

YF2A15-040VB5M2A15

Sensor/actuator cable





Ordering information

Туре	Part no.
YF2A15-040VB5M2A15	2127687

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

Detailed technical data

Technical specifications

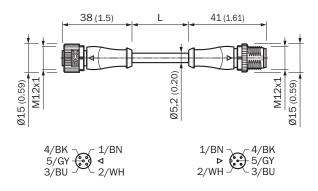
Connection type head A Female connector, M12, 5-pin, straight, A-coded Connector openetor Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 4 m, 5-wire, PVC Jacket acterial PVC Jacket color Gray Cable diameter 5.2 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter Nominal voltage, cable 2,000 V AC Test voltage, cable 2,000 V AC Reference voltage 1.5 kV Current loading 5.4 A Signal type Sensor/actuator cable Application CE UL File No. E335179		
Decking plug connector Screw connection TPU	Connection type head A	Female connector, M12, 5-pin, straight, A-coded
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.8 Nm Width across flats 13 Cable 4 m, 5-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5.2 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position N 5 x cable diameter N cable diameter Nominal voltage, cable 300 v AC 2 Test voltage, cable 2,000 v AC 2 Reference voltage 1.5 kV 2 Quirent loading ≤ 4 A 4 Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones UL File No. E335179	Connection type head B	Male connector, M12, 5-pin, straight, A-coded
Connector color Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 4 m, 5-wire, PVC Jacket material PVC Cable diameter 5.2 mm Conductor cross section Shielding Unshielded Bending radius Flexible use Stationary position Stationary position Nominal voltage, cable 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading Signal type Application Authorizations Circle No. Elexible value oil consumer of the consumer of the consumer oil co	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 4 m, 5-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5.2 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 1.5 kV Qurrent loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Connector material	TPU
Seal material FKM Tightening torque 0.6 Nm Width across flats 1.3 Cable 4 m, 5-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5.2 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 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 125 V AC 125 V DC 1.5 kV Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Connector color	Black
Tightening torque 0.6 Nm Width across flats 13 Cable 4 m, 5-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5.2 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 125 V AC 125 V DC Rated impulse voltage Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Locking nut material	Zinc die-cast, nickel-plated
Width across flats 13 Cable 4 m, 5-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5.2 mm Conductor cross section 0.34 mm² Shelding Unshielded Bending radius Flexible use	Seal material	FKM
Cable 4 m, 5-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5.2 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use 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 125 V AC 125 V DC 125 V DC Rated impulse voltage 1.5 kV Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Tightening torque	0.6 Nm
Jacket material	Width across flats	13
Jacket color Gray Cable diameter 5.2 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 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 125 V AC 125 V DC 1.5 kV Rated impulse voltage 1.5 kV Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Cable	4 m, 5-wire, PVC
Cable diameter Conductor cross section Shielding Unshielded Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading Signal type Application Authorizations CE UL File No. 5.2 mm 0.34 mm² 0.34	Jacket material	PVC
Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 125 V AC 125 V DC 1.5 kV Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Jacket color	Gray
Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable 125 V AC 125 V DC Rated impulse voltage Current loading Signal type Application CE UL File No. Unshielded Unshielded Unshielded Unshielded Unshielded Unshielded Unshielded > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 6 x cable diameter > 6 x cable diameter > 6 x cable diameter > 6 x cable diameter > 6 x cable diameter > 6 x cable diameter > 6 x cable diameter > 6 x cable diameter > 6 x cable diameter > 7 x cable diameter > 6 x cable diameter > 7 x cable diameter	Cable diameter	5.2 mm
Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable 2,000 V AC Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading Signal type Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. Stationary position > 10 x cable diameter	Conductor cross section	0.34 mm ²
Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage	Shielding	Unshielded
Stationary position Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading ≤ 4 A Signal type Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. Signal type Sansor/actuator cable CE UL E335179	Bending radius	
Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 125 V AC 125 V DC 1.5 kV Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Flexible use	> 10 x cable diameter
Test voltage, cable Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading ≤ 4 A Signal type Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Stationary position	> 5 x cable diameter
Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading ≤ 4 A Signal type Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Nominal voltage, cable	300 V AC
125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Test voltage, cable	2,000 V AC
125 V DC Rated impulse voltage 1.5 kV Current loading ≤ 4 A Signal type Sensor/actuator cable Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Reference voltage	
Rated impulse voltage 1.5 kV Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179		125 V AC
Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179		125 V DC
Signal type Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179	Rated impulse voltage	1.5 kV
Application Zones with chemicals Uncontaminated zones Authorizations CE UL UL File No. E335179		≤ 4 A
Uncontaminated zones Authorizations CE UL UL File No. E335179	Signal type	Sensor/actuator cable
UL File No. E335179	Application	
	Authorizations	
- · · · · · · · · · · · · · · · · · · ·	UL File No.	E335179
Enclosure rating IP65 / IP66K / IP67	Enclosure rating	IP65 / IP66K / IP67

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))



SICK AT A GLANCE

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.

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.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations -www.sick.com

