



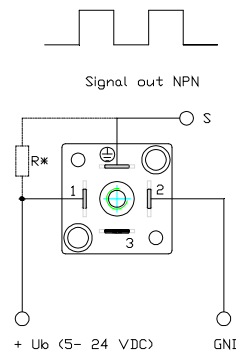
IC-FCH Mini Flowmeter for Chemicals

Technical specification	Application: Acid, Alkalis and other chemically aggressive fluids. Metal free!
Measurement principle	Turbine
Sensing principle	Hall-Sensor / Hall-effect, non-contacting
Output: Square wave	NPN open collector sinking (2 x I/U)
Flow direction	at arrow-direction
Flow range LPM	0,003... 0,2 L/ min (at H ₂ O 20°C)
Nozzle	D= 0,2 mm integrated
Output pulses/ Litre	ca. 35.000 Imp./L at H ₂ O 20°C
Viscosity ν	1... 20 mPas
Accuracy ($\nu = 1$ mPas)	+/- 2% (at the same operating conditions)
Repeatability of frequency response	+/- 0,5 % (at the same operating conditions)
Continuous-/ Burst in pressure	-0,7- 16 bar / 30 bar (at 20°C)
Running temperature	-10°C... + 100°C
Installation position	any
Port Connection	2 x G 1/8" AG/ male Thread BSP
Materials/ Rotor/ Gasket	PVDF / PVDF/ FKM
Axles/ Bearing	PVDF
Voltage supply	5... 24 max. VDC
Output current I_{max}	25 mA max.
Weight	35 g
Dimensions in mm	see drawing

Serie: FCH-m-PVDF-HD
Art.-Nr: 96103124



Electrical connection
PIN 1: +4,5 to 24 VDC
PIN 2: GND (0V)
⊖ - **Masse-PIN:** Signal



R* = not integrated
(für / for PNP use pull-up R* >= 1k6)

