YF2A14-C50UJ2M2A14

Other connectors and cables

PLUG CONNECTORS AND CABLES



YF2A14-C50UJ2M2A14 | Other connectors and cables

PLUG CONNECTORS AND CABLES



Ordering information

Туре	Part no.
YF2A14-C50UJ2M2A14	2121301

Other models and accessories

www.sick.com/Other_connectors_and_cables



Detailed technical data

Technical specifications

Connection type head AMea connector, M12, 4-pin, straight, A-codedConnection type head BFerei a connector, M12, 4-pin, straightLocking pug connectorSew connection, M12, 4-pin, straightConnector naterialSew connection, M12, 4-pin, straightConnector naterialFerei a connection, M12, 4-pin, straightConnector naterialSew connection, M12, 4-pin, strai		
Locking plug connectionServe connectionConnector coreFVConnector coreBickConnector coreConnector coreLocking nut materialConnector coreTigthening torqueConnector coreWith across flatsConnector coreCoreConnector coreCoreConnector coreCoreConnector coreCoreConnector coreCore <t< th=""><th>Connection type head A</th><th>Male connector, M12, 4-pin, straight, A-coded</th></t<>	Connection type head A	Male connector, M12, 4-pin, straight, A-coded
Conector and reliableFUConector colorBickColor color colorColor color c	Connection type head B	Female connector, M12, 4-pin, straight
Concor colorBickLocking nut materialCalcea, nickel paterialTablening corpCalcea, nickel paterialVith across flatSin Aure, PUR, halogen-freeLaket materialSin Aure, PUR, halogen-freeLaket colorCalcea, Sin Aure, PUR, halogen-freeLaket colorSin Aure, PUR, halogen-freeCaldei diameterSin Aure, PUR, halogen-freeCaldei diameterSin Aure, PUR, Halogen-freeLaket colorSin Aure, PUR, Halogen-freeCaldei diameterSin Aure, PUR, Halogen-freeStationary partSin Aure, PUR, Halogen-free <t< th=""><th>Locking plug connector</th><th>Screw connection</th></t<>	Locking plug connector	Screw connection
Loking nut naterialRiedenkelepidedTotkening conserved0.5MVitth across flats0.5MCable0.5MLoket color0.5MLoket color0.5MCable diameter0.3MCable diameter0.3MCable diameter0.3MCable diameter0.3MCable diameter0.3MStationary Conserved0.3MFile Mark0.3MStationary Conserved0.3MStationary Conserved0.3MStatio	Connector material	TPU
Tghtening torque0.8 NmWith across fish0.6 NmWith across fish0.8 NmJaket name0.8 NmJaket name0.8 NmJaket name0.8 NmJaket name0.8 NmCabled name0.8 NmCabled name0.8 NmShelding0.8 NmShelding0.8 NmShelding name0.8 NmStationary name0.8 NmStationary name0.8 NmShelding cable0.8 NmShelding cable0.8 NmShelding cable0.8 NmShelding cable0.8 NmStationary name0.8 NmStationary name0.8 NmShelding cable0.8 Nm	Connector color	Black
With across fats3Cable0.5 m, 4wire, PUR, halogen-freeJacket materialUR, halogen-freeJacket colorGrayCable diameter0.3 h m?Conductor cross section0.3 d m?SheldingUnsheldedBending radius-Flexible ua Darg chain oppoint5 x cable diameterFlexible ua Darg chain oppoint-Stationary position-Stationary position-Jondo Conductores-Rending colles-Main and colles-Stationary position-Jondo Conductores-Stationary position-Jondo Conductores-Stationary position-Stationary position-Jondo Conductores-Stationary position-Stationary position-Jondo Conductores-Stationary position-Stationary position-Jondo Conductores-Stationary position-Stationary position-Stati	Locking nut material	Zinc die-cast, nickel-plated
Cable0.5m.4.Wink PUR, halogen.freeJacket material0.5m.4.Wink PUR, halogen.freeJacket color0.5m.4.Wink PUR, halogen.freeCable diameter0.5m.4.Wink PUR, halogen.freeConduct cross section0.3m.4.Mink PUR, halogen.freeShalding0.5m.4.Mink PUR, halogen.freeBending radius> 10.0m.6.Mink PUR, halogen.freeFreekore> 0.0m.6.Mink PUR, halogen.freekoreTargen and section> 10.0m.6.Mink PUR, halogen.freekoreStationary power> 0.0m.6.Mink PUR, halogen.freekoreTargen and section> 0.0m.6.Mink PUR, halogen.freekoreStationary power> 0.0m.6.Mink PUR, halogen.freekoreTargen and section> 0.0m.6.Mink PUR, halogen.freekoreReference voltage> 0.0m.6.Mink PUR, halogen	Tightening torque	0.6 Nm
Jacket notor PUR, halogen-free Jacket color Gray Cable diameter 4.5 mm Conductor cross section 0.34 mm² Shelding Unshelded Bending radius > 10 x cable diameter Flexible us > 10 x cable diameter Drag chain operation > 10 x cable diameter Drag chain operation > 10 x cable diameter Drag chain operation > 10 x cable diameter Stationary position > 10 x cable diameter Drag chain operation > 10 x cable diameter Stationary position > 10 x Cable diameter Statin dit diameter	Width across flats	13
