



AHS36I-S2QM016384

AHS/AHM36

ABSOLUTE ENCODERS

SICK
Sensor Intelligence.



Illustration may differ



Ordering information

Type	part no.
AHS36I-S2QM016384	1093795

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

Detailed technical data

Safety-related parameters

MTTF_D (mean time to dangerous failure)	240 years (EN ISO 13849-1)
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Performance

Number of steps per revolution (max. resolution)	16,384 (14 bit)
Error limits G	0.35° (at 20 °C) ¹⁾
Repeatability standard deviation σ_r	0.2° (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.

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

Interfaces

Communication interface	IO-Link
Communication Interface detail	IO-Link V1.1 / COM3 (230,4 kBaud)
Initialization time	2 s ¹⁾
Cycle time	≤ 3.2 ms
Smart Sensor	Efficient communication, Enhanced Sensing, diagnosis
Process data	Position, speed, electronic cams, limit values, linear position, linear speed, errors and warnings, switching signals on pin 2
Parameterising data	Number of steps per revolution PRESET Counting direction Sampling rate for speed calculation Unit for output of the speed value Electronic cams(2 channels x 8 cams) Limit values Linear measuring length per 360° Pin 2 configuration

¹⁾ Valid positional data can be read once this time has elapsed.

Available diagnostics data	Minimum and maximum temperature Maximum speed Power-on counter Operating hours counter power-on/motion Counter of direction changes/number of movements cw/number of movements ccw Minimum and maximum operating voltage Distance covered
Status information	Via status LED
Switching input/Switching output	✓
Pin 2 input frequency	≤ 100 Hz
Output frequency pin 2	≤ 100 Hz

¹⁾ Valid positional data can be read once this time has elapsed.

Electronics

Connection type	Cable, 4-wire, universal, 5 m
Supply voltage	18 ... 30 V
Power consumption	≤ 1.5 W
Reverse polarity protection	✓

Mechanics

Mechanical design	Solid shaft, Servo flange
Shaft diameter	10 mm
Shaft length	12 mm
Characteristics of the shaft	With flat
Weight	0.2 kg, Based on devices with male connector
Shaft material	Stainless steel 1,4305
Flange material	Stainless steel 1,4305
Housing material	Stainless steel 1,4305
Material, cable	PUR
Start up torque	≤ 1 Ncm ¹⁾
Operating torque	≤ 1 Ncm ¹⁾
Permissible shaft loading	40 N (radial) 20 N (axial)
Operating speed	≤ 6,000 min ⁻¹
Moment of inertia of the rotor	2.5 gcm ²
Bearing lifetime	3.6 x 10 ⁸ revolutions
Angular acceleration	≤ 500,000 rad/s ²

¹⁾ At 20 °C.

Ambient data

EMC	According to EN 61000-6-2, EN 61000-6-3 and EN 61131-9
Enclosure rating	IP67 (IEC 60529) IP69K (IEC 60529)
Permissible relative humidity	90 % (Condensation not permitted)
Operating temperature range	-40 °C ... +85 °C
Storage temperature range	-40 °C ... +100 °C, Without packaging

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)

