

YG2B25-050IB1XLEAX

Industrial Ethernet cables and fieldbus cables



Ordering information

Туре	Part no.
YG2B25-050IB1XLEAX	2109202

Other models and accessories \rightarrow www.sick.com/Industrial_Ethernet_cables_and_fieldbus_cables

Detailed technical data

Technical specifications

Connection type head A Female connector, M12, 5 pin, angled, B 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 Use die Gast, nickel plated Consector Cable 5 m, 5 wire, PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use > 15 x cable diameter Bending cycles 5,000,000 Reference voltage < 60 V AC/DC	reclinical specifications	
Screw connection	Connection type head A	Female connector, M12, 5-pin, angled, B-coded
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Flexible use > 15 x cable diameter Proag chain operation > 15 x cable diameter Spoot,000 Sectionary speed 5,000,000 Reference voltage ≤ 60 v AC/DC Current loading 4 mA 4 mA Travesling speed 1.6 m/s 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C Stationary position -40 °C +80 °C -40 °C	Connection type head B	Flying leads
Connector color Locking nut material Zinc die cast, nickel-plated Jightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Bending radius Flexible use Drag chain operation Porag chain operation Serenee voltage 60 V AC/DC Current loading Traversing speed Traversing speed Travelling distance Acceleration Signal type Application Enclosure rating Operating temperature Flexible use Flexible use Sitationary position Head Contamination rating 3 3	Locking plug connector	Screw connection
Locking nut material Zinc die-cast, nickel-plated	Connector material	TPU
Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Drag chain operation > 15 x cable diameter Drag chain operation > 15 x cable diameter Shielding cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Travelring speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/IP67 Operating temperature -30 °C +70 °C Flexible use -30 °C +80 °C Stationary position -40 °C +80 °C -25 °C +90 °C Contamination rating 3	Connector color	Black
Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Drag chain operation Drag chain operation > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 1.0 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position -40 °C +70 °C +80 °C +80 °C +90 °C Contamination rating 3	Locking nut material	Zinc die-cast, nickel-plated
Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Drag chain operation > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position -40 °C +80 °C Head -25 °C +90 °C Contamination rating 3	Tightening torque	0.4 Nm
Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Prag chain operation > 15 x cable diameter Drag chain operation > 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position -30 °C +70 °C Head -25 °C +90 °C Contamination rating 3	Cable	5 m, 5-wire, PUR
Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use billion operation progration programment	Jacket material	PUR
Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius > 15 x cable diameter Prag chain operation > 15 x cable diameter 5,000,000 > 10 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position -40 °C +70 °C -40 °C +80 °C -40 °C +80 °C -40 °C +80 °C -40 °C +90 °C Contamination rating 3	Jacket color	Green
Shielding Bending radius Flexible use Drag chain operation 15 x cable diameter 2 15 x cable diameter 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating DP65/ IP67 Operating temperature -30 °C +70 °C Chotamination rating 3	Cable diameter	8 mm
Plexible use Drag chain operation Drag	Conductor cross section	3 x 2 x 0.22 mm ²
Flexible use Drag chain operation Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating Dreating temperature Flexible use −30 °C +70 °C Stationary position Head Contamination rating 3	Shielding	Shielded
Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C -25 °C +90 °C Contamination rating 3	Bending radius	
Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C -40 °C +80 °C -40 °C +90 °C Contamination rating 3	Flexible use	> 15 x cable diameter
Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Enclosure rating Operating temperature Flexible use Stationary position Head Contamination rating ≤ 60 V AC/DC A mA Flexible use Signal type 10 m Flexible use Signal type Flexible use -30 °C +70 °C -40 °C +80 °C -25 °C +90 °C Contamination rating	Drag chain operation	> 15 x cable diameter
\(\leq \text{60 V AC/DC} \) Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration \(\leq \text{3 m/s}^2 \) Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C -25 °C +90 °C Contamination rating 3	Bending cycles	5,000,000
Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position -40 °C +70 °C -40 °C +80 °C -25 °C +90 °C Contamination rating 3	Reference voltage	
Traversing speed Travelling distance 10 m Acceleration Signal type Interbus Application Enclosure rating Operating temperature Flexible use Stationary position Head Head Contamination rating 1.6 m/s 10 m 10		≤ 60 V AC/DC
Travelling distance Acceleration ≤ 3 m/s² Signal type Interbus Application Enclosure rating Operating temperature Flexible use Stationary position Head Contamination rating 10 m 1	Current loading	4 mA
Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C -25 °C +90 °C Contamination rating 3	Traversing speed	1.6 m/s
Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position Head Contamination rating Interbus Interbus Drag chain operation IP65/ IP67 Operating temperature -30 °C +70 °C -40 °C +80 °C -25 °C +90 °C 3	Travelling distance	10 m
Application Enclosure rating Operating temperature Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C Head -25 °C +90 °C Contamination rating Drag chain operation IP65/ IP67 Operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C -25 °C +90 °C	Acceleration	≤ 3 m/s²
Enclosure ratingIP65/ IP67Operating temperatureFlexible use-30 °C +70 °CStationary position-40 °C +80 °CHead-25 °C +90 °CContamination rating3	Signal type	Interbus
Operating temperature Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C Head -25 °C +90 °C Contamination rating 3	Application	Drag chain operation
Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C Head -25 °C +90 °C Contamination rating 3	Enclosure rating	IP65/ IP67
Stationary position -40 °C +80 °C Head -25 °C +90 °C Contamination rating 3	Operating temperature	
Head -25 °C +90 °C Contamination rating 3	Flexible use	-30 °C +70 °C
Contamination rating 3		
Insulation resistance $100 \text{ M}\Omega$		
	Insulation resistance	100 ΜΩ

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Overvoltage category	II
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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