

YF2A14-C60UB3M2A14





Ordering information

Туре	Part no.
YF2A14-C60UB3M2A14	2095999

Other models and accessories → www.sick.com/



Detailed technical data

Technical specifications

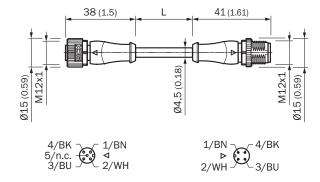
Accessory group Accessory family Connection type head A Connection type head B Locking plug connector Connector material Connector color Locking nut material Seal material Tightening torque Width across flats Cable Jacket material Jacket color Cabled diameter Conductor cross-section Shelding Bending radius Flexible use Stationary position Drag chain operation Pug connectors and cables Connector, M12, 4-pin, straight, A-coded Male connector Male
Connection type head A Connection type head B Male connector, M12, 4-pin, straight, A-coded Connector plug connector Connector material Connector color Locking nut material Seal material FKM Confughering torque Width across flats Cable Jacket material Jacket color Black Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Female connector, M12, 4-pin, straight, A-coded Male connector, M12, 4-pin, straight, A-coded Sterw connector N12, 4-pin, straight, A-coded Male connector, M12, 4-pin, straight, A-coded Sterw connector N12, 4-pin, straight, A-coded Male connector, M12, 4-pin, straight, A-coded Sterw connector, M12, 4-pin, straight, A-coded TPU Sterwing hit, A-coded TPU She connector, M12, 4-pin, straight, A-coded TPU Sterw connector PUU Sterw connector, M12, 4-pin, straight, A-coded TPU Sterwing hit, A-coded TPU Sterwing hit
Connection type head B Locking plug connector Connector material Connector color Locking nut material Seal material FKM Tightening torque Width across flats Cable Jacket material Jacket color Black Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Male connector, M12, 4-pin, straight, A-coded Screw connection Screw connection Analysis traight, A-coded Screw connection TPU Screw connection FVM Locking nut material Sinck FKM Cinc die-cast, nickel-plated FKM Cinc die-cast, nickel-plated FKM O.6 Nm Under-cast, nickel-plated FKM O.6 Nm O.6 Nm Under-cast, nickel-plated FKM O.6 Nm O.6 Nm O.6 Nm O.6 Nm O.6 Nm O.6 Nm O.6 Mm
Locking plug connector Connector material Connector color Locking nut material Seal material FKM Tightening torque Width across flats Cable Jacket material PUR, halogen-free PUR, halogen-free Black Cable diameter Conductor cross-section Shielding Flexible use Stationary position Serew connection TPU TPU Connector color Black Cable diameter V.5 x cable diameter > 13 Connector color Since color Conductor cross-section Stationary position Since diameter > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter
Connector material Connector color Black Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable Jacket material PUR, halogen-free Jacket color Black Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position TPU Black Zinc die-cast, nickel-plated FKM 0.6 Nm 0.6 Nm 13 20 40 40 40 40 40 40 40 40 40
Connector color Locking nut material Zinc die-cast, nickel-plated FKM Tightening torque 0.6 Nm Width across flats 13 Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Stationary position Jinc die-cast, nickel-plated FKM 0.6 Mm 0.6 Nm 13 0.6 Nm 9UR, halogen-free Black 4.5 mm 0.34 mm² Unshielded > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter
Locking nut material Seal material FKM 0.6 Nm Width across flats 13 Cable Jacket material PUR, halogen-free Jacket color Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Zinc die-cast, nickel-plated FKM 0.6 Nm 13 23 14 15 15 16 17 18 18 18 18 18 19 19 10 10 10 10 10 10 10 10
FKM Tightening torque 0.6 Nm Width across flats 13 Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material Jacket color Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Fixide Stationary position O.6 Nm 0.6 Nm 0.6 Nm PUR, halogen-free Black 4.5 mm 0.34 mm² Unshielded > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter
Tightening torque Width across flats 13 Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter 4.5 mm Conductor cross-section Shielding Bending radius Flexible use Stationary position 0.10 Nm 10 Nm
Width across flats Cable 0.6 m, 4-wire, PUR, halogen-free PUR, halogen-free Black Cable diameter Conductor cross-section Shielding Flexible use Stationary position 13 0.6 m, 4-wire, PUR, halogen-free PUR, halogen-free Black 4.5 mm 0.34 mm² Unshielded > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter
Cable Jacket material Jacket color Black Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position 0.6 m, 4-wire, PUR, halogen-free PUR, halogen-free 9.34 mm 4.5 mm 0.34 mm² Unshielded > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter
PUR, halogen-free Black Cable diameter 4.5 mm Conductor cross-section Shielding Unshielded Flexible use Stationary position PUR, halogen-free PUR, halogen-free PUR, halogen-free Slack 4.5 mm 0.34 mm² Unshielded > 10 x cable diameter > 5 x cable diameter
Black Cable diameter 4.5 mm Conductor cross-section 0.34 mm² Unshielded Bending radius Flexible use Stationary position Stationary position Slack 4.5 mm 0.34 mm² Vnshielded 5 x cable diameter 5 x cable diameter
Cable diameter 4.5 mm 0.34 mm² Unshielded Bending radius Flexible use Stationary position 5 x cable diameter 5 x cable diameter
Conductor cross-section Shielding Unshielded Bending radius Flexible use Stationary position Stationary position O.34 mm² Unshielded > 10 x cable diameter > 5 x cable diameter
Shielding Bending radius Flexible use Stationary position Stationary position Unshielded > 10 x cable diameter > 5 x cable diameter
Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter
Flexible use > 10 x cable diameter Stationary position > 5 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
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
Signal type	Sensor/actuator cable
Torsion force	180° / 1 m
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

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