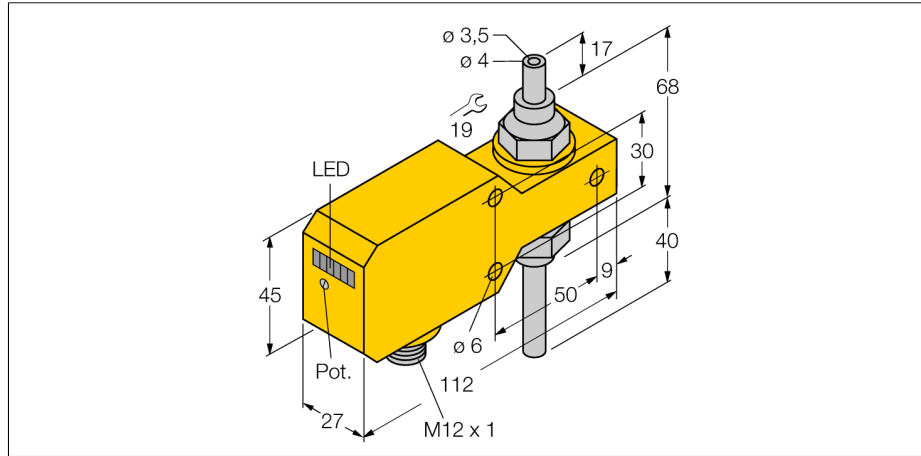
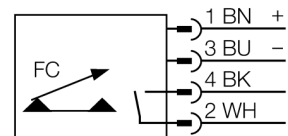


**Flow sensor**  
**Inline sensor with integrated processor**  
**FCI-TCD04A4P-ARX-H1140**



- Flow sensor for liquid media
- Calorimetric principle
- Adjustment via potentiometer
- LED band
- Operating range 1...200 ml/min
- Mechanical Connection: Barrel, 4 mm
- 4-wire DC, 21...26 VDC
- NO contact, relay output
- Plug-in device, M12 x 1

**Wiring diagram**



**Functional principle**

The function of the inline 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.

<b>Type code</b>	FCI-TCD04A4P-ARX-H1140
<b>Ident no.</b>	6870626
<b>Flow operating range</b>	0,001...0,2 l/min.
<b>Stand-by time</b>	5...20 s
<b>Switch-on time</b>	0.5...3 s
<b>Switch-off time</b>	0.5...3 s
<b>Temperature gradient</b>	≤ 400 K/min
<b>Medium temperature</b>	0...60 °C
<b>Ambient temperature</b>	0 ... 60 °C
<b>Operating voltage</b>	21...26VDC
<b>No-load current I<sub>0</sub></b>	≤ 50 mA
<b>Output function</b>	Relay output, NO contact
<b>Rated operational current</b>	1 A
<b>Short-circuit protection</b>	no
<b>Reverse polarity protection</b>	yes
<b>AC switching voltage</b>	30 VAC
<b>DC switching voltage</b>	36 VDC
<b>Housing material</b>	Plastic, PBT
<b>Sensor material</b>	stainless steel, AISI 316Ti
<b>Connection</b>	male, M12 x 1
<b>Pressure resistance</b>	1 bar
<b>Mechanical connection</b>	Tube 4 mm
<b>Switching state</b>	LED chain green / yellow / red
<b>Indication: Drop below setpoint</b>	LED red
<b>Indication: Setpoint reached</b>	LED yellow
<b>Indication: Setpoint exceeded</b>	4 x LEDs green