

YF2A14-100UJ2XLEAX

Other connectors and cables





Ordering information

Туре	Part no.
YF2A14-100UJ2XLEAX	2116486

Other models and accessories

www.sick.com/Other_connectors_and_cables



Detailed technical data

Technical specifications

Connection type head B Female connector, M12, 4-pin, straight, A-coded Connector material Flying leads Connector material TPU Connector color Black Connectin ut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Gray Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shelding Hexible use > 10 x cable diameter Shelding radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Porag chain operation > 10 x cable diameter Status voltage, cable 3.00 x 000 Nominal voltage, cable 3.00 x 00 Reference voltage 250 v AC 250 v DC 250 v DC Rated impulse voltage 2.5 kV Current loading 4 A Traversing speed		
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, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Gray Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use > 5 x cable diameter Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Bending cycles 1,0,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2,5 kV Current loading 4 A	Connection type head A	Female connector, M12, 4-pin, straight, 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, 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 Size Slack S	Connection type head B	Flying leads
Connector color Locking nut material Seal material FKM Tightening torque Width across flats 13 Cable Jacket material PUR, halogen-free Jacket color Gray Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending voltage, cable Test voltage, cable Reference voltage Cate diameter Locking mutmaterial FIRE Slack Stationary Dosition Drag Chain operation Stationary Dosition Drag Chain operation Stationary Dosition Drag Chain operation Service Stationary Dosition Service Stationary Dosition Stationary Dosition Drag Chain operation Service Stationary Dosition Drag Chain operation Service Stationary Dosition Stationary Dosi	Locking plug connector	Screw connection
Locking nut material Seal material FKM Tightening torque Width across flats Cable Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending voltage, cable 250 V AC Rated impulse voltage Current loading FKM FKM FKM FKM D.6 Nm O.6 Nm PUR, halogen-free Gray 4.5 mm O.34 mm² Unshielded Unshielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Should diameter Stationary position Drag chain operation Drag chain operation Should diameter Should diam	Connector material	TPU
Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Gray Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use 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 250 V DC Rated impulse voltage 2,5 kV Current loading 4 A	Connector color	Black
Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Gray Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use 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 250 V DC 25 kV Current loading 4 A	Locking nut material	Zinc die-cast, nickel-plated
Width across flats 13 Cable 10 m, 4-wire, PUR, halogen-free Jacket color Gray Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Paragchain operation > 10 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 2.5 kV Current loading 4 A	Seal material	FKM
Cable Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Shominal voltage, cable Reference voltage Rated impulse voltage Current loading PUR, halogen-free ### PUR ### A.5 mm 2.5 x cable diameter > 10 x cable diam	Tightening torque	0.6 Nm
Jacket color Cable diameter 4.5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Nominal voltage, cable Test voltage Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading PUR, halogen-free Gray 4.5 mm 0.34 mm² Unshielded Unshielded > 10 x cable diameter > 5 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 25 x cable diameter > 10 x cable diameter > 25 x cable diameter > 10 x cable diameter >	Width across flats	13
Jacket color Cable diameter 4.5 mm Conductor cross section 0.34 mm² Unshielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles 10,000,000 Nominal voltage, cable Test voltage, cable 250 V AC Reference voltage 250 V DC Rated impulse voltage Current loading 4.4 A	Cable	10 m, 4-wire, PUR, halogen-free
Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius	Jacket material	PUR, halogen-free
Conductor cross section 0.34 mm² Shelding Unshielded Bending radius > 10 x cable diameter Stationary position Drag chain operation > 5 x cable diameter Nominal voltage, cable 10,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 250 V AC Rated impulse voltage 2.5 kV Current loading 4 A	Jacket color	Gray
Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Sending cycles Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading Unshielded > 10 x cable diameter > 5 x cable diameter > 10,000,000 300 V AC 2,500 V AC 250 V DC A A	Cable diameter	4.5 mm
Bending radius Flexible use Stationary position Drag chain operation Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading Flexible use > 10 x cable diameter > 10,000,000 300 V AC 2,500 V AC 250 V DC Rated impulse voltage 4 A	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 Reference voltage 250 V DC Rated impulse voltage 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 4 A	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 Current loading > 5 x cable diameter > 10 x cable diameter 10,000,000 200 V AC 2,500 V AC 250 V AC 250 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 2.5 kV Current loading 4 A	Flexible use	> 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 2.5 kV Current loading 4 A	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 2.5 kV Current loading 300 V AC 4 A	Drag chain operation	> 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	Bending cycles	10,000,000
Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Nominal voltage, cable	300 V AC
250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Test voltage, cable	2,500 V AC
250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Reference voltage	
Rated impulse voltage 2.5 kV Current loading 4 A		250 V AC
Current loading 4 A		250 V DC
	Rated impulse voltage	2.5 kV
Traversing speed 3 m/s	Current loading	4 A
	Traversing speed	3 m/s

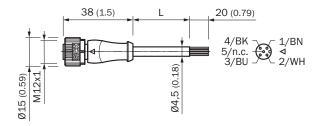
Travelling distance	10 m
Acceleration	≤ 10 m/s²
Signal type	Sensor/actuator cable
Torsion force	180°/1m
Torsion cycles	2,000,000
Cycles per minutes	35
Application	Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation
Authorizations	CE UL
UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
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 Section 1090 (H), CSA FT2 / 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))



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