# YG2A14-020VB3XLEAX

Sensor/actuator cable



### YG2A14-020VB3XLEAX | Sensor/actuator cable



Ordering information

Туре	Part no.
YG2A14-020VB3XLEAX	2095895

Other models and accessories -> www.sick.com/Sensor\_actuator\_cable



#### Detailed technical data

#### **Technical specifications**

Connection type head AFinal econnector, M12, 4-pin, angled, A-codedConnection type head BFinal econnectionLocking plug connectorGrew connectionConnector materialFinal econnectionConnector and IBic direct strick-lpitatedSeat materialGo Man ConnectionSati data final econnectionBic direct strick-lpitatedTigtening torqueBic direct strick-lpitatedVieth across fintsBic direct strick-lpitatedCableSin direct strick-lpitatedSati data finalBic direct strick-lpitatedCableSin direct strick-lpitatedCableSin direct strick-lpitatedSati data finalBic direct strick-lpitatedShe direct strick-lpitatedSin direct strick-lpitatedSati data final econnect strick-lpitatedSin direct strick-lpitated		
Acting PiceScrew connectionLocking juc onnectorFVConnector colorBackLocking nut materialCin die-cast, nickel-platedLocking nut materialFKMTightening torque0.6 NmVidth across flats13Cableom, 4wire, PVCJacket materialFWCableom, 4wire, PVCJacket colorGrayCable diameter5 mmCable diameter5 mmSheldingJohnsheldSheldingJohnsheldStationary positio> 10 xcable diameterStationary positio> 10 xcable diameterSta	Connection type head A	Female connector, M12, 4-pin, angled, A-coded
Conector materialFUConector colorBickColored, nickel-platedColored, nickel-platedSea materialKMTytenang ColoredBickVidthacross flatsBickCableSinCableSinCableSinCableSinCable ColoredSinCable ColoredSinC	Connection type head B	Flying leads
Conector colorBickLocking nut materialColecast, nickel-platedSeal materialKMTightening torque0.6 NmVidth across flats3Cablemaximum cole scaleJacket naterialNoJacket colorSmCable diameterSmCable diameter0.3 Ams <sup>2</sup> Scholding mathematerialNoStationary point10 Acable diameterStationary pointSm Calcel diameterStationary pointSm Calc	Locking plug connector	Screw connection
Locking nut materialZindia-cast, nickel-platedSeal materialFKMTightong torque6.6 NinVidta corsos flats0.8 NinCable0.9 Ninter-StatesJacket naterial0.9 Ninter-StatesJacket color0.9 Ninter-StatesCable diameter0.9 Ninter-StatesCable diameter0.9 Ninter-StatesStates regioner0.9 Ninter-States <td< th=""><th>Connector material</th><th>TPU</th></td<>	Connector material	TPU
Seal materialFMTightening torque0.6 NmWith across flats3Cable2m, 4wire, PCCJacket material0.7Jacket color6mCable0.34 Nm?Cable diameter0.34 Nm?Shelding0.34 scale diameterShelding0.34 scale diameterStationary position0.30 vAcRemerevoltage30.00 vAcReference voltage3.00 vAcReference voltage3.00 vAcReference voltage2.50 vAcStationary position3.50 vAcReference voltage2.50 vAcStationary position3.50 vAcReference voltage2.50 vAcStationary position3.50 vAcStationary po	Connector color	Black
Tightening torque0.6 NmWith across filts13Cable2 m, 4wire, PVCLacket colorPCJacket colorGrayColductor cross section3 mmConductor cross section0.34 mm²SheldingUnsheldedBending radius	Locking nut material	Zinc die-cast, nickel-plated
With across flats3Cable2m, 4wire, PVCJacket colorCallJacket colorGrayCable diameter5 mmConductor cross section0.34 mm²Conductor cross section0.34 mm²SheldingbibleddShelding radius> 10x cable diameterStationary position30x VACConductor cost section0.00 VACConductor cost section2000 VACReference voltage25x VAC 250 VAC 250 VACReference voltage5.5 kollRated impulse voltage4.4Signal type4.0ApplicationSonsvitt chemicals biontaminated zones	Seal material	FKM
Cable2n.4wire, PVCJacket onlorVCJacket colorGayCable diameterSmConductor cross section0.34 mm²SheldingUshieldedShelding radius> 10x cole diameterStationary position30x ACAStationary position30x ACAConductor cost section0.00 VACReference voltage20x VACReference voltage25x VACCatel dinplate voltage25x VACCatel dinplate voltage25x VACReference voltage25x VACReference voltage25x VACCatel dinplate voltage4ASignal typeAsionary coleApplicationGioswitch colesesSignal typeSinswitch colesesApplicationConsession colesesApplicationConsession colesesApplicationConsession colesesApplicationConsession colesesApplicationConsession colesesApplicationConsession colesesApplicationConsession colesesApplicationConsession colesesApplicationConsession colesesApplicationColesession colesesApplicationConsession colesesApplicationColesession colesesApplicationColesession colesesApplicationColesession colesesApplicationColesession colesesApplicationColesession colesesApplicationColesession colesesApplicationColesession coleses </th <th>Tightening torque</th> <th>0.6 Nm</th>	Tightening torque	0.6 Nm
Jacket materialPVCJacket colorGradJacket colorGradCable diameterSimaConductor cross sectionJad ma <sup>2</sup> SheldingUnsheldedShelding radiusI Stacked diameterStationary positionSi Cable diameter <th>Width across flats</th> <th>13</th>	Width across flats	13
Jacket colorGrayJacket colorGrayCable diameter5 mmConductor cross section0.34 mm²ShieldingUnshieldedShielding radius> 10 x cole diameterFlexible us> 5 x cole diameterStationary nosi> 5 x cole diameterNominal voltage, cable300 VACTest voltage, cable> 000 VACReference voltage250 VACStationary> 5 x cole diameterStationary> 000 VACReference voltage> 000 VACRated impulse voltage250 VACSignal Type> 5 x cole cableSignal typeSensor/catuel cableApplicationSines with chemicals invinitied zones	Cable	2 m, 4-wire, PVC
Cable diameter       5 mm         Conductor cross section       0.34 mm²         Shielding       Unshielded         Sheiding radius       > 10 x cable diameter         Flexible value       > 5 x cable diameter         Stationary position       300 V AC         Test voltage, cable       300 V AC         Reference voltage       200 V AC         Zoto V AC       200 V AC         Reference voltage       200 V AC         Zoto V AC       200 V AC         Reference voltage       200 V AC         Zoto V AC       200 V AC         Reference voltage       4         Signal type       4A         Signal type       Sensor/actuator cable         Application       Senswith chemicals brootnaminated zones	Jacket material	PVC
Conductor cross section0.34 mm²ShieldingUnshieldedBending radius> 10 x cable diameterFlexible us Stationary position> 10 x cable diameterStationary position> 300 V ACTest voltage, cable300 V ACReference voltage	Jacket color	Gray
ShieldingUnshieldedBending radius> 10 x cable diameterFlexible us> 5 x cable diameterStationary position> 50 x 0ATest voltage, cable> 000 VACTest voltage, cable> 000 VACTest voltage, cable> 000 VACStationary position> 000 VACTest voltage, cable> 000 VAC <t< th=""><th>Cable diameter</th><th>5 mm</th></t<>	Cable diameter	5 mm
Bending radius       > 10 x cable diameter         Stationary position       > 5 x cable diameter         Stationary position       > 00 V AC         Test voltage, cable       > 000 V AC         Reference voltage       > 000 V AC         Stationary position       > 000 V AC         Reference voltage       > 000 V AC         Reference voltage       > 000 V AC         Stationary position       > 000 V AC         Reference voltage       > 000 V AC         Stationary position       > 000 V AC         Stationa	Conductor cross section	0.34 mm <sup>2</sup>
Flexible us       > 10 x cable diameter         Stationary position       > 5 x cable diameter         Nominal voltage, cable       300 V AC         Test voltage, cable       > 000 V AC         Reference voltage       > 000 V AC         Stationary position       > 500 V AC         Reference voltage       > 500 V AC         Stationary position       > 500 V AC         Stati	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 AApplicationSonsor/actuator cableApplicationSonsor/actuator cable	Bending radius	
Nominal voltage, cable300 V ACTest voltage, cable2,000 V ACReference voltage250 V AC250 V AC250 V DCRated impulse voltage2.5 kVGurrent loading4 ASignal typeSensor/actuator cableApplicationConse with chemicals unotaminated 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 uncontaminated zones	Stationary position	> 5 x cable diameter
Reference voltage250 VAC 250 VDCRated impulse voltage2.5 kVCurrent loading4 ASignal typeSensor/actuator cableApplicationZones with chemicals uncontaminated zones	Nominal voltage, cable	300 V AC
250 V AC 250 V DCRated impulse voltage2.5 kVCurrent loading4.ASignal typeSensor/actuator cableApplicationZones with chemicals unontaminated 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       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

