

YF2A14-050VB3M2A14

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
YF2A14-050VB3M2A14	2096600

Other models and accessories → www.sick.com/Sensor_actuator_cable



Detailed technical data

Technical specifications

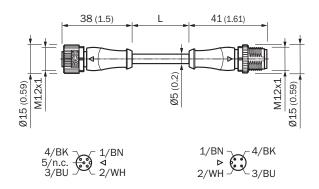
Accessory group Plug connectors and cables Connection type head A Cennection cables Connection type head B Male connector, M12, 4-pin, straight, A-coded Connector material TPU Connector material TPU Connector color Black Locking nut material FKM Seal material FKM Tightening forque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PVC Jacket material PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 250 V AC 250 V DC 250 V DC Rated impulse voltage 25 kV Current loading 4 A Signal type Sensor/actuator cable Application Cere with	·	
Connection type head A Female connector, M12, 4-pin, straight, A-coded Connection type head B Male connector, M12, 4-pin, straight, A-coded Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Width across flats 13 Cable 5 m, 4-wire, PVC Jacket material PVC Jacket color Gray Conductor cross section 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Stationary position 2 50 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2 5x kV Current loading 4 A Signal type A policy actuator cable <th>Accessory group</th> <th>Plug connectors and cables</th>	Accessory group	Plug connectors and cables
Connection type head B Male connector, M.1.2, 4-pin, straight, A-coded Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Width across flats 13 Cable 5 m, 4-wire, PVC Jacket material PVC Jacket toolor Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use 5 tationary position 5 ta cable diameter Flexible use 5 tationary position 5 tationary position 7 tationary position 7 to 200 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 k V Current loading 4 A Signal type Sensor/actuator cable Application Sons with chemicals	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 5 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals	Connection type head A	Female connector, M12, 4-pin, straight, A-coded
Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PVC Jacket material PVC Cable diameter 6 mm Conductor cross section 0.34 mm² Shielding unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals	Connection type head B	Male connector, M12, 4-pin, straight, A-coded
Connector color Locking nut material FKM Seal material FKM Tightening torque Width across flats Cable Jacket material PVC Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Stationary position Nominal voltage, cable Reference voltage Reference voltage Rated impulse voltage Application Seal material Jacket color Gray Cable diameter Stationary Dosition Stationar	Locking plug connector	Screw connection
Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius *In x cable diameter Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals	Connector material	TPU
Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals	Connector color	Black
Tightening torque Width across flats 13 Cable 5 m, 4-wire, PVC PVC Jacket color Cable diameter Conductor cross section Shielding Flexible use Stationary position Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage Reference voltage Rated impulse voltage Current loading Application Do A Mm 13 30 A Mm 2 A PO Current loading A PO A PO Conse with chemicals	Locking nut material	Zinc die-cast, nickel-plated
Width across flats Cable 5 m, 4-wire, PVC Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage Reference voltage Current loading Signal type Application 5 m, 4-wire, PVC Arwire, PVC	Seal material	FKM
Cable Jacket material PVC Gray Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage Rated impulse voltage Current loading Signal type Application Application PVC Gray Gray And Awire, PVC Gray A wire, PVC Gray A wire, PVC Gray A wire, PVC A wire, PVC A wire, PV A wire, PVC A wire, PV A	Tightening torque	0.6 Nm
Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals	Width across flats	13
Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading Signal type Application Signal type Application Signal type Good Amm² Unshielded Unshield	Cable	5 m, 4-wire, PVC
Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage Reference voltage Rated impulse voltage Current loading Signal type Application Shielding Solvan Sol	Jacket material	PVC
Conductor cross section Shielding Bending radius Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application 0.34 mm² Unshielded Unshielded Application 0.34 mm² 0.34 m	Jacket color	Gray
Shielding Bending radius Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application 2 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter	Cable diameter	5 mm
Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading Signal type Application Flexible use > 10 x cable diameter > 5 x cable diameter 300 V AC 200 V AC 250 V BC 2.5 kV 4 A Sonsor/actuator cable Zones with chemicals	Conductor cross section	0.34 mm ²
Flexible use Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application 2 20 es with chemicals	Shielding	Unshielded
Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading Signal type Application > 5 x cable diameter 300 V AC 2,000 V	Bending radius	
Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Application 300 V AC 2,000 V AC 2,000 V AC 250 V DC	Flexible use	> 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 Sensor/actuator cable Application 2,000 V AC	Stationary position	> 5 x cable diameter
Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Application Sensor/actuator cable Zones with chemicals	Nominal voltage, cable	300 V AC
250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals	Test voltage, cable	2,000 V AC
250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals	Reference voltage	
Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals		250 V AC
Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals		
Signal type Sensor/actuator cable Application Zones with chemicals	Rated impulse voltage	
Application Zones with chemicals		4 A
Authorizations CE	Application	Zones with chemicals
	Authorizations	CE

	UL
UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
Ambient operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-30 °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 VW1 / CSA FT1

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

Dimensional drawing (Dimensions in mm (inch))



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PLUG CONNECTORS AND CABLES

Recommended accessories

Other models and accessories → www.sick.com/Sensor_actuator_cable

	Brief description	Туре	Part no.	
Other mounting accessories				
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208	

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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.

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For us, that is "Sensor Intelligence."

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