

AHS36B-S3JC004096

AHS/AHM36

ABSOLUTE ENCODERS



Ordering information

Туре	Part no.
AHS36B-S3JC004096	1117924

Other models and accessories → www.sick.com/AHS_AHM36

Illustration may differ









Detailed technical data

Performance

Number of steps per revolution (max. resolution)	4,096 (12 bit)
Error limits G	0.35° (at 20 °C) ¹⁾
Repeatability standard deviation $\boldsymbol{\sigma}_{r}$	0.25° (at 20 °C) ²⁾

¹⁾ In accordance with DIN ISO 1319-1, position of the upper and lower error limit depends on the installation situation, specified value refers to a symmetrical position, i.e. deviation in upper and lower direction is the same.

Interfaces

Communication interface	SAE J1939		
Address setting	0 253, (Address Claiming: 0240) default: 224		
Data transmission rate (baud rate)	125 kbit/s, 250 kbit/s, 500 kbit/s, default: 250 kbit/s		
Initialization time	2 s ¹⁾		
Process data	Position, speed, Temperature		
Parameterising data	Number of steps per revolution PRESET Counting direction Sampling rate for speed calculation Unit for output of the speed value		
Status information	CAN status via status LED		
Bus termination	Via external terminator ²⁾		

 $^{^{1)}}$ Valid positional data can be read once this time has elapsed.

Electrical data

Connection type	Male connector, M12, 5-pin, universal
Supply voltage	10 30 V

¹⁾ This product is a standard product and does not constitute a safety component as defined in the Machinery Directive. Calculation based on nominal load of components, average ambient temperature 40°C, frequency of use 8760 h/a. All electronic failures are considered hazardous. For more information, see document no. 8015532.

 $^{^{2)}}$ In accordance with DIN ISO 55350-13; 68.3% of the measured values are inside the specified area.

²⁾ See accessories.

Power consumption	≤ 1.5 W (without load)
Reverse polarity protection	✓
MTTFd: mean time to dangerous failure	270 years (EN ISO 13849-1) ¹⁾

¹⁾ This product is a standard product and does not constitute a safety component as defined in the Machinery Directive. Calculation based on nominal load of components, average ambient temperature 40 °C, frequency of use 8760 h/a. All electronic failures are considered hazardous. For more information, see document no. 8015532.

Mechanical data

Mechanical design	Solid shaft, face mount flange
Shaft diameter	6 mm
Shaft length	12 mm
Weight	$0.12 \text{kg}^{ 1)}$
Shaft material	Stainless steel
Flange material	Aluminum
Housing material	Zinc
Start up torque	0.5 Ncm (+20 °C)
Operating torque	< 0.5 Ncm (+20 °C)
Permissible shaft loading	40 N (radial) 20 N (axial)
Operating speed	≤ 9,000 min ^{-1 2)}
Moment of inertia of the rotor	2.5 gcm ²
Bearing lifetime	3.6 x 10^8 revolutions
Angular acceleration	≤ 500,000 rad/s²

 $^{^{1)}}$ Based on devices with male connector.

Ambient data

ЕМС	According to EN 61000-6-2 and EN 61000-6-3
Enclosure rating	IP65 (IEC 60529)
Permissible relative humidity	90 % (Condensation not permitted)
Operating temperature range	-20 °C +70 °C
Storage temperature range	-40 °C +100 °C, without package
Resistance to shocks	100 g, 6 ms (EN 60068-2-27)
Resistance to vibration	20 g, 10 Hz 2,000 Hz (EN 60068-2-6)

Classifications

ECLASS 5.0	27270502
ECLASS 5.1.4	27270502
ECLASS 6.0	27270590
ECLASS 6.2	27270590
ECLASS 7.0	27270502
ECLASS 8.0	27270502
ECLASS 8.1	27270502
ECLASS 9.0	27270502

 $^{^{2)}}$ Allow for self-heating of 3.5 K per 1,000 rpm when designing the operating temperature range.

