

YF2A14-030UB3N2A14

Sensor/actuator cable





Ordering information

Туре	Part no.
YF2A14-030UB3N2A14	2139066

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	Male connector, M12, 4-pin, angled, A-coded
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	3 m, 4-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	4.5 mm
Conductor cross section	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
Travelling distance	10 m
Acceleration	≤ 10 m/s²

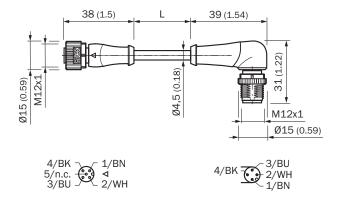
Torsion force 180° / 1 m Torsion cycles 2,000,000 Cycles per minutes 35 Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Authorizations CE UL UL File No. E335179 Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use Stationary position Drag chain operation Pag chain operation Head -25 °C +80 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ		
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 Contamination rating Insulation resistance Specific insulation resistance Thermal resistance, piping 2,000,000 35 Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Contaminated zones Zones with oils and lubricants Robot Drag chain operation Contamination rating 100 MΩ Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	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. Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Drag chain operation Head Drag chain operation Head Overvoltage category Specific insulation resistance Thermal resistance, piping Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Drag chain operation - 25 °C +80 °C - 40 °C +80 °C - 25 °C +80 °C - 25 °C +85 °C Sommandion 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 CE UL UL File No. E335179 Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation C = 0.25 ° C +80 ° C -40 ° C +80 ° C -25 ° C +80 ° C -25 ° C +80 ° C -25 ° C +85 ° C Contamination rating Insulation resistance Overvoltage category III Specific insulation resistance Thermal resistance, piping Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation CE UL 1965 / IP66K / IP67 CC Comamination rating CONES	Torsion cycles	2,000,000
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 Co +80 °C -40 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance Overvoltage category III Specific insulation resistance Thermal resistance, piping Zones with oils and lubricants Robot Drag chain operation CE UL Base 1966 / IP67 Co +80 °C -40 °C +80 °C -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance 100 MΩ Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Cycles per minutes	35
UL File No. Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	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, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Authorizations	
Flexible use 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 3 Insulation resistance 100 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 -25 °C +80 °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 -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance 100 MΩ Overvoltage category 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 $100 \text{ M}\Omega$ 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,	Drag chain operation	-25 °C +80 °C
Insulation resistance $100 \text{ M}\Omega$ 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,	Head	-25 °C +85 °C
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,	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

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Dimensional drawing (Dimensions in mm (inch))



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