

YG2A15-020UB5XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES



YG2A15-020UB5XLEAX | Sensor/actuator cable

PLUG CONNECTORS AND CABLES



Ordering information

Туре	Part no.
YG2A15-020UB5XLEAX	2095772

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



Detailed technical data

Technical specifications

Accessory groupPig connector calculateAccessory familyConcetion calculateConnection type head IFinal connector calculateConnector type head IFinal connector calculateConcetor calculateFinal connector calculateConcetor calculateFinal connector calculateConcetor calculateFinal calculateFinal calculateFinal calculateConcetor calculateFinal calculate <td< th=""><th></th><th></th></td<>		
Connection type head AFemale connector, M12, 5-pin, angled, A-codedConnection type head BFiying leadsLocking plug connectorScrew connectionConnector materialFUConnector colorBlackLocking nut materialCindic-cast, nickel-platedSeal materialKMTightening torque0.6 NmCable2m, 5-wire, PUR, halogen-freeJacket colorBlackLocking nut materialNMSalaket colorBlackCable2m, 5-wire, PUR, halogen-freeJacket colorBlackCable diameter8.akConductor coss section0.34 mm²SheldingSin Scable diameterFierkilewa\$10x cable diameterStationary position5.5x cable diameterStationary position100x 0000FienkilewaSin Scable diameterStationary position30x 0AC	Accessory group	Plug connectors and cables
Connection type head BFiling leadsLocking plug connectorScew connectionConnector materialTUConnector colorBlackLocking nut materialCondector scienceSeal materialFKMTightening torque0.6 NmVidth across flats3Coloect rotorBlackJacket nuterial0.9 NmJacket nuterial0.9 Nm <trr>Jacket nuterial0.</trr>	Accessory family	Connecting cables
Locking plug connectorSirew connectionConnector materialFUConnector colorBackLocking nut materialBickSeal materialFMTigthening torque0.8 NinVidth across flats13Cablem. Sine NPUR halogen-freeJacket materialNinJacket color0.8 NinLocking nut materialNinJacket color0.8 NinJacket color0.8 NinCable0.8 NinStationary color0.8 NinStationary color0.8 NinStationary color0.8 NinStationary color0.9 NinStationary color0.9 NinStationary color0.1 Nincale AlemeterStationary color0.1 Ni	Connection type head A	Female connector, M12, 5-pin, angled, A-coded
Connector materialFUConnector colorBickLocking nut materialColocast, nickel-platedSeal materialFKTightening torque0.8 NinVidth across flats0.8 NinCable0.9 Nin/ReinfereJacket material0.8 NinJacket noterial0.8 NinStationary Nin0.9 NinJacket noterial0.9 NinJacket no	Connection type head B	Flying leads
Connector colorBickConnector colorBickLocking nut materialCircle-cast, nickel-platedSeal materialFKMTightening torque0.6 NmVidth across flats0.6 NmVidth across flats0.8 NmJacket materialNm, Sangen-freeJacket notor0.8 NmConductor coss section0.8 AmShelding radius0.4 Mm ² Shelding radius0.9 NmFixeling torque0.9 NmShelding radius0.9 NmFixeling torque0.9 NmStationary point0.9 NmShelding radius0.9 NmFixeling torque0.9 NmStationary point0.9 NmShelding radius0.9 NmStationary point0.9 NmStationary point0.9 NmShelding radius0.9 NmStationary point0.9 NmStationary point0.9 NmShelding radius0.9 NmStationary point0.9 NmShelding radius0.9 NmStationary point0.9 NmSt	Locking plug connector	Screw connection
Ioking nut materialDisclease index particularSeal materialKMTightening torque0.6 NmWith across flats0.6 NmWith across flats0.6 NmCable0.7 Schier Schlein	Connector material	TPU
Seal materialFKMTightening torque0.6 NmWith across flats13Cable0.5 Nm (PuR Alagen freeJaket naterial0.8 Nm (PuR Alagen freeJaket color0.8 Nm (PuR Alagen freeCable diameter0.8 Nm (PuR Alagen freeConductor coss section0.3 Anm?Shelding mather0.3 Nm (PuR Alagen freeFlexible0.5 Nm (PuR Alagen freeStationary mather0.5 Nm (PuR Alagen free<	Connector color	Black
Tightening torque0.6 NmWith across flats0.6 NmWith across flats13Cable0.m Svinc PUR, halogen-freeJaket naterial0.8 NmJaket color0.8 NmCable diameter0.8 NmConductor coss section0.34 nm²Shelding0.9 NmShelding radius0.9 NmFlexible0.9 NmStationaryonia0.9 NmStationaryonia0.9 NmShelding coles0.9 NmBending radius0.9 NmStationaryonia0.9 Nm	Locking nut material	Zinc die-cast, nickel-plated
Width across flats13Width across flats13Cable2 m, 5-wire, PUR, halogen-freeJacket materialUR, halogen-freeJacket colorBlackCable diameter3.8 mConductor cross section0.34 m²SheldingUnitededFlexible wa>10 x cable diameterFlexible wa10 x cable diameterFle	Seal material	FKM
