YG2B25-100IB1XLEAX

Industrial Ethernet cables and fieldbus cables



PLUG CONNECTORS AND CABLES

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Ordering information

Туре	Part no.
YG2B25-100IB1XLEAX	2109203

Other models and accessories

www.sick.com/Industrial_Ethernet_cables_and_fieldbus_cables

Detailed technical data

Technical specifications

Accessory paidPice construction de la constru		
Connection type head AFinal connection (ALS), Spin, and get ALS), Spin, and (ALS),	Accessory group	Plug connectors and cables
Connection Yee head BFing leadsLocking plug connectorScew connectionConnector naterialTPUConnector colorBlackLocking nut materialScew connectionTigtening torqueOn Swine, PURCableScew connectionLacket colorGreenCable diameterGreenCable diameterScew connectionCable diameterScew colorScheidungScew colorDarder colorScew colorScheidungScew colorCable diameterScew colorDarge chain colorScew colorScow colorScew color<	Accessory family	Connecting cables
Acting pionectorScew connectionLocking joonectorScew connectionConnector colorBiakConnector colorBiakIncle cast, nickel-platedConnector colorTigtening torque0.4 NmCableDim S-wire, PURJacket naterialOreJacket colorGreenCaldeiameterSimolConductor coss sectionSiz 0.22 mm²SheldingSiz 0.22 mm²Shelding radiusSiz 0.22 mm²Fiestipe wSiz 0.22 mm²Siz 0.22 mm²Siz 0.22 mm²Shelding radiusSiz 0.22 mm²Siz 0.02 Mm²Siz 0.22 mm²Siz 0.02 Mm²Siz 0.02 Mm²Siz 0.02 Mm²Siz 0.02 Mm²Carge radiusSiz 0.02 Mm²Siz 0.02 Mm²Siz 0.02 Mm²Carrent loadingSiz 0.02 Mm²Siz 0.02 Mm²Siz 0.02 Mm²Carrent loadingSiz 0.02 Mm²Siz 0.02	Connection type head A	Female connector, M12, 5-pin, angled, B-coded
Connector materialFUConnector materialFUConnector materialRedLocking nut materialRedTigtening torque04 NaCableSinder, PURLacket colorRenCadediameterSinderCadediameterSinderCadediameterSinderShelding colorSicket colorFixering colorSicket colorFixering colorSicket colorShelding colorSicket colorShelding colorSicket colorFixering colorSicket colorFixering colorSicket colorFixering colorSicket colorCondition colorSicket colorFixering colorSicket colorConnector colorSicket colorFixering colorSicket colorColorSicket colorFixering colorSicket colorColorSicket colorColorSicket colorColorSicket colorColorSicket colorColorSicket colorColorSicket colorColorSicket colorColorSicket colorSicket colorSicket colorColorSicket color	Connection type head B	Flying leads
Connector ofBakConnector ofBakLocking nut materialColacest, nickle-platedTigtening torque0.4 NaCableSinser of Colacest, nickle-platedLocking nut materialORLocket colarSinser of Colacest, nickle-platedLocket colarSinser of Colacest, nickle-platedLocket colarSinser of Colacest, nickle-platedConduct cross sectionSinser of Colacest, nickle-platedLocket colarSinser of Colacest, nickle-	Locking plug connector	Screw connection
Locking number of the second	Connector material	TPU
Tabe0.4 NmCabe0.4 Surve, PURJacket material0.4 ReJacket color0.6 NmCabe diameter8 NmConduct orces section0.4 Surve, Pure NmShelding0.4 Surve, Pure NmShelding5 Surve, Pure NmFerstione15 Surve, Pure NmTarge fixed orces0.5 Surve, Pure NmFerstione15 Surve, Pure NmShelding colores0.5 Surve, Pure NmFerstione15 Surve, Pure NmFerstione15 Surve, Pure NmStanding colores0.5 Surve, Pure NmSurve, Pure Nm0.5 Surve, Pure NmStanding colores0.5 Surve, Pure NmSurve, Pure Nm0.5 Surve, Pure NmStanding colores0.5 Surve, Pure NmSurve, Pure Nm0.5 Surve, Pure NmStanding colores0.5 Surve, Pure NmSurve, Pure Nm0.5 Surve, Pure Nm	Connector color	Black
cale0.00000000000000000000000000000000000	Locking nut material	Zinc die-cast, nickel-plated
Jaket materialPikJaket colorGeenCable dameter8mColuctor cross section3 2x 0.22 mm²SheldingSkoledBending radius> 5k cable diameterTestelse> 15 cable diameterToge chain operation> 15 cable diameterBending cycles> 15 cable diameterToge chain operation> 15 cable diameterBending cycles> 15 cable diameterToge chain operation> 15 cable diameterBending cycles> 15 cable diameterToge chain operation> 15 cable diameterToge chain operation> 15 cable diameterBending cycles> 15 cable diameterCartent operation> 15 cable diameterToge chain operation> 15 cable diameterStanding chain operation> 15 cable diameterStandi	Tightening torque	0.4 Nm
Jaket olorGeenCable dameterSmConduct cross sectionSt 2x 0.22 mm²SheldingSt 2x 0.22 mm²SheldingSheldaBending radiusSt 2x 0.22 mm²FreixeleSt 2x 0.24 mm²Torge characterSt 2x 0.24 mm²Darge characterSt 2x 0.24 mm²Bending cycleSt 2x 0.24 mm²Bending cycleSt 2x 0.24 mm²Bending cycleSt 2x 0.24 mm²Carento damingSt 2x 0.24 mm²Toreling distanceSt 2x 0.24 mm²SignaltypeSt 2x 0.24 mm²AplicationSt 2x 0.24	Cable	10 m, 5-wire, PUR
