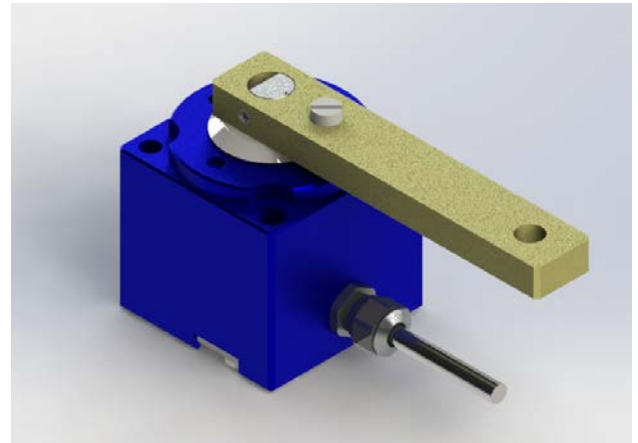


### Special features

- 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

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

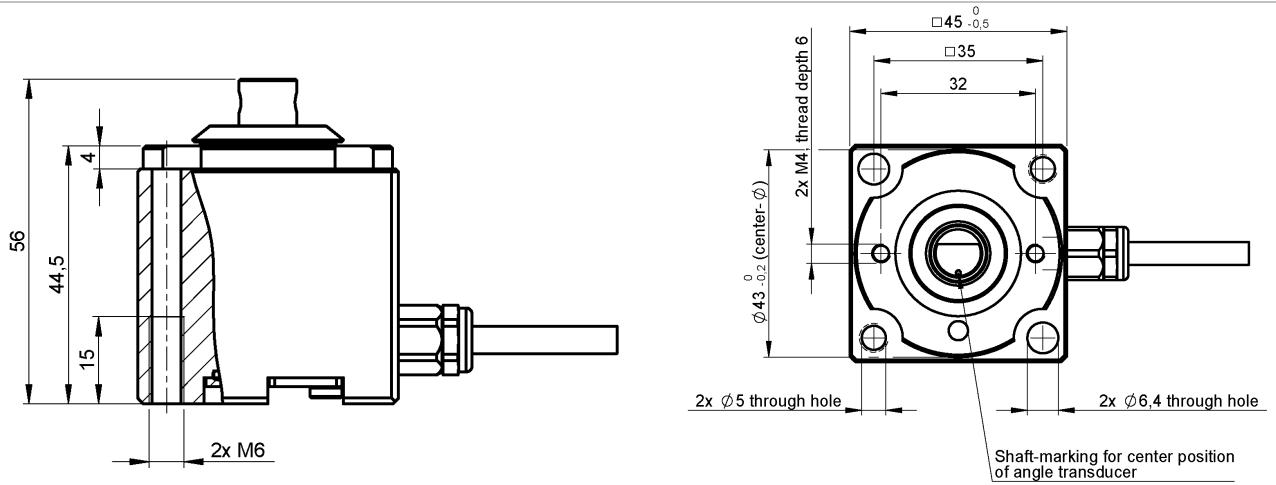
\*) ≤ 0.05 mA for specified accuracy  
 \*\*) after noise suppression

### Environmental properties

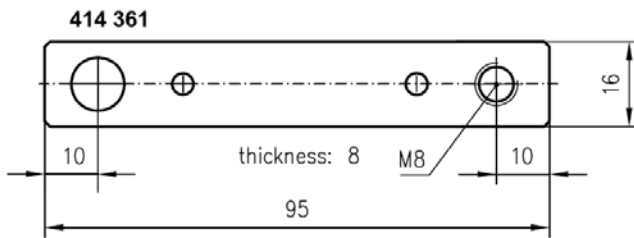
<b>Protection class (ISO 20653) housing/cable inlet</b>	IP6K6K / IPx8 (1m;12h) / IPx9K with factory-mounted cable
<b>Protection class (ISO 20653) shaft inlet</b>	IP6K6K / IPx8 (1m;12h) / IPx9K
<b>Operating temperature range</b>	Depending on electrical connection, see below
<b>Storage temperature range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



### Dimensional drawing



### Lever



Version r) - Technical changes due to further technical development reserved.