

Compact sensor for speed monitoring



- Complete sensor in the housing of a proximity switch
- Converts rotation signal to frequency

Characteristics

A magnetically preloaded Hall effect sensor detects the sides of the propeller and generates a frequency signal proportional to the flow rate.

The sensor is made in a stainless steel SUS304L housing .
Sensors measure speed rotating parts of machines, turbines.

The electronics make various output signals available:

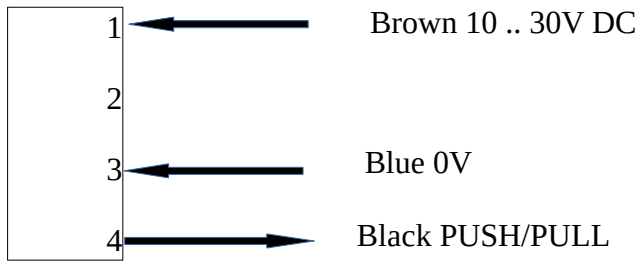
- Frequency signal 0 .. 10000Hz

Sensor with switching output push/pull

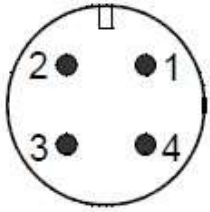
Specifications

Sensor	Pre-tensioned hall sensor
Detection distance	Typikal 0 .. 6 mm
Meterig range	0 .. 10000 Hz
Pressure resistance	50 bar
Operating temperature	-20 .. +80°
Storage temperature	-20 .. +80°C
Materials	Housing SUS304L Contacts CuZn, Ni b / Au 0,2
Power supply	15 .. 30 V DC
Power requirement	< 1 W (for no-load output)
Output data	all outputs are resistant to short circuits and reversal polarity protected
Frequency output	0 .. 10000 Hz Push/pull Iout = 200 mA max.
Display	Yellow LCD shows Operating voltage/Output status
Electrical connection	for round plug connector M12x1, 4pole
Ingress protection	IP 67
Weight	approx. 0.02 kg
Conformity	CE

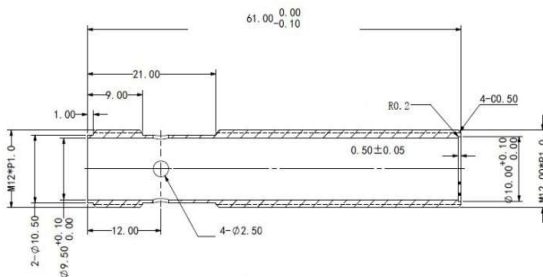
Wiring



Connection



Dimensions



The magnetic field sensor reacts to magnetic fields of both polarities perpendicular to the end face.

Ordering code

LAB – D – F