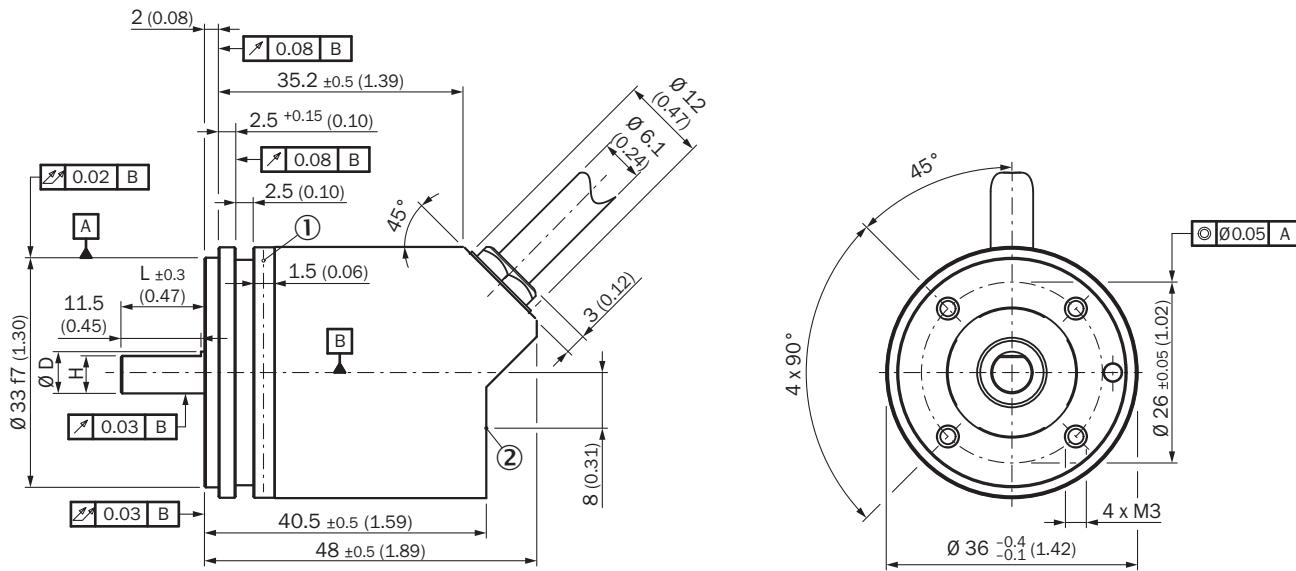
Classifications

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
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

Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
Moroccan declaration of conformity	✓
China-RoHS	✓
cTUVus certificate	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓

Dimensional drawing Solid shaft, servo flange, cable



Dimensions in mm (inch)

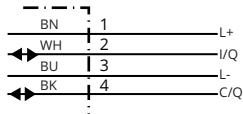
Non-tolerated dimensions according to DIN-ISO 2768-mk

① Measuring point for operating temperature

② measuring point for vibrations

Type	Shaft diameter \varnothing D f7	B	H
AHx36x-S1xxxxxxxxAHx36x-S3xxxxxxxx	6 mm	3,6 mm	5,4 mm
AHx36x-S9xxxxxxxxAHx36x-S5xxxxxxxx	8 mm	3,9 mm	7,5 mm
AHx36x-S2xxxxxxxxAHx36x-S4xxxxxxxxAHx36x-SCxxxxxxxx	10 mm	6 mm	9 mm
AHx36x-SAxxxxxxxxxAHx36x-S8xxxxxxxx	1/4"	3,85 mm	5,7 mm
AHx36x-SBxxxxxxxxAHx36x-S7xxxxxxxx	3/8"	4,35 mm	9 mm

Anschlussbelegung



PIN	Wire color	Signal	Function				
-	-	-	Basic	Advanced	Advanced Smart Task		
1	Brown	L+	Encoder supply voltage 18-30 V (+Us)				
2	White	I/Q	Not connect-ed - no function	Multifunctional pin (configurable as switching input or switching output)			
3	Blue	L-	Encoder supply voltage 0 V (GND)				
4	Black	C/Q	IO-Link communication				
		-	Switching out-put (SIO mode)				

Recommended accessories

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

	Brief description	Type	part no.
connectors and cables			
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, straightConnection type head B: Flying leadsSignal type: Sensor/actuator cableCable: 2 m, 4-wire, PVCDescription: Sensor/actuator cable, unshieldedConnection systems: Flying leadsNote: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones	DOL-1204-G02MNI	6052613
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, angledConnection type head B: Flying leadsSignal type: Sensor/actuator cableCable: 2 m, 4-wire, PVCDescription: Sensor/actuator cable, unshieldedConnection systems: Flying leadsNote: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones	DOL-1204-W02MNI	6052614
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, straightConnection type head B: Flying leadsSignal type: Sensor/actuator cableCable: 5 m, 4-wire, PVCDescription: Sensor/actuator cable, unshieldedConnection systems: Flying leadsNote: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones	DOL-1204-G05MNI	6052615
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, angledConnection type head B: Flying leadsSignal type: Sensor/actuator cableCable: 5 m, 4-wire, PVCDescription: Sensor/actuator cable, unshieldedConnection systems: Flying leadsNote: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones	DOL-1204-W05MNI	6052616
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, straightConnection type head B: Flying leadsSignal type: Sensor/actuator cableCable: 10 m, 4-wire, PVCDescription: Sensor/actuator cable, unshieldedConnection systems: Flying leadsNote: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones	DOL-1204-G10MNI	6052617
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, angledConnection type head B: Flying leadsSignal type: Sensor/actuator cableCable: 10 m, 4-wire, PVCDescription: Sensor/actuator cable, unshieldedConnection systems: Flying leadsNote: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones	DOL-1204-W10MNI	6052618
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, straightConnection type head B: Male connector, M12, 4-pin, straightSignal type: Sensor/actuator cableCable: 2 m, 4-wire, PVCDescription: Sensor/actuator cable, unshielded	DSL-1204-G02MNI	6052630

