



## Mechanical data

Feature	Technical data	Additional information
Housing	aluminum/plastic	
Wire design	∅0.6 mm	rustproof stainless steel
	∅0.6 mm	rustproof stainless steel, plastic-coated
	∅0.6 mm	para-line
Extension force	≥8 N	on the rope
Measured distance/ rope drum revolution	200 mm	
Absolute accuracy	±0.1 %	from the upper range value, mechanical
Acceleration	≤23.5 m/s <sup>2</sup>	

## Electric data

You can find suitable rotary encoders on our website [www.siko-global.com](http://www.siko-global.com). They are suitable ...

- for analog outputs such as current or voltage: AV3650M, AV58M
- for incremental outputs: IV5800
- for absolute outputs: WV58MR, WV5800M, WV5850, WV3650M, WV36M/CAN

SIKO rotary encoders have the following interfaces, among others: incremental, SSI, CANopen, CANopen Safety, SAE J1939, various fieldbus protocols

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.

## System data

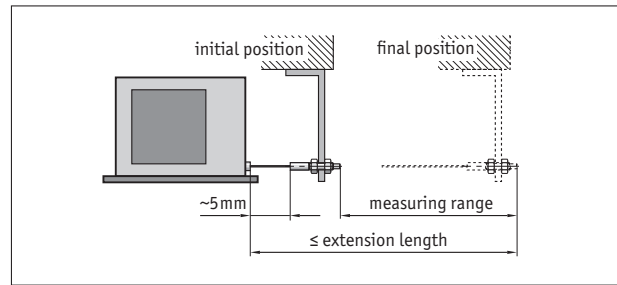
Feature	Technical data	Additional information
Repeat accuracy	±0.15 mm	unidirectional, mechanical
Measuring range	≤6000 mm	
Travel speed	≤3000 mm/s	at working temperature T1

## Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	-20 ... +80 °C	T1
	-40 ... +80 °C	T2 (feed speed ≤800 mm/s)
Protection category		depending on the mounted rotary encoder
Shock resistance	500 m/s <sup>2</sup> , 11 ms	EN 60068-2-27
Vibration resistance	100 m/s <sup>2</sup> , 5 ... 150 Hz	EN 60068-2-6

## 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 depiction

## Order

### Ordering information

One or more system components are required:

Absolute encoder WV58MR	<a href="http://www.siko-global.com">www.siko-global.com</a>
Absolute encoder WV5800M	<a href="http://www.siko-global.com">www.siko-global.com</a>
Absolute encoder WV5850	<a href="http://www.siko-global.com">www.siko-global.com</a>
Absolute encoder AV58M	<a href="http://www.siko-global.com">www.siko-global.com</a>
Incremental encoder IV5800	<a href="http://www.siko-global.com">www.siko-global.com</a>
Absolute encoder WV3650M	<a href="http://www.siko-global.com">www.siko-global.com</a>
Absolute encoder WV36M/CAN	<a href="http://www.siko-global.com">www.siko-global.com</a>

### Ordering table

Feature	Ordering data	Specification	Additional information
Measuring range	... <b>A</b>	3000, 4000, 5000, 6000 in mm	
Rope fixture	<b>GW</b>	wire suspension with thread	
	<b>HK</b>	wire suspension with hook	
	<b>RI</b>	wire suspension with ring	
Wire design	<b>S</b>	stainless steel wire	
	<b>SK</b>	steel wire, plastic-sheathed	
	<b>P</b>	Para-Line	Measurement range ≤5000 mm
Encoder type	<b>OG6</b>	without encoder	
	<b>S6</b>	great number of encoders possible	
Position of electrical connection	<b>1</b>	direction or wire outlet or axially	depending on installed encoder
	<b>2</b>	upward	
	<b>3</b>	opposite the wire outlet	
	<b>4</b>	downward	
	<b>0</b>	without encoder	
Operating temperature	<b>T1</b>	-20° C ... +80° C	
	<b>T2</b>	-40° C ... +80° C	

### Order key



**Scope of delivery:** SG61, Quick Start Guide

#### Accessories you can find:

Guide roller UR  
 Wire extension piece SV

[www.siko-global.com](http://www.siko-global.com)  
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