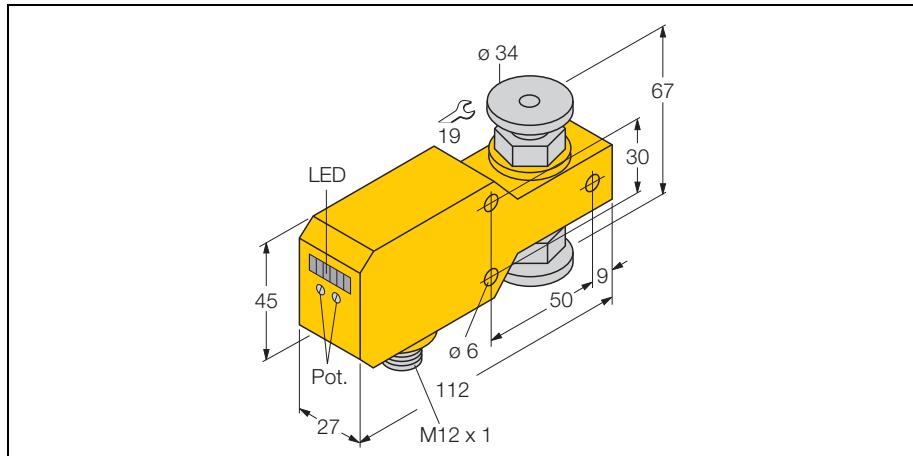
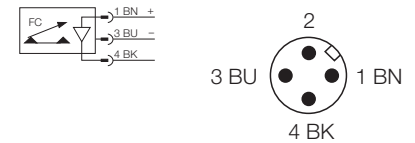


flow sensor
Inline sensor with integrated processor
FCI-34D10A4P-LIX-H1141



- flow sensor for liquid media
- calorimetric function principle
- adjustment via potentiometer
- status display via LED chain
- Operating range 0.1...6 l/min
- Sensor, stainless steel A4 (1.4404)
- Mechanical Connection: Tri-Clamp
- Temperature range: -20...+80 °C
- 3-wire DC, 21...26 VDC
- 4...20 mA analogue output
- connector, M12 x 1

Wiring diagram



Type	FCI-34D10A4P-LIX-H1141
Ident-No.	6870624
Flow operating range	0.1... 6 l/min.
Stand-by time	5...15 s
Setting time	0.5...1 s
Temperature gradient	≤ 400 K/min
Medium temperature	-20... 60°C
Ambient temperature	0... 60°C
Operating voltage	21... 26 VDC
No-load current I ₀	≤ 50 mA
Output function	Analog output, 4... 20 mA
Short-circuit protection	yes
Reverse polarity protection	yes
current output	4... 20 mA
Load	≤ 500 Ω
Protection class	IP67
Housing material	Plastic, PBT
Sensor material	stainless steel, AISI 316L
Electrical connection	Connectors, M12 x 1
Pressure resistance	20 bar
Mechanical connection	Tri-Clamp DN 10
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

Functional principle

The function of the in-line flow sensors is based on the thermo-dynamic principle. Heat is generated in a measuring tube and absorbed by the flowing medium. The transported heat loss is thus a measure of the flow speed. Thus TURCK's wear-free flow sensors reliably monitor the flow of gaseous and liquid media. A low pressure drop and fast response to flow rate variations are the outstanding features of these devices.