Jacket colorGradCable diameter5.4 m.aConductor coss section0.4 m.aConductor coss section0.4 m.aSheldingb.aBeding radius-Flexibles5.4 cable diameterStationary position1.0 cable diameterStationary position1.0 cable diameterDarge diameter-Stationary position1.0 cable diameterStationary position1.0 cable diameterStationary position1.0 cable diameterStationary position0.0 v.ARending costage0.0 v.ARending costage0.0 v.AStationary position0.0 v.AStationary posi	Cable	0.5 m, 4-wire, PUR, halogen-free
Cable diameter4.5 mmConductor cross section0.34 mm²SheldingUnsheldedShelding radius> 10 x cable diameterStationary postion> 10 x cable diameterStationary postion> 10 x cable diameterDrag chain opperation> 10 x cable diameterStationary postion> 20 x Cable diameterStationary postion> 20 x QATest voltage, cable> 20 x QAStationary postion> 20 x QAStationary postion> 20 x QAStationary postion> 20 x QATest voltage, cable> 20 x QAStationary postion> 20 x QA </th <th>Jacket material</th> <th>PUR, halogen-free</th>	Jacket material	PUR, halogen-free
Conductor cross section0.34 ma²Conductor cross section0.34 ma²SheldingUnsheldedShelding radiusVFlexibelus>10 x cable diameterStationary posino> 20 x cable diameterOrage dainongero> 10 x cable diameterDrage dainongero> 10 x cable diameterBending rycles100 x 000Reference voltage, cable200 x 000Reference voltage200 x 000<	Jacket color	Gray
Sheading Main Sheading radius	Cable diameter	4.5 mm
Bending radius > 10 x cable diameter Fixible us > 5 x cable diameter Drag chain opper us > 10 x cable diameter Bending rycles 000,000 Rominal voltage, cable 000,000 Test voltage, cable 000 x 0.00 Reference voltage 200 x 0.00	Conductor cross section	0.34 mm ²
Flexible is10 x cable diameterStationary option5 x cable diameterDrag chain oppion10 x cable diameterBending cycles10,00,000Kominal voltage, cable300 VACTest voltage, cable200 VACStationary oppion500 VACReference voltage200 VACStationary oppion200 VACRated impulse voltage200 VACStationary oppion200 VACRated impulse voltage200 VACRated impulse voltage200 VACGurent loadingATaversing speed10mKaceleration210 my2	Shielding	Unshielded
Stationaryosia> 5 x cabe dismeterDrag dispination> 10 x 0 a cabe dismeterBending cycles00 x 0 x 0 x 0 x 0 x 0 x 0 x 0 x 0 x 0	Bending radius	
Drag chain operation> 10 x cable diameterBending cycles10,00,000Nominal voltage, cable300 VACTest voltage, cable2,500 VACReference voltage250 VAC200 VAC2,500 VACRated impulse voltage2,5 kVRated impulse voltage4,4Taversing speed10 mTaveling distance10 mAccleration2,10 m/s²	Flexible use	> 10 x cable diameter
Bending cycles10,000,000Nominal voltage, cable300 VACTest voltage, cable2,500 VACReference voltage250 VAC250 VAC250 VAC250 VAC250 VAC250 VAC250 VAC7ated impulse voltage4.4Tarversing speed3m/sTarvelling distance0mAcceleration210 m/s²	Stationary position	> 5 x cable diameter
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 4.4 Traversing speed 3 m/s Travelling distance 10 m Acceeration 210 m/s ²	Drag chain operation	> 10 x cable diameter
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 Traversing speed 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s²	Bending cycles	10,000,000
Reference voltageSO VAC SO VAC SO VDCRated impulse voltageS. SkVCurrent loading4ATraversing speedSm/sTravelling distanceImAccelerationS1 MyS	Nominal voltage, cable	300 V AC
250 YAC 250 YDCRated impulse voltage2.5 kVCurrent loading4.ATraversing speed3 m/sTravelling distance10 mAcceleration5 10 m/s²	Test voltage, cable	2,500 V AC
250 V DCRated impulse voltage25 k VCurrent loading4 ATraversing speed3 m/sTravelling distance10 mAcceleration5 10 m/s²	Reference voltage	
Rated impulse voltage2.5 kVCurrent loading4 ATraversing speed3 m/sTravelling distance10 mAcceleration> 10 m/s²		250 V AC
Current loading4 ATraversing speed3 m/sTravelling distance10 mAcceleration\$ 10 m/s²		250 V DC
Traversing speed 3 m/s Travelling distance 10 m Acceleration \$ 10 m/s ²	Rated impulse voltage	2.5 kV
Travelling distance 10 m Acceleration ≤ 10 m/s ²	Current loading	4 A
Acceleration ≤ 10 m/s ²	Traversing speed	3 m/s
	Travelling distance	10 m
Signal type Sensor/actuator cable	Acceleration	≤ 10 m/s²
	Signal type	Sensor/actuator cable

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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
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

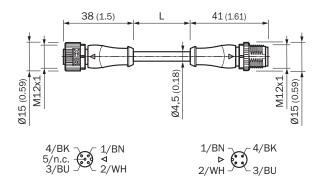
Classifications

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))



SICK AT A GLANCE

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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.

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For us, that is "Sensor Intelligence."

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