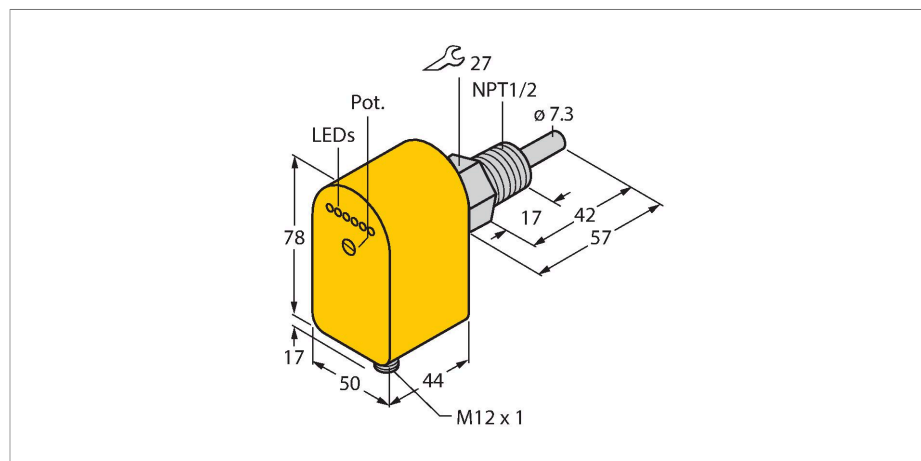


FCS-N1/2A4P-LIX-H1141

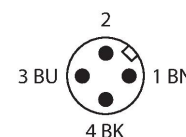
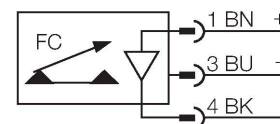
Flow Monitoring – Immersion Sensor with Integrated Processor



Features

- Sensor only for water
- Calorimetric principle
- Adjustments via potentiometer
- Status indicated via LED band
- With linearized analog output
- DC 3-wire, 21.6...26.4 VDC
- 4...20 mA analog output
- Connector device, M12 × 1

Wiring diagram

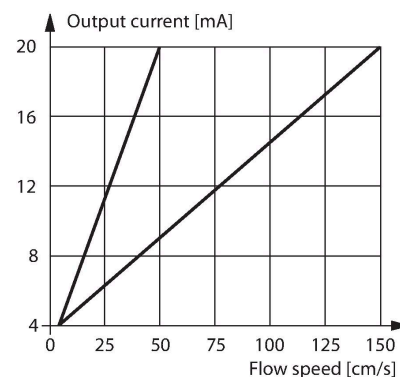


Technical data

Ident. no.	6871041
Type	FCS-N1/2A4P-LIX-H1141
Mounting	Immersion sensor
Water Operating Range	5...150 cm/s
Stand-by time	approx. 10 s
Setting time	1...15 s
Medium temperature	-20...+80 °C
Ambient temperature	-20...+70 °C
Operating voltage	21.6...26.4 VDC
Current consumption	≤ 100 mA
Output function	Analog output
Short-circuit protection	yes
Reverse polarity protection	yes
Current output	4...20 mA
Linearity deviation	≤ 10 %
Load	200...500 Ω
Protection class	IP65
Design	Immersion
Housing material	Plastic, PBT
Sensor material	Stainless steel, V4A (1.4571)
Max. tightening torque housing nut	30 Nm
Electrical connection	Connector, M12 × 1
Process Pressure	100 bar
Process connection	NPT 1/2"

Functional principle

Our insertion - flow sensors operate on the principle of thermodynamics. The measuring probe is heated by several °C as against the flow medium. When fluid moves along the probe, the heat generated in the probe is dissipated. The resulting temperature is measured and compared to the medium temperature. The flow status of every medium can be derived from the evaluated temperature difference. Thus TURCK's wear-free flow sensors reliably monitor the flow of gaseous and liquid media.



Technical data

Flow state display	LED chain, red (1x), green (5x)
LED display	red = 4 mA 1x green > 4 mA 2x green > 8 mA 3x green > 12 mA 4x green > 16 mA 5x green = 20 mA