

SSI CANopen
IO-Link SAE J1939

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Mechanical data

Feature	Technical data	Additional information
Housing	zinc die-cast	
Wire design	ø0.45 mm ø0.45 mm	rustproof stainless steel, plastic-coated rustproof stainless steel
Extension force	≥2 N ≥11 N	T1 operating temperature T2 operating temperature
Measured distance/ rope drum revolution	100 mm	
Weight	~0.2 kg	

System data

Feature	Technical data	Additional information
Repeat accuracy	±0.15 mm	per direction of approach
Travel speed	≤1 m/s	

Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	-10 ... 80 °C -40 ... 80 °C	T1 T2

Rotary encoders that can be combined with this wire-actuated encoder

"You can find suitable rotary encoders on our website www.siko-global.com. They are suitable ...

- for analog outputs such as current or voltage: AV3650M
- for incremental outputs: IV2800
- for absolute outputs: WV3650M, WV36M/CAN

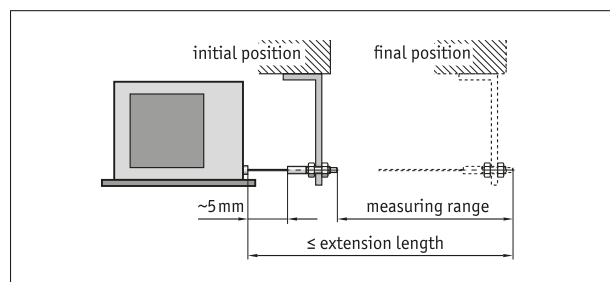
SIKO rotary encoders have the following interfaces, among others: incremental, SSI, CANopen, IO-Link

The technical specifications for these devices can be found in the respective data sheets. In addition, numerous encoder variants from different manufacturers can be used.

Hint for mounting

When securing the wire it must be ensured that the wire is straight and vertical in relation to the wire outlet.

Recommendation: Only select the starting position after an unwound length of approx. 5 mm. This prevents the wire hitting the end stop when it is rewound.



Symbolic representation

Order

■ Ordering information

One or more system components are required:

Mounting flange ZB4002

www.siko-global.com

■ Ordering table

Feature	Ordering data	Spezifikation	Additional information
Rope fixture	A GW	wire suspension with thread	
	HK	wire suspension with hook	
Wire design	B S	stainless steel wire	
	SK	steel wire, plastic coated	
encoder type	C OG6	without encoder	
	S6	a wide range of encoders can be used	see accessories
Position of electrical connection	D 1	direction of wire outlet or axial	depending on the mounted encoder
	2	upward	
	3	opposite the wire outlet	
	4	downward	
	0	without encoder	
Operating temperature	E T1	-10 ... +80 °C	
	T2	-40 ... +80 °C	

■ Order key

SG21 - - - - -

A B C D E



Scope of delivery:

SG21, Installation Instructions



Accessories you can find:

Guide roller UR

Wire extension piece SV

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