

YF2A28-100S01XLEAX

Sensor/actuator cable





Ordering information

Туре	Part no.
YF2A28-100S01XLEAX	2099605

For 8-pin sensor-actuator cables, the wire colors are not standardized. Therefore, please observe the pin assignment of the sensor and the cable in the respective data sheet.

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

Detailed technical data

Technical specifications

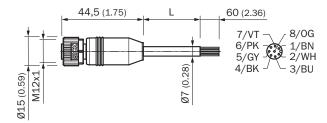
Connection type head B Flying leads Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 8-wire, PVC Jacket material PVC Jacket material PVC Jacket toolor Gray Cable diameter 7 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius Stationary position > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Special color code Application Zones with chemicals	•	
Locking plug connector Screw connection Connector material TPU Black Inching to put material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 8-wire, PVC Jacket color Gray Cable diameter 7 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius Stationary position > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 300 V AC Reference voltage 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Special color code Application Zones with chemicals	Connection type head A	Female connector, M12, 8-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 10 m, 8-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 7 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 300 V AC Reference voltage 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Special color code Application Zones with chemicals	Connection type head B	Flying leads
Connector color Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 8-wire, PVC Jacket material PVC Cable diameter 7 mm Conductor cross section Shielding Bending radius Stationary position Nominal voltage, cable 2.000 V AC Reference voltage 80 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading Special feature Application Special feature Application Jink (Machemater) Ji	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 10 m, 8-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 7 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 30 V AC 30 V DC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Special color code Application Zones with chemicals	Connector material	TPU
Scal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 10 m, 8-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 7 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius Stationary position Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 30 V AC 30 V DC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Special color code Application Zones with chemicals	Connector color	Black
Tightening torque Width across flats 13 10 m, 8-wire, PVC PVC Gray Cable diameter 7 mm Conductor cross section Shielding Bending radius Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 30 V AC 30 V DC Rated impulse voltage O.8 kV Current loading Sensor/actuator cable Special feature Application 10 m, 8-wire, PVC Array Application 10 m, 8-wire, PVC Array Application 10 m, 8-wire, PVC Array 10 m, 9-wire, PVC Array 10 m,	Locking nut material	Zinc die-cast, nickel-plated
Width across flats 13 13 15 15 15 15 15 15	Seal material	FKM
Cable 10 m, 8-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 7 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Special color code Application Zones with chemicals	Tightening torque	0.6 Nm
Jacket color Gray Cable diameter 7 mm Conductor cross section Shielding Bending radius Stationary position Nominal voltage, cable Reference voltage 30 V AC 30 V DC Rated impulse voltage Current loading Signal type Special feature Application PVC Gray Gray Gray Gray Gray Gray Gray Gray	Width across flats	13
Jacket color Gray Cable diameter 7 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 30 V AC 30 V DC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Special color code Application Zones with chemicals	Cable	10 m, 8-wire, PVC
Cable diameter 7 mm Conductor cross section 0.25 mm² Shielding Shielded Shielded Shielded Stationary position Stationary position Stationary position Power Stationary power Power Stationary power	Jacket material	PVC
Conductor cross section Shielding Bending radius Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 30 V AC 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading Signal type Special feature Application O.25 mm² Shielded Stationary position > 10 x cable diameter > 300 V AC 300 V AC 300 V AC 300 V AC 30 V AC 30 V AC 30 V DC Sensor/actuator cable Special color code Application Zones with chemicals	Jacket color	Gray
Shielding Bending radius Stationary position > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 30 V AC Rated impulse voltage 0,8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Application 2 Zones with chemicals	Cable diameter	7 mm
Stationary position > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 30 V AC 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Special color code Application Zones with chemicals	Conductor cross section	0.25 mm ²
Nominal voltage, cable Test voltage, cable Reference voltage 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading Signal type Special feature Application > 10 x cable diameter 300 V AC 2,000 V AC 30 V AC 30 V DC Sensor/actuator cable Special color code Zones with chemicals	Shielding	Shielded
Nominal voltage, cable Test voltage, cable Reference voltage 30 V AC 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Special feature Application 300 V AC 2,000 V AC 30 V AC 40 V AC 4	Bending radius	
Test voltage, cable Reference voltage 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Special feature Application 2,000 V AC 30 V AC 30 V DC 2 Sensor/actuator cable Special color code Zones with chemicals	Stationary position	> 10 x cable diameter
Reference voltage 30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Application Some with chemicals	Nominal voltage, cable	300 V AC
30 V AC 30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Application 30 V AC 30 V DC 0.8 kV 2 A Sensor/actuator cable Special color code Zones with chemicals	Test voltage, cable	2,000 V AC
30 V DC Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Application 30 V DC 0.8 kV 2 A Sensor/actuator cable Special color code Zones with chemicals	Reference voltage	
Rated impulse voltage 0.8 kV Current loading 2 A Signal type Sensor/actuator cable Special feature Application 0.8 kV 2 A Zones with chemicals		30 V AC
Current loading 2 A Signal type Sensor/actuator cable Special feature Special color code Application Zones with chemicals		30 V DC
Signal type Sensor/actuator cable Special feature Special color code Zones with chemicals	Rated impulse voltage	0.8 kV
Special feature Special color code Application Zones with chemicals	Current loading	2 A
Application Zones with chemicals	Signal type	Sensor/actuator cable
	Special feature	Special color code
Enclosure rating IP65 / IP66K / IP67	Application	Zones with chemicals
	Enclosure rating	IP65 / IP66K / IP67
	Operating temperature	
Flexible use -5 °C +80 °C	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

