

YF2A14-150UB3XLEAX

Sensor/actuator cable





Ordering information

Туре	Part no.
YF2A14-150UB3XLEAX	2095610

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



Detailed technical data

Technical specifications

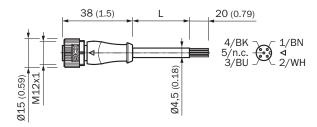
Connection type head A		Female connector, M12, 4-pin, straight, A-coded
Connection type head B		Flying leads
Locking plug connector		Screw connection
Connector material		TPU
Connector color		Black
Locking nut material		Zinc die-cast, nickel-plated
Seal material		FKM
Tightening torque		0.6 Nm
Width across flats		13
Cable		15 m, 4-wire, PUR, halogen-free
Jacket material		PUR, halogen-free
Jacket color		Black
Cable diameter		4.5 mm
Conductor cross section	ı	0.34 mm ²
Shielding		Unshielded
Bending radius		
	Flexible use	> 10 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

Torsion force Torsion cycles Cycles per minutes Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation CE UL UL File No. E335179 Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Drag chain operation Flexible use Stationary position Head Drag chain operation Head Torsion cycles 2,000,000 Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation 1065 / IP66K / IP67 1075 - 40°C +80°C -40°C +80°C -25°C +80°C -25°C +80°C -25°C +80°C -25°C +85°C Contamination rating Insulation resistance 100 MΩ Overvoltage category III		
Sensor/actuator cable	Travelling distance	10 m
Torsion force 180° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Eight P65 / IP66K / IP67 Operating temperature Flexible use Stationary position Drag chain operation Flexible use -25°C+80°C -40°C+80°C -25°C+80°C	Acceleration	≤ 10 m/s²
Torsion cycles 2,000,000 Cycles per minutes Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation CE UL UL File No. E335179 Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping 100 MΩ Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation CE UL UL E35179 E135179 E13	Signal type	Sensor/actuator cable
Cycles per minutes Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation CE UL UL File No. E335179 Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation E35 CE UL L335179 L965 / IP66K / IP67 CE UL L335179 L965 / IP66K / IP67 CO CO L95° C +80° C -40° C +80° C -25° C +80° C -25° C +85° C Contamination rating Solution resistance 100 MΩ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Torsion force	180°/1 m
Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Authorizations CE UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use Stationary position -40 °C +80 °C -40 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance 3 Insulation resistance Query III 100 MΩ Specific insulation resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Torsion cycles	2,000,000
Zones with oils and lubricants Robot Drag chain operation CE UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use -25 °C +80 °C -40 °C +80 °C -25 °C +80 °C Drag chain operation -25 °C +80 °C -25 °C +85 °C Contamination rating 3 Insulation resistance 100 MΩ 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,	Cycles per minutes	35
UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use	Application	Zones with oils and lubricants Robot
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 MΩ 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,	Authorizations	
Operating temperature Flexible use -25 °C +80 °C Stationary position -40 °C +80 °C -25 °C +80 °C -25 °C +85 °C Contamination rating 3 Insulation resistance 100 MΩ 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,	UL File No.	E335179
Flexible use Stationary position Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping Flexible use -25 °C +80 °C -40 °C +80 °C -25 °C +85 °C 25 °C +85 °C 100 MΩ 100 MΩ Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Enclosure rating	IP65 / IP66K / IP67
Stationary position Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping -40 °C +80 °C -25 °C +80 °C -25 °C +85 °C 3 Insulation resistance 100 MΩ III Specific insulation resistance 30 mΩ Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Operating temperature	
Drag chain operation Head -25 °C +80 °C -25 °C +85 °C Contamination rating 3 Insulation resistance 100 MΩ 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,	Flexible use	-25 °C +80 °C
Head -25 °C +85 °C Contamination rating 3 Insulation resistance 100 MΩ 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,	Stationary position	-40 °C +80 °C
Contamination rating 3 Insulation resistance 100 MΩ 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,	Drag chain operation	-25 °C +80 °C
Insulation resistance 100 MΩ 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,	Head	-25 °C +85 °C
Overvoltage category III Specific insulation resistance $30 \text{ m}\Omega$ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Contamination rating	3
Specific insulation resistance 30 mΩ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Insulation resistance	100 ΜΩ
Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Overvoltage category	III
	Specific insulation resistance	30 mΩ
	Thermal resistance, piping	

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))



Recommended accessories

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

	Brief description	Туре	Part no.
Others			
	Connection type head A: Male connector, M12, 5-pin, straight, A-coded Description: Unshielded, Head A: male connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm² Note: For field bus technology	STE-1205-G	6022083
	Connection type head A: Female connector, M12, 5-pin, straight, A-coded Description: Unshielded, Head A: female connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm²	DOS-1205-G	6009719
*	 Product family: Assembly accessories Description: M12 mounting key set for SW13 with calibrated torque 0.6 Nm Packing unit: 1 piece Suitable for: M12 Standard 	TOOL-TW06M12AF13	5337208

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