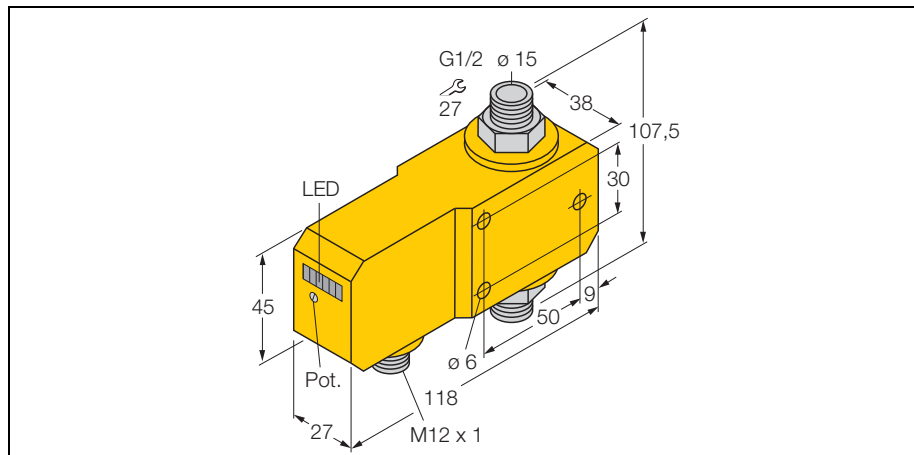
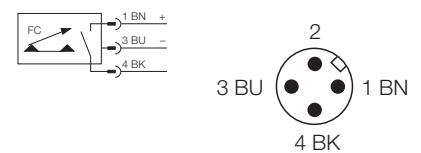


**flow sensor**  
**Inline sensor with integrated processor**  
**FCI-D15A4P-AP8X-H1141**



- flow sensor for liquid media
- calorimetric function principle
- adjustment via potentiometer
- status display via LED chain
- Operating range 3...20 l/min
- 3-wire DC, 21...26 VDC
- normally open, pnp output
- connector, M12 x 1

**Wiring diagram**



<b>Type</b>	FCI-D15A4P-AP8X-H1141
Ident-No.	6870669
<b>Flow operating range</b>	3... 20 l/min.
Stand-by time	5...15 s
Switch-on time	0.5...1 s
Switch-off time	0.5...1 s
Temperature gradient	≤ 400 K/min
Medium temperature	-20... 80°C
Ambient temperature	0... 60°C
<b>Operating voltage</b>	21... 26 VDC
No-load current I <sub>0</sub>	≤ 50 mA
Output function	PNP, NO contact
Rated operational current	0.2 A
Voltage drop at I <sub>e</sub>	≤ 1.5 V
Short-circuit protection	yes
Reverse polarity protection	yes
Protection class	IP67
<b>Housing material</b>	Plastic, PBT
Sensor material	stainless steel, AISI 316Ti
Tightening torque of housing nut	max. 100 Nm
Electrical connection	Connectors, M12 x 1
Pressure resistance	20 bar
Mechanical connection	G 1/2"
<b>Switching state</b>	LED chain green / yellow / red
Indication: Drop below setpoint	LED red
Indication: Setpoint reached	LED yellow
Indication: Setpoint exceeded	4 x LEDs green

**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.