	Brief description	Type	part no.
	<ul style="list-style-type: none"> Note: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones Connection type head A: Female connector, M12, 4-pin, straight Connection type head B: Male connector, M12, 4-pin, straight Signal type: Sensor/actuator cable Cable: 5 m, 4-wire, PVC Description: Sensor/actuator cable, unshielded Note: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones 	DSL-1204-G05MNI	6052631
	<ul style="list-style-type: none"> Connection type head A: Female connector, M12, 4-pin, angled Connection type head B: Male connector, M12, 4-pin, straight Signal type: Sensor/actuator cable Cable: 2 m, 4-wire, PVC Description: Sensor/actuator cable, unshielded Note: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones 	DSL-1204-B02MNI	6052633
	<ul style="list-style-type: none"> Connection type head A: Female connector, M12, 4-pin, angled Connection type head B: Male connector, M12, 4-pin, straight Signal type: Sensor/actuator cable Cable: 5 m, 4-wire, PVC Description: Sensor/actuator cable, unshielded Note: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones 	DSL-1204-B05MNI	6052634
	<ul style="list-style-type: none"> Connection type head A: Female connector, M12, 4-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 2 m, 4-wire, PP Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones, Drag chain operation 	DOL-1204-G02MRN	6058291
	<ul style="list-style-type: none"> Connection type head A: Female connector, M12, 4-pin, angled Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 2 m, 4-wire, PP Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones, Drag chain operation 	DOL-1204-W02MRN	6058474
	<ul style="list-style-type: none"> Connection type head A: Female connector, M12, 4-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 5 m, 4-wire, PP Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones, Drag chain operation 	DOL-1204-G05MRN	6058476
	<ul style="list-style-type: none"> Connection type head A: Female connector, M12, 4-pin, angled Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 5 m, 4-wire, PP Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the 	DOL-1204-W05MRN	6058477

	Brief description	Type	part no.
	<p>material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)</p> <ul style="list-style-type: none">Application: Hygienic and washdown zones, Drag chain operation		
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, straightConnection type head B: Flying leadsSignal type: Sensor/actuator cableCable: 10 m, 4-wire, PPDescription: Sensor/actuator cable, unshieldedConnection systems: Flying leadsNote: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones, Drag chain operation	DOL-1204-G10MRN	6058478
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, angledConnection type head B: Flying leadsSignal type: Sensor/actuator cableCable: 10 m, 4-wire, PPDescription: Sensor/actuator cable, unshieldedConnection systems: Flying leadsNote: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones, Drag chain operation	DOL-1204-W10MRN	6058479
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, straightConnection type head B: Male connector, M12, 4-pin, straightSignal type: Sensor/actuator cableCable: 2 m, 4-wire, PPDescription: Sensor/actuator cable, unshieldedNote: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones, Drag chain operation	DSL-1204-G02MRN	6058499
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, straightConnection type head B: Male connector, M12, 4-pin, straightSignal type: Sensor/actuator cableCable: 5 m, 4-wire, PPDescription: Sensor/actuator cable, unshieldedNote: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones, Drag chain operation	DSL-1204-G05MRN	6058500
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, angledConnection type head B: Male connector, M12, 4-pin, straightSignal type: Sensor/actuator cableCable: 2 m, 4-wire, PPDescription: Sensor/actuator cable, unshieldedNote: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones, Drag chain operation	DSL-1204-B02MRN	6058502
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, angledConnection type head B: Male connector, M12, 4-pin, straightSignal type: Sensor/actuator cableCable: 5 m, 4-wire, PPDescription: Sensor/actuator cable, unshieldedNote: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)Application: Hygienic and washdown zones, Drag chain operation	DSL-1204-B05MRN	6058503
	<ul style="list-style-type: none">Connection type head A: Female connector, M12, 4-pin, straightConnection type head B: Male connector, M12, 4-pin, straightSignal type: Sensor/actuator cableCable: 20 m, 4-wire, PPDescription: Sensor/actuator cable, unshieldedNote: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the	YF2AP4-020PA2M2AP4	2143765

