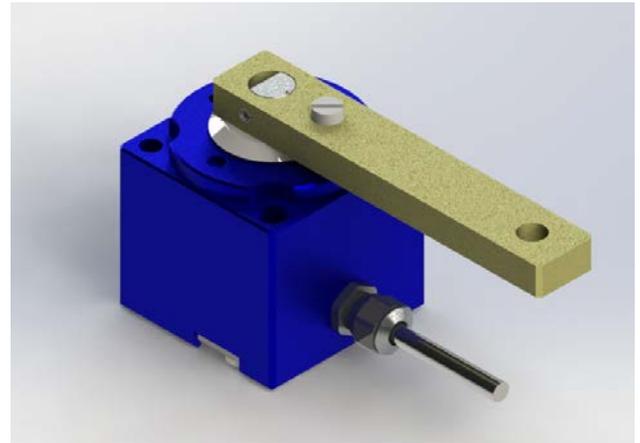


Special features

- Contactless measuring principle
- Integrated signal amplifier
- Compact housing
- Redundant design for safety relevant applications available
- Extremely rugged construction with stainless steel shaft and housing out of sea-water proof aluminum.
- Long lifetime
- High resolution
- Available in various versions (see ordering specifications). Customized versions on request



Electrical data

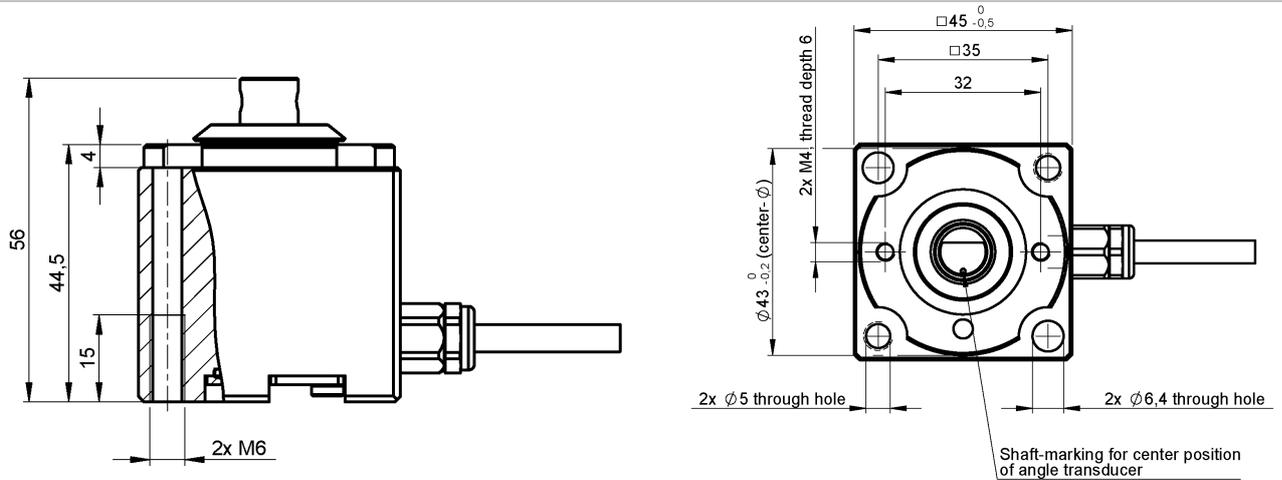
Signal output range	0.25 V ... 4.75 V	4 mA ... 20 mA
Supply voltage	+9 VDC +34 VDC	+9 VDC +34 VDC
Current consumption	25 mA typical	max. 60 mA
Output current	≤ 1 mA *)	-
Working resistance	-	max. 250 Ω
External voltage on signal output	≤ 34 V	≤ 34 V
Resolution	12 bit	12 Bit
Repeat accuracy	≤ 0.1°	<0,2% of working range **)
Independent linearity (relating to measuring range)	≤ ±0.75 %	- ±1 %

*) ≤ 0.05 mA for specified accuracy
 **) after noise suppression

Environmental properties

Protection class (ISO 20653) housing/cable inlet	IP6K6K / IPx8 (1m;12h) / IPx9K with factory-mounted cable
Protection class (ISO 20653) shaft inlet	IP6K6K / IPx8 (1m;12h) / IPx9K
Operating temperature range	Depending on electrical connection, see below
Storage temperature range	-40 °C to +80 °C
Oscillation resistance	10 ... 500 Hz, A _{MAX} = 15 mm, a _{MAX} = 10 g
Bump resistance	50 g / 11 ms
Influence of external magnetic fields	Deviation 2 % FS with a static magnetic field intensity of 3 mT

Dimensional drawing



Lever

