YF2A24-300VB4XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES



YF2A24-300VB4XLEAX | Sensor/actuator cable

PLUG CONNECTORS AND CABLES



Ordering information

Туре	Part no.
YF2A24-300VB4XLEAX	2127191

Other models and accessories -> www.sick.com/Sensor_actuator_cable



Detailed technical data

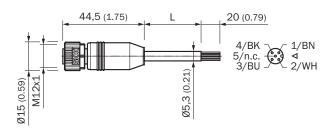
Technical specifications

Accessory group Naccessory and code/s Accessory family Omectory code/s Connection type head I Final connector, IL2, 4-jni, straight, A-coded Connector type head I Final connector, IL2, 4-jni, straight, A-coded Connector type head I Serve connector, IL2, 4-jni, straight, A-coded Connector material Serve connector, IL2, 4-jni, straight, A-coded Serve connector, IL2, 4-jni, straight, A-coded Serve connector, IL2, 4-jni, straight, A-coded Connector, IL2, 4-jni, straight, A-coded Serve connector, IL2, 4-jni, straight, A-coded Serve connector, IL2, 4-jni, straight, A-coded Serve connector, IL2, 4-jni, straight, A-coded Connector, IL2, 4-jni, straight, A-coded Serve connector, IL2, 4-jni, straight, A-coded Serve connector, IL2, 4-jni, straight, A-coded Serve			
Connection type head AFemale connector, M12, 4-pin, straight, A-codedConnection type head BFiying leadsLocking plug connectorScrew connectionConnector materialTPUConnector colorBackLocking nut materialConde-cast, nickel-platedSeal materialFKMTightening torque0.6 NmVidth across flats30 m, 4-wire, PVCJacket materialPVCLocking material0.9 M, 4-wire, PVCLocking materialScal materialVidth across flats0.9 M, 4-wire, PVCLocking materialScal materialConduct color0.3 M, 4-wire, PVCLocking materialScal materialStationary position0.9 M, 4-wire, PVCLocking materialScal materialStationary position0.9 M, 4-wire, PVCStationary position0.9 M, 4-wire, PVCReference voltage0.9 M, 4-wire, PVCReference voltage0.9 M, 4-wire, PVCStationary position1.9 K/VStationary position0.9 K, 4-WStationary position0.9 K, 4-WStationary position0.9 K, 4-W	Accessory group		Plug connectors and cables
Connection type head BFingle adeaLocking pug connectGrew connectionConnector colorBakaConnector colorGrew connectionLocking nut materialSind connectionSad materialGrew connectionTig thening corqueGrew connectionColor Color ColorGrew connectionMaterialGrew connectionColor Color Col	Accessory family		Connecting cables
Locking plug onnectorSerw connectionConnector materialFUConnector colorBackLocking nut materialFMSeal material6.8 NmTigthening torque0.8 NmCable30 m, 4.wire, PVCLaket color6.9 NmLaket color6.9 NmLaket color6.9 NmLaket color6.9 NmLaket color6.9 NmCable diameter0.9 NmCable diameter0.3 MmShelding0.34 mm²Stationary point0.9 AmineCaduet color0.9 AmineShelding1.0 cable diameterStationary point0.9 AmineCadie diameter0.9 AmineStationary point0.9 AmineStationary point0.9 AmineCarent coding0.9 AmineCarent coding0.9 AmineStationary point0.9 AmineCarent coding0.9 AmineStationary point0.9 AmineCarent coding0.9 AmineCarent coding0.9 AmineStationary point0.9 AmineStationary point0.9 AmineCarent coding0.9 AmineStationary point0.9 AmineStationary point0.9 AmineCarent coding0.9 AmineStationary point0.9 AmineStationary point0.9 AmineStationary point0.9 AmineCarent coding0.9 AmineStationary point0.9 AmineStationary point0.9 Amine	Connection type head A		Female connector, M12, 4-pin, straight, A-coded
ConcorTPUConnector nolorBlackLocking nut materialSind die cast, nickel-platedSeal materialFKMTightenig torque06 NmVitth across flats03 nut - wice, PVCCableSind - wice, PVCLocking nut materialPVCJacket color03 nut - wice, PVCCabled nuterial0.34 num?Cabled nuterial0.34 num?Cabled nuterial0.34 num?Shelding0.34 num?Stationary position10 cable diameterStationary position10 cable diameterReference voltage10 volta plate, P	Connection type head B		Flying leads
Conector colorBiakLocking nut materialKoricacca, kolor k	Locking plug connector		Screw connection
Locking number of the second	Connector material		TPU
Seal materialKMTghtening torque0.6 NmWith across flats0.4 NmCable0.4 NmCable0.4 NmJacket color0.4 NmCable diameter0.3 NmConductor cross section0.3 Am ² Shafding0.4 Am ² Stationary color0.4 Am ² Stationary color0.4 Am ² Stationary color0.4 ConductorStationary color0.4 ConductorReference voltage1.5 NCarent Loading0.4 NmSignal type0.4 NmApplication0.4 NmStationary color0.4 NmSignal type0.4 NmApplications0.5 NmApplications0.5 NmSignal type0.5 NmApplications0.5 NmA	Connector color		Black
Tightening torque0.6 NmWith across flats0.6 NmWith across flats0.6 NmCable0.6 NmJaket colorPCJaket color6 NmCable diameter5.3 mmConductor coss section0.3 Mm²Shelding0.3 Mm²Shelding radiusNmStationary one10 acbe diameterStationary one10 acbe diameterReference voltage5.0 NACNCRadel inpluse voltage6.0 NACNCCarcent lading5.0 NACNCStationary one5.0 NACNCCarcent lading6.0 NACNCSignal type6.0 NACNCAplicationConswitch conselsAthorizationsConswitch conselsLiple No.Stationary oneStationary oneStationary oneSignal typeSationary oneAthorizationsCiple Signal S	Locking nut material		Zinc die-cast, nickel-plated