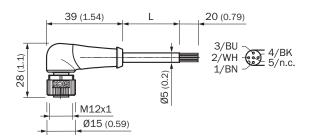
### YG2A14-020VB3XLEAX | Sensor/actuator cable

	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			
	<ul> <li>Connection type head A: Male connector, M8, 4-pin, straight, A-coded</li> <li>Description: Unshielded</li> <li>Connection systems: Screw-type terminals</li> <li>Permitted cross-section: 0.14 mm<sup>2</sup> 0.5 mm<sup>2</sup></li> </ul>	STE-0804-G	6037323
	<ul> <li>Connection type head A: Female connector, M8, 4-pin, straight, A-coded</li> <li>Description: Unshielded</li> <li>Connection systems: Screw-type terminals</li> <li>Permitted cross-section: 0.14 mm<sup>2</sup> 0.5 mm<sup>2</sup></li> </ul>	DOS-0804-G	6009974
	<ul> <li>Product family: Assembly accessories</li> <li>Description: M8 mounting key set for SW9 with calibrated torque 0.4 Nm</li> <li>Packing unit: 1 piece</li> <li>Suitable for: M8 Standard</li> </ul>	TOOL-TW04M08AF09	5337207

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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."

### WORLDWIDE PRESENCE:

Contacts and other locations -www.sick.com



Online data sheet