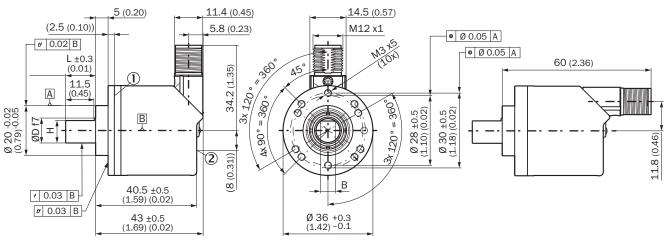
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ECLASS 10.0	27270502
ECLASS 11.0	27270502
ECLASS 12.0	27270502
ETIM 5.0	EC001486
ETIM 6.0	EC001486
ETIM 7.0	EC001486
ETIM 8.0	EC001486
UNSPSC 16.0901	41112113

Dimensional drawing (Dimensions in mm (inch))

Solid shaft, face mount flange, male connector

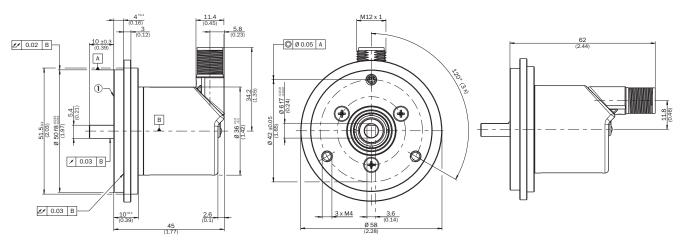


- ① Measuring point for operating temperature
- Measuring point for vibrations

Туре	Shaft diameter Ø D f7	В	н
AHx36x-S1xxxxxxxx AHx36x-S3xxxxxxxx	6 mm	3,6 mm	5,4 mm
AHx36x-S9xxxxxxxx AHx36x-S5xxxxxxxxx	8 mm	3,9 mm	7,5 mm
AHx36x-S2xxxxxxxx AHx36x-S4xxxxxxxx AHx36x-SCxxxxxxxxx	10 mm	6 mm	9 mm
AHx36x-SAxxxxxxxx AHx36x-S8xxxxxxxx	1/4"	3,85 mm	5,7 mm
AHx36x-SBxxxxxxxx AHx36x-S7xxxxxxxx	3/8"	4,35 mm	9 mm

Attachment specifications

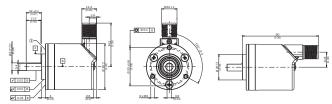
Solid shaft, face mount flange with flange adapter, centering collar D20 on D50 (BEF-FA-020-050, 2072297)



Order example for 6 mm shaft diameter: AHx36x-S3xx0xxxxx + BEF-FA-020-050 (adapter is not pre-assembled)

① Measuring point for operating temperature

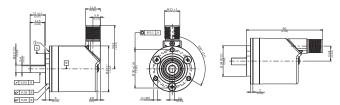
Solid shaft, face mount flange with flange adapter, centering collar D20 on D36, 2 mm high (BEF-FA-020-036-002, 2072296)



Order example for 6 mm shaft diameter: AHx36x-S3xx0xxxxx + BEF-FA-020-036-002 (adapter is not pre-assembled)

Measuring point for operating temperature

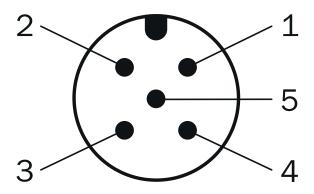
Solid shaft, face mount flange with flange adapter, centering collar D20 on D24 (BEF-FA-020-024, 2072294)



Order example for 6 mm shaft diameter: AHx36x-S3xx0xxxxx + BEF-FA-020-024 (adapter is not pre-assembled)

Measuring point for operating temperature

PIN assignment



PIN	Signal	Wire colors (cable connection)	Function
1	CAN Shield	White	Screen
2	VDC	Red	Supply voltage Encoder 10 V DC 30 V DC
3	GND/CAN GND	Blue	0 V (GND)
4	CAN high	Black	CAN signal
5	CAN low	Pink	CAN signal
Housing	-	-	Screen

Recommended accessories

Other models and accessories → www.sick.com/AHS_AHM36

	Brief description	Туре	Part no.			
Programming	Programming and configuration tools					
A S · S Y	Hand-held programming device for the programmable SICK AHS/AHM36 CANopen encoders, TMS/TMM61 CANopen inclination sensors, TMS/TMM88 CANopen, TMS/TMM88 Analog, and wire draw encoders with AHS/AHM36 CANopen. Compact dimensions, low weight, and intuitive operation.	PGT-12-Pro	1076313			
Distributors						
O.	Connection type head A: Female connector, M12, 5-pin, A-coded Connection type head B: Male connector, M12, 5-pin, A-coded Connection type head C: Female connector, M12, 5-pin, A-coded Description: T-piece for simultaneous connection to sender and receiver, splits the cable from the control cabinet to the sender and receiver Note: 5-pin	DSC- 1205T000025KM0	6030664			
1.68	 Connection type head A: Female connector, M12, 5-pin, straight, A-coded Connection type head B: Female connector, M12, 5-pin, straight, A-coded Signal type: CAN, Power Cable: 0.5 m, 5-wire Description: CAN, Power, Y-CAN cable 	Y-CAN cable	6027647			

