ACCanden diameterSinov ACSinov ACSinov ACReference voltageSinov ACReference voltageSinov ACReference voltageSinov ACCanden diameterSinov ACSinov ACSinov ACReference voltageSinov ACReference voltageSinov ACReference voltageSinov ACReference voltageSinov ACSinov ACSinov ACReference voltageSinov ACReference voltageSinov ACSinov A	Tightening torque	0.6 Nm
Jacket materialPVCJacket colorGragCable diameter5 mmConductor cross section0.34 mm²Conductor cross section0.34 mm²SheldingUnsheldedShelding radius> 10 x cable diameterTextibere> 10 x cable diameterStationary position> 5 x cable diameterStationary position> 00 VACReference voltage> 00 VACReference voltage> 50 x Cable diameterStationary position> 50 x Cable	Width across flats	13
Jacket colorGrayJacket colorGrayCable diameter5 mmConductor cross section0.34 mm²SheldingUnsheldedShelding radius> 10 x color diameterFlexible us Stationary position> 5 x color diameterNominal voltage, cable300 VACTest voltage, cable- 000 VACReference voltage- 000 VACRated Impulse voltage- 000 VACCurrent loading- 0.5 kVAC 200 VACSignal type- 0.5 kVAC 200 VACApplication- 0.5 kVAC 200 VACSignal type- 0.5 kVAC 200 VACSignal type- 0.5 kVAC 200 VACApplication- 0.5 kVAC 200 VAC	Cable	5 m, 4-wire, PVC
Cable diameter 5 mm Conductor cross section 0.34 mm² Shelding Unshelded Shelding radius - Flexible mass > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 000 VAC Test voltage, cable - Reference voltage - Stationary position - <	Jacket material	PVC
Conductor cross section0.34 mm²SheldingUnsidedBending radius> 10 x cable diameterFlexibule> 10 x cable diameterStationary topic> 5 x cable diameterNominal voltage, cable300 V ACTest voltage, cable200 V ACReference voltage200 V ACConductor cable200 V ACStationary200 V ACConductor cable200 V ACReference voltage200 V ACConductor cable200 V ACStationary200 V ACConductor cable200 V ACStationary200 V ACConductor cable200 V ACStationary200	Jacket color	Gray
ShieldingIndecideBending radius> 10 x cable diameterFlexible us> 5 x cable diameterStationary position> 50 x 0A CTest voltage, cable> 000 VACTest voltage, cable> 000 VACTest voltage, cable> 000 VACStationary> 000 VACTest voltage, cable> 000 VACTes	Cable diameter	5 mm
Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 00 V AC Test voltage, cable > 00 V AC Reference voltage > 00 V AC Stationary position > 00 V AC Reference voltage > 00 V AC Reference voltage > 00 V AC Stationary position > 00 V AC Reference voltage > 00 V AC Stationary position > 00 V AC Reference voltage > 00 V AC Stationary position > 00 V AC Reference voltage > 00 V AC Stationary position > 00 V AC Stationary position <td< th=""><th>Conductor cross section</th><th>0.34 mm²</th></td<>	Conductor cross section	0.34 mm ²
Flexible us > 10 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 VAC Test voltage, cable > 000 VAC Reference voltage > 000 VAC Zono VAC > 000 VAC Reference voltage > 000 VAC Zono VAC > 000 VAC Rated impulse voltage > 000 VAC Question > 000 VAC Station VAC > 000 VAC Rated impulse voltage > 000 VAC Question VAC > 000 VAC Station VAC > 000 VAC Station VAC > 000 VAC Rated impulse voltage > 000 VAC Guestion VAC > 000 VAC Signal type > 000 VAC Application > 000 VAC	Shielding	Unshielded
Stationary position> 5 x cable diameterNominal voltage, cable> 5 x cable diameterTest voltage, cable> 00 V ACReference voltage> 200 V ACSolo V AC> 250 V ACSolo V AC> 250 V ACSolo V AC> 250 V ACCurrent loading> 5 x ACSignal typeA AApplicationSonscritation cableApplicationSonscritation cable	Bending radius	
Nominal voltage, cable300 V ACTest voltage, cable2000 V ACReference voltage250 V AC250 V AC250 V DCRated impulse voltage2.5 kVSignal type4AApplicationSensor/actuator cableApplicationComminated zones	Flexible use	> 10 x cable diameter
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	Stationary position	> 5 x cable diameter
Reference voltage250 VAC 250 VDCRated impulse voltage2.5 kVCurrent loading4.ASignal typeSensor/actuator cableApplicationConse with chemicals Discontaminated zones	Nominal voltage, cable	300 V AC
250 V AC250 V DCRated impulse voltage2.5 kVCurrent loading4 ASignal typeSensor/actuator cableApplicationCons with chemicals oncomminated zones	Test voltage, cable	2,000 V AC
Action250 V DCRated impulse voltage2.5 kVCurrent loading4 ASignal typeSensor/actuator cableApplicationZones 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 Application 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

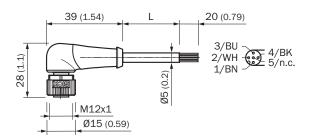
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	UL
UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
Operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-30 °C +80 °C
Head	-25 °C +85 °C
Contamination rating	3
Insulation resistance	100 ΜΩ
Overvoltage category	III
Specific 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))



Recommended accessories

Other models and accessories -> www.sick.com/Sensor_actuator_cable

	Brief description	Туре	Part no.
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
	 Description: M12 mounting key set for SW13 with calibrated torque 0.6 Nm Packing unit: 1 piece Suitable for: M12 Standard 	TOOL-TW06M12AF13	5337208

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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."

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