Wire-actuated encoder SG31
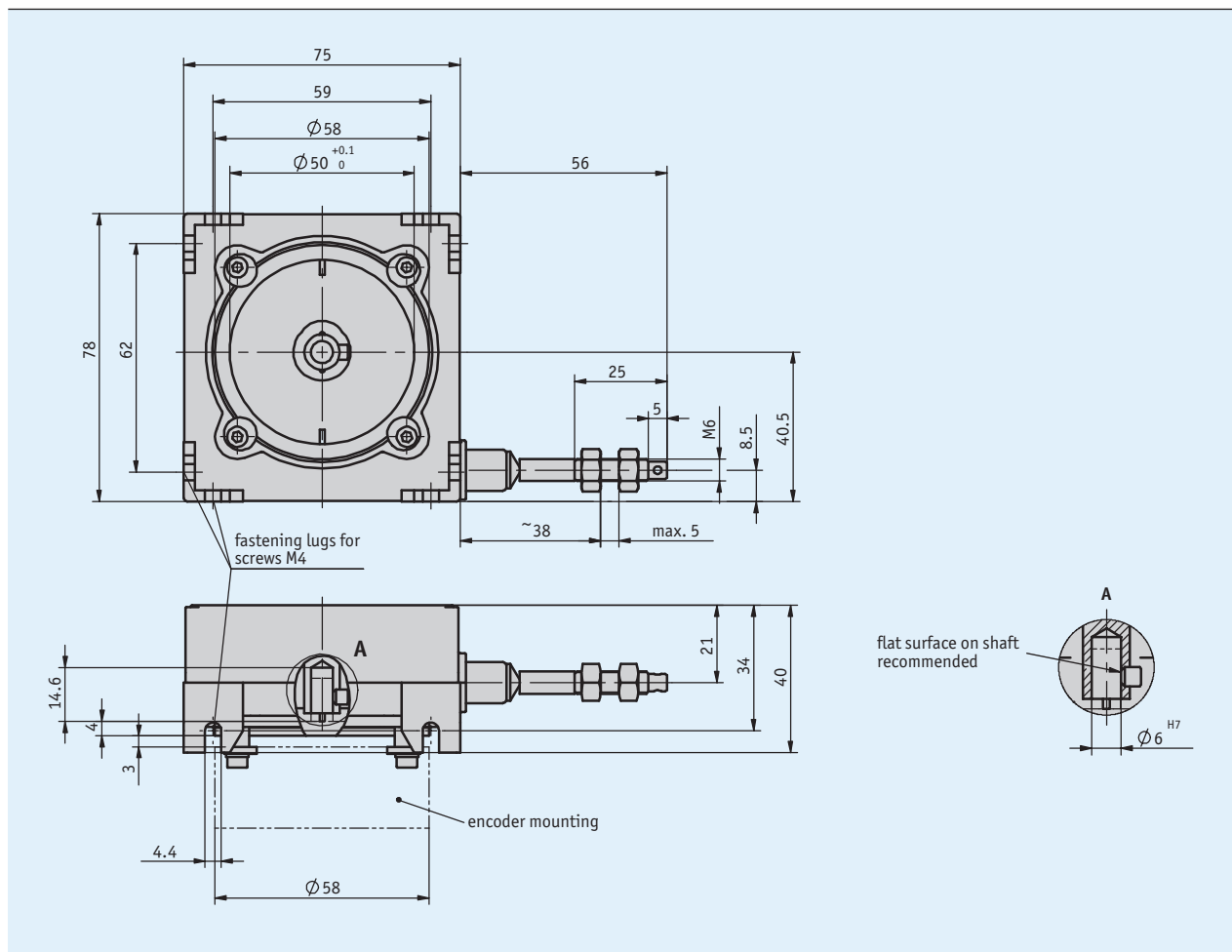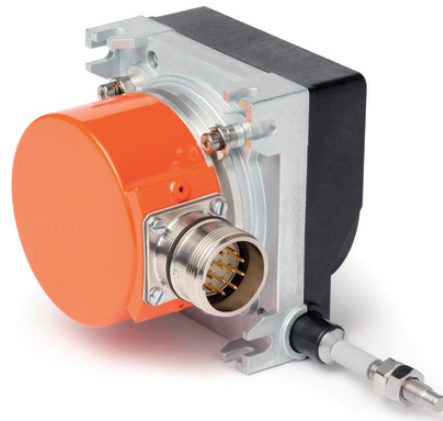## robust design for rotary encoder mounting with 3000 mm measuring length

Profile

- Robust design
- Measuring lengths up to 3000 mm
- Wire-actuated encoder for rotary encoder with 58 mm servo-flange
- Variable mounting options
- Lockable ventilation holes against condensation
- Very robust measuring rope (stainless steel)
- High tightness at the rope outlet

Mechanical data

Feature	Technical data	Additional information
Housing	zinc die-cast, plastic	
Wire design	ø0.87 mm	steel wire (stainless), plastic coated
Extension force	≥3 N	
Measured distance/ rope drum revolution	200 mm	
Weight	~0.35 kg	

Electric data

Rotary encoders suitable for the SG31 are featured in RotoLine catalogue 2. Depending on the output signals the following are suitable for...

- Analog outputs such as current or voltage: AV58M
- Incremental outputs: IV58M
- Absolute outputs: WV36M/SSI, WV36M/CAN

The technical specifications for these devices are given in the respective data sheet. A number of transmitter versions of various manufacturers can also be used.
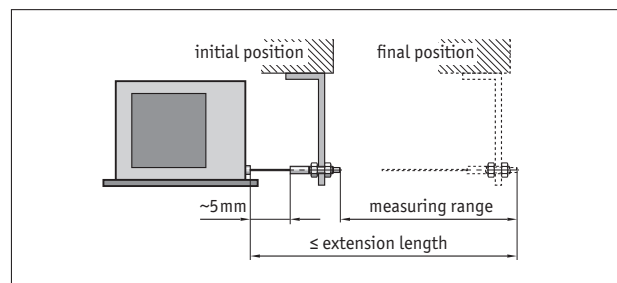
System data

Feature	Technical data	Additional information
Repeat accuracy	±0.15 mm	per direction of approach
Travel speed	≤800 mm/s	

Ambient conditions

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

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 AV58M	www.siko-global.com
Incremental encoder IV58M	www.siko-global.com
Absolute encoder WV36M/SSI	www.siko-global.com
Absolute encoder WV36M/CAN	www.siko-global.com

■ Ordering table

Feature	Ordering data		Specification	Additional information
Encoder type	OG6	A	without encoder	
	S6	A	a wide range of encoders can be used	see accessories

■ Order key

SG31 - [ ]
A

Scope of delivery: SG31, Mounting instructions

Accessories:
Guide roller UR www.siko-global.com
Wire extension piece SV www.siko-global.com

subject to technical alteration ● 2015/11/18 ● 09:30