Plug connectors and cables - Connection type head &: Female connector, M12, 5-pin, straight, A-coded - Connection type head B: Flying leads - Signal type: Fleidbus, CANopen, DeviceNet* - Cable: 2 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Connection type head B: Flying leads - Signal type: Fleidbus, CANopen, DeviceNet* - Connection type head B: Flying leads - Signal type: Fleidbus, CANopen, DeviceNet* - Connection type head B: Flying leads - Signal type: Fleidbus, CANopen, DeviceNet* - Cable: 5 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 5 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 5 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 10 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 10 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 10 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 2 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 2 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 2 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 2 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 2 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 5 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 5 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Cable: 5 m, 4-wire, PUR, halogen-free - Description: Fleidbus, CANopen, DeviceNet* - Signal type: CANopen, DeviceNet* - Signal type: CANopen, DeviceNet* - Signal type: CANopen, DeviceNet*		Brief description	Туре	Part no.		
• Connection type head B: Flying leads • Signal type: Fleidbus, CANopen, DeviceNet™ • Cable: 2 m. 4-wire, PUR, halogen-free • Description: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Flying leads • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Flying leads • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Flying leads • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Flying leads • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Female connector, M12, 5-pin, straight, A-coded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fleidbus, CANopen, DeviceNet™ • Cable: 5 m. 4-wire, PUR, halogen-free • Description: Fleidbus, CANopen, DeviceNet™ • Cable: 5 m. 4-wire, PUR, halogen-free • Description: Fleidbus, CANopen, DeviceNet™ • Cable: 5 m. 4-wire, PUR, halogen-free • Description: Fleidbus, CANopen, DeviceNet™ • Cable: 5 m. Fleidbus, CANopen, DeviceNet™ • Cable: 5 m. Fleidbus, CANopen, DeviceNet™ • Cable: 5 m. Flei	Plug connectors and cables					
• Connection type head B: Flying leads • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Fermale connector, M12, 5-pin, straight, A-coded • Connection type head B: Flying leads • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Flying leads • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fleidbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Fermale connector, M12, 5-pin, straight, A-coded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Fermale connector, M12, 5-pin, straight • Signal type: Fleidbus, CANopen, DeviceNet™, shielded, Head A: fermale connector, M12, 5-pin, straight • Description: CANopen, DeviceNet™, shielded, Head A: fermale connector, M12, 5-pin, straight • Connection type head A: Male	No	 Connection type head B: Flying leads Signal type: Fieldbus, CANopen, DeviceNet™ Cable: 2 m, 4-wire, PUR, halogen-free Description: Fieldbus, CANopen, DeviceNet™, shielded 		2106283		
Connection type head B: Flying leads Signal type: Fleidbus, CANopen, DeviceNet™ Cable: 10 m, 4-wire, PUR, halogen-free Description: Fieldbus, CANopen, DeviceNet™, shielded Application: Drag chain operation, Zones with oils and lubricants Connection type head A: Female connector, M12, 5-pin, straight, A-coded Signal type: Fleidbus, CANopen, DeviceNet™ Cable: 2 m, 4-wire, PUR, halogen-free Description: Fieldbus, CANopen, DeviceNet™ Connection type head A: Female connector, M12, 5-pin, straight, A-coded Application: Drag chain operation, Zones with oils and lubricants Connection type head B: Male connector, M12, 5-pin, straight, A-coded Application: Drag chain operation, Zones with oils and lubricants Connection type head B: Male connector, M12, 5-pin, straight, A-coded Signal type: Fleidbus, CANopen, DeviceNet™ Cable: 5 m, 4-wire, PUR, halogen-free Description: Fleidbus, CANopen, DeviceNet™ Cable: 10 m, 4-wire, PUR, halogen-free Description: Fleidbus, CANopen, DeviceNet™ Cable: 10 m, 4-wire, PUR, halogen-free Description: Fleidbus, CANopen, DeviceNet™ Cable: 10 m, 4-wire, PUR, halogen-free Description: Fleidbus, CANopen, DeviceNet™ Cable: 10 m, 4-wire, PUR, halogen-free Description: Fleidbus, CANopen, DeviceNet™ Signal type: Fleidbus, CANopen, DeviceNet™ Cable: 10 m, 4-wire, PUR, halogen-free Description: Fleidbus, CANopen, DeviceNet™ Description: Fleidbus, CANopen, DeviceNet™ Signal type: CANopen, DeviceNet™ Description: Fleidbus, CANopen, DeviceNet™ Description: Fleidbus, CANopen, DeviceNet™ Description: CANopen, DeviceNet™ Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™ Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™ Signal type: CANopen, DeviceNet™ Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™ Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™ Description: CANopen, DeviceNet™ Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™ Description: CANopen, DeviceNet™ Signal type: CANopen, DeviceNet™ Signal type: CANopen, DeviceNe		 Connection type head B: Flying leads Signal type: Fieldbus, CANopen, DeviceNet™ Cable: 5 m, 4-wire, PUR, halogen-free Description: Fieldbus, CANopen, DeviceNet™, shielded 		2106284		
• Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fieldbus, CANopen, DeviceNet™ • Cable: 2 m, 4-wire, PUR, halogen-free • Description: Fieldbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Female connector, M12, 5-pin, straight, A-coded • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fieldbus, CANopen, DeviceNet™ • Cable: 5 m, 4-wire, PUR, halogen-free • Description: Fieldbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Female connector, M12, 5-pin, straight, A-coded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Female connector, M12, 5-pin, straight, A-coded • Signal type: Fieldbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Female connector, M12, 5-pin, straight • Signal type: CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Female connector, M12, 5-pin, straight • Signal type: CANopen, DeviceNet™, shielded, Head A: female connector, M12, 5-pin, straight, shielded cross-section: ≤ 0.75 mm² • Connection type head A: Male connector, M12, 5-pin, straight, A-coded • Signal type: CANopen, DeviceNet™ • Description: CANopen, DeviceNet™ • Description: CANopen, DeviceNet™, shielded, Head A: male connector, M12, 5-pin,		 Connection type head B: Flying leads Signal type: Fieldbus, CANopen, DeviceNet™ Cable: 10 m, 4-wire, PUR, halogen-free Description: Fieldbus, CANopen, DeviceNet™, shielded 		2106286		
• Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fieldbus, CANopen, DeviceNet™ • Cable: 5 m, 4-wire, PUR, halogen-free • Description: Fieldbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Female connector, M12, 5-pin, straight, A-coded • Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fieldbus, CANopen, DeviceNet™ • Cable: 10 m, 4-wire, PUR, halogen-free • Description: Fieldbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Female connector, M12, 5-pin, straight • Signal type: CANopen, DeviceNet™ • Description: CANopen, DeviceNet™, shielded, Head A: female connector, M12, 5-pin, straight, shielded, for cable diameter 4.5 mm 7 mm Head B: - • Connection systems: Screw-type terminals • Permitted cross-section: ≤ 0.75 mm² • Connection type head A: Male connector, M12, 5-pin, straight, A-coded • Signal type: CANopen, DeviceNet™ • Description: CANopen, DeviceNet™ • Description: CANopen, DeviceNet™, shielded, Head A: male connector, M12, 5-pin,	1	 Connection type head B: Male connector, M12, 5-pin, straight, A-coded Signal type: Fieldbus, CANopen, DeviceNet™ Cable: 2 m, 4-wire, PUR, halogen-free Description: Fieldbus, CANopen, DeviceNet™, shielded 		2106279		
• Connection type head B: Male connector, M12, 5-pin, straight, A-coded • Signal type: Fieldbus, CANopen, DeviceNet™ • Cable: 10 m, 4-wire, PUR, halogen-free • Description: Fieldbus, CANopen, DeviceNet™, shielded • Application: Drag chain operation, Zones with oils and lubricants • Connection type head A: Female connector, M12, 5-pin, straight • Signal type: CANopen, DeviceNet™ • Description: CANopen, DeviceNet™, shielded, Head A: female connector, M12, 5-pin, straight, shielded, for cable diameter 4.5 mm 7 mm Head B: - • Connection systems: Screw-type terminals • Permitted cross-section: ≤ 0.75 mm² • Connection type head A: Male connector, M12, 5-pin, straight, A-coded • Signal type: CANopen, DeviceNet™ • Description: CANopen, DeviceNet™ • Description: CANopen, DeviceNet™, shielded, Head A: male connector, M12, 5-pin,		 Connection type head B: Male connector, M12, 5-pin, straight, A-coded Signal type: Fieldbus, CANopen, DeviceNet™ Cable: 5 m, 4-wire, PUR, halogen-free Description: Fieldbus, CANopen, DeviceNet™, shielded 		2106281		
Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™, shielded, Head A: female connector, M12, 5-pin, straight, shielded, for cable diameter 4.5 mm 7 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm² Connection type head A: Male connector, M12, 5-pin, straight, A-coded Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™, shielded, Head A: male connector, M12, 5-pin,		 Connection type head B: Male connector, M12, 5-pin, straight, A-coded Signal type: Fieldbus, CANopen, DeviceNet™ Cable: 10 m, 4-wire, PUR, halogen-free Description: Fieldbus, CANopen, DeviceNet™, shielded 		2106282		
 Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™, shielded, Head A: male connector, M12, 5-pin, 		 Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™, shielded, Head A: female connector, M12, 5-pin, straight, shielded, for cable diameter 4.5 mm 7 mm Head B: - Connection systems: Screw-type terminals 	DOS-1205-GA	6027534		
straight, A coded, shielded, for cable diameter 4 mm 8 mm Head B: - • Connection systems: Screw-type terminals • Permitted cross-section: ≤ 0.75 mm²	Co	 Signal type: CANopen, DeviceNet™ Description: CANopen, DeviceNet™, shielded, Head A: male connector, M12, 5-pin, straight, A coded, shielded, for cable diameter 4 mm 8 mm Head B: - Connection systems: Screw-type terminals 	STE-1205-GA	6027533		
Shaft adaptation						
Bellows coupling, shaft diameter 6 mm / 6 mm, maximum shaft offset: radial ± 0.25 mm, axial ± 0.4 mm, angular +/- 4°; max. speed 10,000 rpm, -30 °C to +120 °C, max. torque 120 Ncm; material: stainless steel bellows, aluminum hub		0.25 mm, axial \pm 0.4 mm, angular +/- 4°; max. speed 10,000 rpm, -30 °C to +120 °C,	KUP-0606-B	5312981		
Bellows coupling, shaft diameter 6 mm $/$ 10 mm, maximum shaft offset: radial \pm 0.25 mm, axial \pm 0.4 mm, angular +/- 4°; max. speed 10,000 rpm, -30 °C to +120 °C, max. torque 120 Ncm; material: stainless steel bellows, aluminum hub		0.25 mm, axial \pm 0.4 mm, angular +/- 4°; max. speed 10,000 rpm, -30 °C to +120 °C,	KUP-0610-B	5312982		
Double loop coupling, shaft diameter 6 mm / 10 mm, max. shaft offset: radially +/- 2,5 mm, axially +/-3 mm, angle +/- 10 degrees;max. speed 3.000 rpm, -30 to +80 degrees Celsius, torsional spring stiffness of 25 Nm/rad	10	2,5 mm, axially +/-3 mm, angle +/- 10 degrees;max. speed 3.000 rpm, -30 to $+80$ de-	KUP-0610-D	5326697		