Cable diameter8 maConductor cross section8 2 x 0 x 0 x m 3Shelding5 x 0 x 0 x m 3Shelding5 x 0 x 0 x m 3Bending radius5 x 0 x 0 x m 3Free Torge	Jacket material	PUR
Conductor cross sectionSix 2 x 0.22 mm²SheldingSix dolaShelding radiusSix additameterFlexibititySix Sabel diameterDarg chain opperSix AdditameterBending sectionSix ColorReference voltageSix ColorCurrent loadingSix AdditameterTaversing specificSix ColorAdelerationSix ColorSignal typeSix ColorAppleationSix ColorAppleation	Jacket color	Green
ShieldingBieldingBending radius-Florition> 15 xaloi diameterDrag chain operation> 15 xaloi diameterBending cycles> 500,000Reference voltage-Current loading-Gardon Control> 600,000Taversing speed-Acceleration-Sing loading-Acceleration-Application-Applecation- <th>Cable diameter</th> <th>8 mm</th>	Cable diameter	8 mm
Bending radiusConstant of the second sec	Conductor cross section	3 x 2 x 0.22 mm ²
Fixibition15 xole diameterDrag chain opper15 xole diameterBending cycles500,000Reference voltage-2 60 VA/DCC600 VA/DCCCurrent loading0.00,000Taverling distance0.00,000Acceleration0.00,000Signal type0.00,000Aplication0.00,000Aplication0.00,000Fixeling0.00,000Anon0.00,000Aplication0.00,000Application0.00,000Aplication0.00,000Aplication0.00,000Application0.00,000Application0.00,000Application0.00,000Application0.00,000Application0.00,000Application0.00,000Applica	Shielding	Shielded
Drag chain openStackale definitionBending cycles500,000Reference voltage600,000Current loading600,000Taversing speed600,000Taversing distance100,000Acceleration30,000Signal type600,000Application100,000Application100,000Anone100,0	Bending radius	
Bending cycles5,000,000Reference voltage	Flexible use	> 15 x cable diameter
Reference voltage = 60 V AC/DC Current loading 4 mA Taversing speed 1.6 m/s Taveling distance 10 m Acceleration 2 3 m/s ² Signal type Indexton Application Dag chain operation Application Dag chain operation Anbient operating temperature Flexible to Flexible to	Drag chain operation	> 15 x cable diameter
i do NacionalCurrent loadingAnATraversing speed16 n/sTraveling distance0 nAcceleration3 n/s²Signal typeIcrosonApplicationDig chain operationApplicationDig chain operationAnother typeDig chain operationAmbient operating temperatureIcrosonFixelbaneIcrosonAnother typeDig chain operationAnother typeDig chain operatio	Bending cycles	5,000,000
Current loading4 mATaversing speed16 m/sTaveling distance10 mAcceleration3 m/s²Signal typeMonoscientApplicationDis distanceApplicationDis distanceAnoscient and typeDis distanceAmbient operating temperatureSignal typeFlexible toSignal typeAnoscient and typeSignal typeAmbient operating temperatureSignal typeFlexible toSignal typeStationary operationSignal typeStationary opera	Reference voltage	
Traversing speed1.6 m/sTraveling distance1.0 mAcceleration3 m/s ² Signal type.6 m/sApplicationDrag chain operationFactosure rating.6 m/sMathematication.6 m/sFlexible mathematication.6 m/sStationary between the stationary operation.6 m/sStationary between the stationary operationary operation		≤ 60 V AC/DC
Travelling distance10 mAcceleration53 m/s²Signal typeInterbusApplicationDag chain operationEnclosure ratingPo5/ P67Ambient operating temperature-30 °C +70 °CFlexible us-40 °C +80 °C	Current loading	4 mA
AccelerationSimilar Similar S	Traversing speed	1.6 m/s
Signal type Interbase Application Dag chain operation Enclosure rating De5/ De67 Ambient operating temperature	Travelling distance	10 m
ApplicationDisplacementEnclosure ratingDisplacementAmbient operating temperature	Acceleration	≤ 3 m/s²
Enclosure rating P65/ P67 Ambient operating temperature	Signal type	Interbus
Ambient operating temperature Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C	Application	Drag chain operation
Flexible use-30 °C +70 °CStationary position-40 °C +80 °C	Enclosure rating	IP65/ IP67
Stationary position -40 °C +80 °C	Ambient operating temperature	
	Flexible use	-30 °C +70 °C
	Stationary position	-40 °C +80 °C
Head -25 °C +90 °C	Head	-25 °C +90 °C

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Contamination rating	3
Insulation resistance	100 ΜΩ
Overvoltage category	П
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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For us, that is "Sensor Intelligence."

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