Cable2m, Swie, PUR, halogen-freeJacket naterialPUR, halogen-freeJacket colorBackCable diameter8. MConductor cross section0.34 nm²SheldingUnsheldedBending radius-Flexible ta9.10 x cable diameterStationary position9.10 x cable diameterDag chain operation1.0 x cable diameterBending radius-Flexible ta9.10 x cable diameterStationary position1.0 x cable diameterBending radius-Stationary position0.000.000Bending radius-Stationary position0.000.000Stationary position0.000.000Bending radius-Stationary position0.000.000Bending radius-Stationary position-Stationary position-<	Tightening torque	0.6 Nm
Jacket materialPUR, halogen freeJacket colorBiackCable diameter4.8 mmConductor cross section0.34 mm²ShieldingUnshieldedShielding radius-Flexible us>10 x cable diameterStationary position>10 x cable diameterDrag chain operation>10 x cable diameterBending cycles10, 00,000Bending cycles0,000,000Stationary base0,000,000Stationary b	Width across flats	13
Jacket colorBiackGable diameter4.8 mmConductor cross section0.34 mm²ShieldingUnshieldedShielding1.0 kalededFlexible us> 1.0 xcable diameterStationary opio> 5.x cable diameterDrag chain opeometer> 1.0 xcable diameterBending cycles.000,000Koninal voltage, cable.000,000	Cable	2 m, 5-wire, PUR, halogen-free
Cable diameter4.8 mmConductor cross section0.34 mm²ShieldingUnshieldedBending radius10 x cable diameterFlexible us Drag chain operation5 x cable diameterBending cycles10,000,000Bending cycles00 VAC	Jacket material	PUR, halogen-free
Conductor cross section	Jacket color	Black
Shielding Inshielded Bending radius - Flexible us > 10 x cable diameter Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Bending cycles > 10 x cable diameter Bending cycles > 10 x cable diameter Bonding cycles > 00 x cable diameter Bonding cycles > 00 x cable diameter	Cable diameter	4.8 mm
Bending radius - 10 x cable diameter Flexible us > 10 x cable diameter Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Bending cycles > 10,00,000 Nominal voltage, cable > 30 v AC	Conductor cross section	0.34 mm ²
Flexible use> 10 x cable diameterStationary position> 5 x cable diameterDrag chain operation> 10 x cable diameterBending cycles10,000,000Nominal voltage, cable300 V AC	Shielding	Unshielded
Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Bending cycles 10,000,000 Nominal voltage, cable 300 VAC	Bending radius	
Drag chain operation > 10 x cable diameter Bending cycles 10,000,000 Nominal voltage, cable 300 V AC	Flexible use	> 10 x cable diameter
Bending cycles 10,000,000 Nominal voltage, cable 300 V AC	Stationary position	> 5 x cable diameter
Nominal voltage, cable 300 V AC	Drag chain operation	> 10 x cable diameter
	Bending cycles	10,000,000
Test voltage, cable 2,500 V AC	Nominal voltage, cable	300 V AC
	Test voltage, cable	2,500 V AC
Reference voltage	Reference voltage	
125 V AC		125 V AC
125 V DC		125 V DC
Rated impulse voltage 1.5 kV	Rated impulse voltage	1.5 kV

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Current loading	≤ 4 A
Traversing speed	3 m/s
Travelling distance	10 m
Acceleration	≤ 10 m/s²
Signal type	Sensor/actuator cable
Torsion force	180°/1m
Torsion cycles	2,000,000
Cycles per minutes	35
Application	Zones with oils and lubricants Drag chain operation Robot
Authorizations	CE UL
UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
Ambient operating temperature	
Flexible use	-25 °C +80 °C
Stationary position	-40 °C +80 °C
Drag chain operation	-25 °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, horizontal flame test/CSA FT2 / IEC 60332-1, IEC 60332-2-2

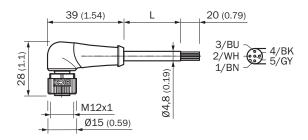
Classifications

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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Dimensional drawing (Dimensions in mm (inch))



Recommended accessories

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

	Brief description	Туре	Part no.		
Other mountin	ng accessories				
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208		
Plug connectors and cables					
	 Connection type head A: Female connector, M12, 5-pin, straight 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		
	 Connection type head A: Male connector, M12, 5-pin, straight 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		

SICK AT A GLANCE

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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