	Brief description	Type	part no.
	<p>material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)</p> <ul style="list-style-type: none"> Application: Hygienic and washdown zones, Drag chain operation <p> Connection type head A: Female connector, M12, 4-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 30 m, 4-wire, PP Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones, Drag chain operation </p>	YF2AP4-300PA2XLEAX	2146867

Mounting systems

	<ul style="list-style-type: none"> Description: Servo clamps, small, for servo flange (clamps, eccentric fastener), 3 pcs, without mounting material Items supplied: Without mounting hardware 	BEF-WK-RESOL	2039082
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	Brief description	Type	part no.
shaft adaptation			
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Bellows coupling, shaft diameter 6 mm / 10 mm, maximum shaft offset: radial \pm 0.25 mm, axial \pm 0.4 mm, angular \pm 4°; max. speed 10,000 rpm, -30 °C to +120 °C, max. torque 120 Ncm; material: stainless steel bellows, aluminum hub	KUP-0610-B	5312982
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Bellows coupling, shaft diameter 10 mm/10 mm; maximum shaft offset: radial \pm 0.25 mm, axial \pm 0.4 mm, angular \pm 4°; max. revolutions 10,000 rpm, -30° to +120 °C, max. torque 120 Ncm; material: stainless steel bellows, aluminum clamping hubs	KUP-1010-B	5312983
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Double loop coupling, shaft diameter 10 mm / 12 mm, Maximum shaft offset: radial \pm 2.5 mm, axial \pm 3 mm, angular \pm 10°; max. speed 3,000 rpm, -30° to +80 °C, max. torque 1.5 Nm; material: polyurethane, galvanized steel flange	KUP-1012-D	5326702
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Double loop coupling, shaft diameter 10 mm / 10 mm, Maximum shaft offset: radial \pm 2.5 mm, axial \pm 3 mm, angular \pm 10°; max. speed 3,000 rpm, -30° to +80 °C, max. torque 1.5 Nm; material: polyurethane, galvanized steel flange	KUP-1010-D	5326703
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Spring washer coupling, shaft diameter 10 mm / 10 mm, maximum shaft offset, radial \pm 0.3 mm, axial \pm 0.4 mm, angle \pm 2.5°, torsion spring stiffness 30 Nm/rad; material: aluminum flange, glass-fiber reinforced polyamide membrane and hardened steel coupling pin	KUP-1010-F	5312986
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: 10 mm / 12 mm; maximum shaft offset: radial \pm 0.25 mm, axial \pm 0.4 mm, angular \pm 4°; max. revolutions 10,000 rpm, -30° to +120 °C, max. torque 120 Ncm; material: stainless steel bellows, aluminum clamping hubs	KUP-1012-B	5312984
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Spring washer coupling, shaft diameter 6 mm / 10 mm, Maximum shaft offset: radial \pm 0.3 mm, axial \pm 0.4 mm, angular \pm 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
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Double loop coupling, shaft diameter 6 mm / 10 mm, max. shaft offset: radially \pm 2,5 mm, axially \pm 3 mm, angle \pm 10 degrees;max. speed 3.000 rpm, -30 to +80 degrees Celsius, torsional spring stiffness of 25 Nm/rad	KUP-0610-D	5326697
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Double loop coupling, shaft diameter 8 mm / 10 mm, max. shaft offset: radially \pm 0,25 mm, axially \pm 0,4 mm, angle \pm 4 degrees;max. speed 10.000 rpm, -30 to +120 degrees Celsius, torsional spring stiffness of 150 Nm/rad	KUP-0810-D	5326704
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: 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
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Claw coupling, shaft diameter 8 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-0810-J	2128267
	<ul style="list-style-type: none">Product segment: Shaft adaptationProduct: Shaft couplingsDescription: Claw coupling, shaft diameter 10 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,	KUP-1010-J	2127054

	Brief description	Type	part no.
	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		
	<ul style="list-style-type: none"> Product segment: Shaft adaptation Product: Shaft couplings Description: Claw coupling, shaft diameter 10 mm / 12 mm, damping element 80 shore blue, maximum shaft offset: radial ± 0.22 mm, axial ± 1 mm angular $\pm 1.3^\circ$, 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-1012-J	2128265

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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