

# YG2A14-150UB3XLEAX

Sensor/actuator cable





### Ordering information

Туре	Part no.
YG2A14-150UB3XLEAX	2095769

Other models and accessories → www.sick.com/Sensor\_actuator\_cable



#### Detailed technical data

#### Technical specifications

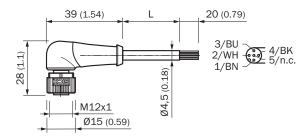
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Connection type head A	Female connector, M12, 4-pin, angled, A-coded
Connection type head B	Flying leads
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Zinc die-cast, nickel-plated
Seal material	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	0.34 mm <sup>2</sup>
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

Tavelling distance         10 m/s²           Acceleration         \$ 10 m/s²           Signal type         Sensor/actuator cable           Torsion force         180° / 1 m           Torsion cycles         2,000,000           Cycles per minutes         35           Application         Uncontaminated zones zones with oils and lubricants Robert oils and lubricants Anticants Anticants Robert oils and lubricants Robert oils anticants Robert oils anticants		
Signal type       Sensor/actuator cable         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       -25 °C +80 °C         Stationary position Drag chain operation       -40 °C +80 °C         Drag chain operation Head       -25 °C +80 °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,	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         Authorizations       CE         UL File No.       E335179         Enclosure rating       IP65 / IP66K / IP67         Operating temperature       -25°C+80°C         Stationary position Drag chain operation       -25°C+80°C         Authorization 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,	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  Possible use Stationary position Authorizations  Flexible use Stationary position Application  Flexible use Application  Application  Flexible use Application  Application  Flexible use Application  Application  Flexible use Application  Application  Flexible use Application  Flexible use Application  Flexible use Application  Application  Flexible use Application  Authorization  Flexible use Application  Application  Flexible use Application  Flexible use Application  Application  Flexible use Application  Application  Flexible use Application  Flexible use Application  Application  Flexible use Application  Application  Flexible use App	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  Plexible use Stationary position Drag chain operation  Prag chain operation  Cot +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  Specific insulation resistance  Thermal resistance, piping  Value Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation CE UL  UL  CE UL  UL  25 °C +80 °C -40 °C +80 °C -25 °C +85 °C  An one Cottamination rating Cottamination rating Cottamination resistance  III  Specific insulation resistance  Thermal resistance, piping  Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Torsion force	180°/1m
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 Ull       100 MΩ         Thermal resistance, piping       Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Torsion cycles	2,000,000
AuthorizationsZones with oils and lubricants Robot Drag chain operationUL File No.E335179Enclosure ratingIP65 / IP66K / IP67Operating temperatureFlexible use Stationary position Drag chain operation $-25 ° C +80 ° C$ $-40 ° C +80 ° C$ Contamination rating3Insulation resistance $100 MΩ$ Overvoltage categoryIIISpecific insulation resistance, pipingFlame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Cycles per minutes	35
UL  UL File No.  Enclosure rating  Operating temperature  Flexible use Stationary position Drag chain operation Head  Contamination rating  Insulation resistance  Overvoltage category  Thermal resistance, piping  E335179  IP65 / IP66K / IP67  P65 / IP66K / IP67  P66 / IP66 / IP67  P66 / IP66 / IP67  P66 / IP66 / IP67  P66 / IP67  P66 / IP66 / IP66 / IP66 / IP67  P66 / IP66 / IP6	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	
Operating temperature         Flexible use	UL File No.	E335179
Flexible use Stationary position $-25  ^{\circ}\text{C} \dots +80  ^{\circ}\text{C}$ Drag chain operation $-25  ^{\circ}\text{C} \dots +80  ^{\circ}\text{C}$ Head $-25  ^{\circ}\text{C} \dots +85  ^{\circ}\text{C}$ Contamination rating 3  Insulation resistance 100 M $\Omega$ Overvoltage category III  Specific insulation resistance 30 m $\Omega$ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Enclosure rating	IP65 / IP66K / IP67
Stationary position Drag chain operation Drag chain Dra	Operating temperature	
Drag chain operation Head $-25$ °C +80 °C $-25$ °C +85 °CContamination rating3Insulation resistance100 MΩOvervoltage categoryIIISpecific insulation resistance30 mΩThermal resistance, pipingFlame 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
	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 $30 \text{ m}\Omega$ Thermal resistance, piping Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1,	Contamination rating	3
Specific insulation resistance $30 \text{ m}\Omega$ 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.		
Other mounting accessories					
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208		
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		

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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."

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