SERIES 2061.2104 – FLOW-SENSOR

2061.2104 – 2061.2109

ADVANTAGE

Medium variability

Approved for drinking water

Compact design

Flexible measuring range

High endurance

High signal accuracy

Simple mounting

PRODUCT FEATURES

- Measured medium air, gas, water, liquid medium
- Materials with direct medium contact are certified according to KTW and WRAS
- Efficient use of materials and therefore excellent price-performance ratio
- Individual adaption of pulse rate for a wide range of application areas
- At least 2,000 m³
- Signal accuracy of ±14 % (depending on application)
- Plug-in flange fixable by clips

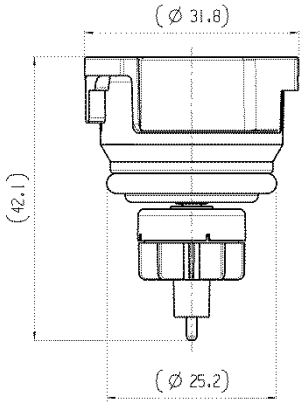
EXAMPLES OF APPLICATION

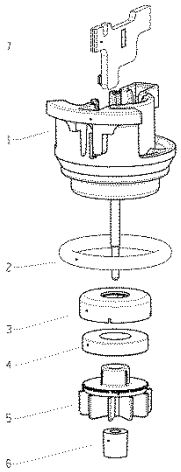
- Domestic water circuit
- Heating circuit
- Water treatment
- Household appliances
- Fluid carrying systems
- Cleaning equipment
- Laboratory devices
- Industrial applications
- Catering appliances

Measuring range	1 – 10 l/min
Maximum supply voltage	5 V DC ±10%
Maximum supply current	7 mA
Minimum output voltage	0 V
Maximum output voltage	5,5 V
Minimum output signal	Exemplarily: 10 Hz at 2 l/min Exemplarily: 40 Hz at 8 l/min
Maximum output signal	200 Hz
Tolerance	2-4 l/min ±14 %, 4-15 l/min ±14%
Characteristic pressure drop	< 0.4 bar @10l/min
Burst pressure	> 30 bar
Maximum static operating pressure	10 bar
Maximum dynamic pressure	16 bar
Life endurance	2,000 m³, 40 Hz at 7l/min ➔350 pulse/l (with clean liquids)
Ambient temperature	0 – 70 °C
Contacts	3-pole rast 2,5

SENSOR DESIGN

(Dimensions in mm)

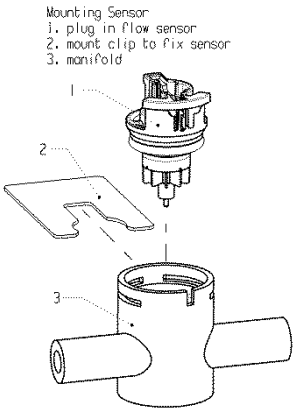


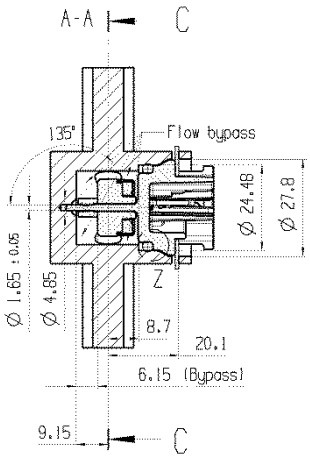


1	Housing with shaft
2	O-ring for sealing
3	Magnet retainer
4	Ringmagnet
5	Impeller
6	Fixing ring
7	PCB with hall IC

INSTALLATION DESCRIPTION

(Exemplarily)

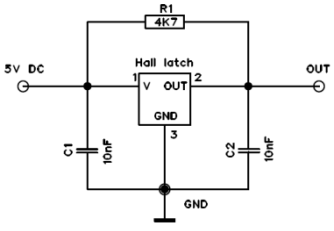


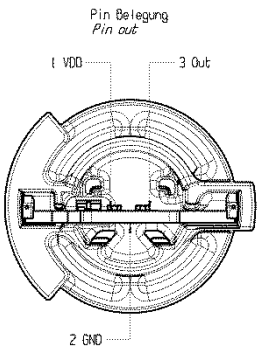


PCB LAYOUT

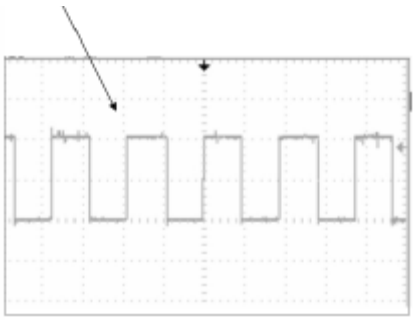
PIN OUT

OUTPUT SIGNAL





Output signal



Standard connector 3-pole RAST 2,5 without coding

MARQUARDT
Marquardt Mechatronik GmbH • Schloss-Straße 16 • 78604 Rietheim-Weilheim • Germany
Phone +49 (0) 74 24 / 99-0 • Telefax +49 (0) 74 24 / 99-23 99 • marquardt@marquardt.de • www.marquardt.com