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	Brief description	Туре	Part no.
	Spring washer coupling, shaft diameter 6 mm $/$ 10 mm, Maximum shaft offset: radial +/- 0.3 mm, axial +/- 0.4 mm, angular +/- 2.5°; max. speed 12,000 rpm, -10° to +80 °C, max. torque 60 Ncm; material: aluminum flange, glass fiber-reinforced polyamide membrane and hardened steel coupling pin	KUP-0610-F	5312985
	Claw coupling, shaft diameter 6 mm / 10 mm, damping element 80 shore blue, maximum shaft offset: radial \pm 0.22 mm, axial \pm 1 mm angular \pm 1.3°, max. speed 19,000 rpm, angle of twist max. 10°, –30 °C to +80 °C, max. torque 800 Ncm, tightening torque of screws: ISO 4029 150 Ncm, material: aluminum flange, damping element: polyurethane	KUP-0610-J	2127056
Others			
	Connection type head A: Flying leads Connection type head B: Flying leads Signal type: CANopen, DeviceNet™ Cable: 4-wire, twisted pair Description: CANopen, DeviceNet™, shielded Note: Wire shield Al-Pt film, overall shield C-screen tin-plated Items supplied: By the meter	LTG-2804-MW	6028328
	 Connection type head A: Male connector, M12, 5-pin, straight Signal type: CANopen Description: CANopen, unshielded, CAN male connector, with terminating resistor 	CAN male connector	6021167
The state of the s	 Connection type head A: Female connector, M12, 5-pin, straight Connection type head B: Female connector, D-Sub, 9-pin, straight Signal type: CANopen Description: CANopen, shielded, Adapter cable for encoders and inclination sensors with CANopen interface and M12 Note: Programming adapter cable for programming tool PGT-12-Pro 	DDL-2D05-G0M5BC9	2083805

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:

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