

YG2A14-010UB3N2A14





Ordering information

Туре	Part no.
YG2A14-010UB3N2A14	2107519

Other models and accessories → www.sick.com/



Detailed technical data

Technical specifications

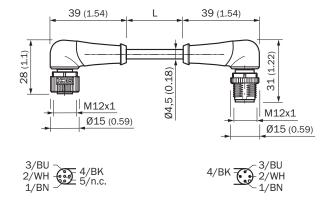
Accessory family Connection cables Connection type head B Female connector, M12, 4-pin, angled, A-coded Connection type head B Male connector, M12, 4-pin, angled, A-coded Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material FKM Seal material FKM Tightening forque 0.6 Nm Width across flats 13 Cable 1 m, 4 wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position praction > 5 x cable diameter Stationary position praction 25 x cable diameter Stationary position praction <th>real apacinations</th> <th></th>	real apacinations	
Connection type head A Connection type head B Connector M12, 4-pin, angled, A-coded Connector material Connector material Connector color Connector material Connecto	Accessory group	Plug connectors and cables
Connection type head B Male connector, M12, 4-pin, angled, A-coded 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 1 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Fiexible use Stationary position Porag chain operation Drag chain operation > 10 x cable diameter Bending cycles 10,000,000 Nominal voltage, cable 300 v AC Test voltage, cable 2,500 v AC Reference voltage 250 v AC 250 v DC Rated impulse voltage 0.8 kV Current loading 4 A	Accessory family	Connection cables
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 1 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Bending cycles 10,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 250 V AC Rated impulse voltage 0.8 kV Current loading 4 A	Connection type head A	Female connector, M12, 4-pin, angled, A-coded
Connector material Connector color Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 1 m, 4-wire, PUR, halogen-free Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage Current loading TPU Black Zinc die-cast, nickel-plated FKM O.6 Nm 13 13 24 1 m, 4-wire, PUR, halogen-free Black 1 m, 4-w	Connection type head B	Male connector, M12, 4-pin, angled, A-coded
Connector color Locking nut material Seal material FKM Tightening torque Width across flats 13 Cable 1 m, 4-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage Rated impulse voltage Current loading FIRM Zinc die-cast, nickel-plated Zinc die cast, nickel-pla	Locking plug connector	Screw connection
Locking nut material Seal material FKM Tightening torque Width across flats 13 Cable 1 m, 4-wire, PUR, halogen-free Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Drag chain operation Source Stationary color Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated Impulse voltage Current loading PKM FKM FKM An O.6 Nm An A.4-wire, PUR, halogen-free Jun, 4-wire, PUR, halogen-fr	Connector material	TPU
Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 1 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Black PUR, halogen-free Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position Drag chain operation > 5 x cable diameter Drag chain operation > 10 x cable diameter Bending cycles 10,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 250 V AC 250 V DC 250 V DC Rated impulse voltage 0.8 kV Current loading 4 A	Connector color	Black
Tightening torque 0.6 Nm Width across flats 13 Cable 1 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation > 10 x cable diameter Drag chain operation > 10 x cable diameter Bending cycles 10,000,000 Nomlnal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 0.8 kV Current loading 4 A	Locking nut material	Zinc die-cast, nickel-plated
Width across flats 13 Cable 1 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Parage chain operation > 10 x cable diameter Vacable diameter > 10 x cable diameter Vacable diameter 20 x cable diameter Vacable diameter 250 v AC Test voltage, cable 2,500 v AC Reference voltage 250 v AC 250 v DC 250 v DC Rated impulse voltage 0.8 kV Current loading 4 A	Seal material	FKM
Cable Jacket material PUR, halogen-free PUR, halogen-free PUR, halogen-free Black Cable diameter Cable diameter Conductor cross section Shielding Unshielded Flexible use Stationary position Drag chain operation Drag chain operation Position 2,500 V AC Reference voltage Rated impulse voltage Current loading PUR, halogen-free PUR, h	Tightening torque	0.6 Nm
Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Showlade, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading PUR, halogen-free Black 4.5 mm 0.34 mm² Unshielded Unshielded 10.34 mm² 10.34 cable diameter > 10.35 cable diamete	Width across flats	13
Jacket color Cable diameter 4.5 mm Conductor cross section Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles 10,000,000 Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading 4 A	Cable	1 m, 4-wire, PUR, halogen-free
Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Pest voltage, cable Reference voltage Current loading A .5 mm 0.34 mm² Unshielded > 10 x cable diameter > 5 x cable diameter > 10 x cable diam	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Nominal voltage, cable Test voltage, cable Reference voltage Rated impulse voltage Current loading O.34 mm² Unshielded Unshielded Unshielded Unshielded Unshielded Vacable diameter > 5 x cable diameter > 10 x cable diameter > 20 x cable diameter	Jacket color	Black
Shielding Bending radius Flexible use Stationary position Drag chain operation Nominal voltage, cable Test voltage Reference voltage 250 V AC 250 V DC Rated impulse voltage 0.8 kV Current loading Unshielded 10 x cable diameter > 10 x cable diameter	Cable diameter	4.5 mm
Flexible use Stationary position Drag chain operation Bending cycles Nominal voltage, cable Test voltage Reference voltage 250 V AC 250 V DC Rated impulse voltage 0.8 kV Current loading Page Acable diameter > 10 x cable diameter > 10,000,000 300 V AC 2,500 V AC 250 V DC Rated impulse voltage 0.8 kV	Conductor cross section	0.34 mm ²
Flexible use Stationary position Drag chain operation Bending cycles 10,000,000 Nominal voltage, cable Test voltage, cable 2,500 V AC 250 V DC Rated impulse voltage 0.8 kV Current loading > 10 x cable diameter > 5 x cable diameter > 10,000,000 300 V AC 2,500 V AC 2,500 V AC 250 V DC 0.8 kV	Shielding	Unshielded
Stationary position Drag chain operation Bending cycles 10,000,000 Nominal voltage, cable Test voltage, cable 2,500 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 0.8 kV Current loading > 5 x cable diameter > 10,000,000 300 V AC 2,500 V AC 250 V DC	Bending radius	
Drag chain operation > 10 x cable diameter 10,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 250 V AC Rated impulse voltage 0.8 kV Current loading 4 A	Flexible use	> 10 x cable diameter
Description	Stationary position	> 5 x cable diameter
Nominal voltage, cable Test voltage, cable 2,500 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 0.8 kV Current loading 4 A	Drag chain operation	> 10 x cable diameter
Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage 0.8 kV Current loading 4 A	Bending cycles	10,000,000
Reference voltage 250 V AC 250 V DC Rated impulse voltage 0.8 kV Current loading 4 A	Nominal voltage, cable	300 V AC
250 V AC 250 V DC Rated impulse voltage 0.8 kV Current loading 4 A	Test voltage, cable	2,500 V AC
250 V DC Rated impulse voltage 0.8 kV Current loading 4 A	Reference voltage	
Rated impulse voltage 0.8 kV Current loading 4 A		
Current loading 4 A		
Traversing speed 3 m/s		
	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	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

eCl@ss 5.0	19030312
eCl@ss 5.1.4	19030312
eCl@ss 6.0	27060304
eCl@ss 6.2	27060304
eCl@ss 7.0	27060304
eCl@ss 8.0	27060304
eCl@ss 8.1	27060304
eCl@ss 9.0	27060304
eCl@ss 10.0	27060304
eCl@ss 11.0	27060304
eCl@ss 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))



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