With across flats13With across flats30 m, 4-wire, PVCCable30 m, 4-wire, PVCJacket materialVCJacket colorGrayCable diameter5.3 mmConductor cross section0.34 mm²SheldingbieldedShelding radius5.0 kieldedReference voltage- 01 x cable diameterCated impulse voltage- 5.0 k/V/CCCurrent loading5.4 klSignal typeSensor/catualor cableApplicationCincs with chemicalisAuthorizationsCincUt File No.Sational	Seal material		FKM
Cable30m, 4-wine, PVCJacket material9CJacket colorGrayJacket colorGamCable diameter53mConductor coss section0.34 mm²SheldingSheidedBending radiusSheidedStationary pointSheidediameterFeferene voltage15 MCCartent loading5.04 MCSignal type5.04 MCApplicationSinory could be an explanation of the point of the p	Tightening torque		0.6 Nm
Jacket materialPVCJacket colorGmQJacket colorSimaCable diameterSimaConductor coss sectionSid MarcaSheldingSid MarcaSheldingSid MarcaStationary positionSid MarcaReference voltageSid Naccale diameterReference voltageSid Naccale diameterStationary positionSid Naccale diameterReference voltageSid Naccale diameterReference voltageSid Naccale diameterSignal typeSid Naccale diameterSignal typeSinsor/Actuale diameterApplicationsCines with chamicale diameterAthorizationsSignal typeSignal typeSignal typeSignal typeSignal typeAthorizationsSignal typeSignal type <th>Width across flats</th> <th></th> <th>13</th>	Width across flats		13
Jacket colorGrayJacket colorGainaCable diameter5.3 mmConductor coss section0.34 mm²SheldingSheldedSheldingSheldedStationaryosiaJacable diameterReference voltage-Goi VaC/DCSheldedRated impulse voltage5.5 kVSignal type6.9 kA/CACCApplicationSinsc/actuator cableApplicationsConscienceMuthorizationsSinsc/actuator cableDue time time time time time time time tim	Cable		30 m, 4-wire, PVC
Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius Shielded Stationary position > 10x cable diameter Reference voltage - 10x cable diameter Rated impulse voltage 60 VAC/DC Rated impulse voltage 54 A Signal type 64 A Application Conswith chamicals Applications Conswith chamicals Authorizations Cig DL File No. Basiding Call	Jacket material		PVC
Conductor cross section0.34 mm²ShieldingShieldeShielding radius Stationary positionShieldeBending radius Stationary positionShieldeReference voltageJo x cable diameterRafed impulse voltageICurrent loading0.5 kVSignal typeSensor/actuator cableApplicationConswith chemicalsAuthorizationsCiUL File No.Satorizations	Jacket color		Gray
Shielding bielded Bending radius bielded Stationary position bielded Stationary position bielded Reference voltage clov cable diameter Stationary position clov CACCCC Rated impulse voltage 15 kV Current loading clov cable diameter Signal type clov cable diameter Application clos with chemicals Authorizations clos with chemicals LI File No. ga5319	Cable diameter		5.3 mm
Bending radius Stationary position 10 x cable diameter Reference voltage 60 V AC/DC Rated impulse voltage 5 kV Current loading Sansor/actuator cable Signal type Application Cursent loading Signal type S	Conductor cross section		0.34 mm ²
Stationary position > 10 x cable diameter Reference voltage > 60 V AC/DC Rated impulse voltage 1.5 kV Current loading > 4A Signal type Sensoractable Application Sinsoractable Subscription Sinsoractable Authorizations Cignal Sinsoractable Signal type Sinsorac	Shielding		Shielded
Reference voltage Solution a 60 V AC/DC a 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Muthorizations Cill UL File No. Sassara	Bending radius		
i controli controlRated impulse voltage1.5 kVCurrent loadingi controlSignal typeSensor/actuator cableApplicationZones with chemicalsAuthorizationsCigUL File No.Sensor/actuator cable	S	Stationary position	> 10 x cable diameter
Rated impulse voltage1.5 kVCurrent loading5 4 ASignal typeSensor/actuator cableApplicationZones with chemicalsAuthorizationsCiUL File No.E35179	Reference voltage		
Current loading ≤ 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations CE UL Signal type E335179			≤ 60 V AC/DC
Signal type Sensor/actuator cable Application Zones with chemicals Authorizations CE UL File No. E335179	Rated impulse voltage		1.5 kV
Application Zones with chemicals Authorizations CE UL File No. E335179	Current loading		≤ 4 A
AuthorizationsCE ULUL File No.E335179	Signal type		Sensor/actuator cable
UL E335179	Application		Zones with chemicals
	Authorizations		
Enclosure rating IP65 / IP66K / IP67	UL File No.		E335179
	Enclosure rating		IP65 / IP66K / IP67

YF2A24-300VB4XLEAX | Sensor/actuator cable PLUG CONNECTORS AND CABLES

Ambient operating temperature	
	−5 °C +80 °C
Stationary position	
	-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



Online data sheet

