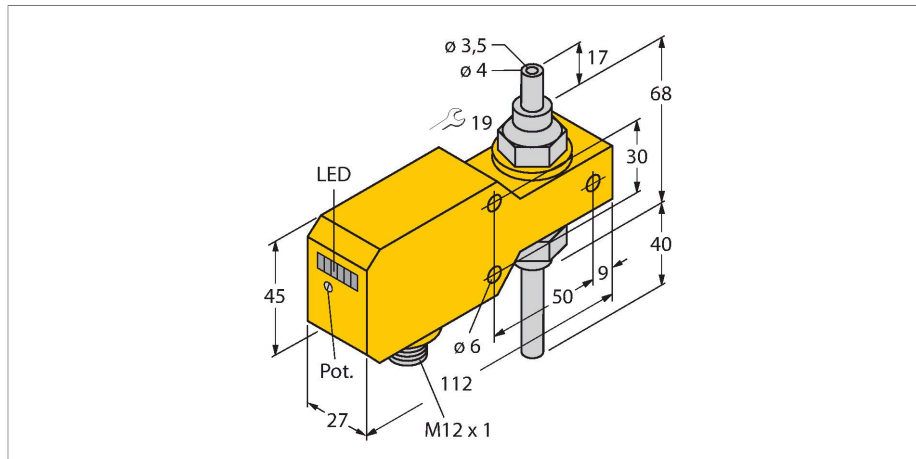


# FCI-TCD04A4P-ARX-H1140

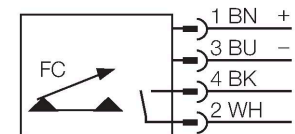
## Flow Monitoring – Inline Sensor with Integrated Processor



### Features

- Flow sensor for liquid media
- Calorimetric principle
- Adjustment via potentiometer
- LED band
- Operating range 1...200 ml/min
- Mechanical Connection: Barrel, 4 mm
- DC 4-wire, 21.6...26.4 VDC
- NO contact, relay output
- Plug-in device, M12 x 1

### Wiring diagram



### Technical data

ID	6870626
Type	FCI-TCD04A4P-ARX-H1140
<b>Mounting</b>	Inline sensor
Flow operating range	0.001...0.2 l/min
Stand-by time	5...20 s
Switch-on time	0.5...3 s
Switch-off time	0.5...3 s
Temperature gradient	≤ 400 K/min
Medium temperature	0...+60 °C
Ambient temperature	0...+60 °C
<b>Electrical data</b>	
Operating voltage $U_b$	21.6...26.4 VDC
Current consumption	≤ 50 mA
Output function	Relay output, NO contact
Rated operational current	1 A
Short-circuit protection	no
Reverse polarity protection	yes
AC switching voltage	30 VAC
DC switching voltage	36 VDC
Protection class	IP67
<b>Mechanical data</b>	
Design	Inline
Housing material	Plastic, PBT
Sensor material	Stainless steel, 1.4571 (AISI 316Ti)

### 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.

## Technical data

Electrical connection	Connector, M12 × 1
Process Pressure	1 bar
Process connection	Barrel 4 mm
Switching state	LED chain, Green/yellow/red
Flow state display	LED chain
Indication: Drop below setpoint	LED Red
Indication: Setpoint reached	LED Yellow
Indication: Setpoint exceeded	4 × LEDs Green
Tests/approvals	