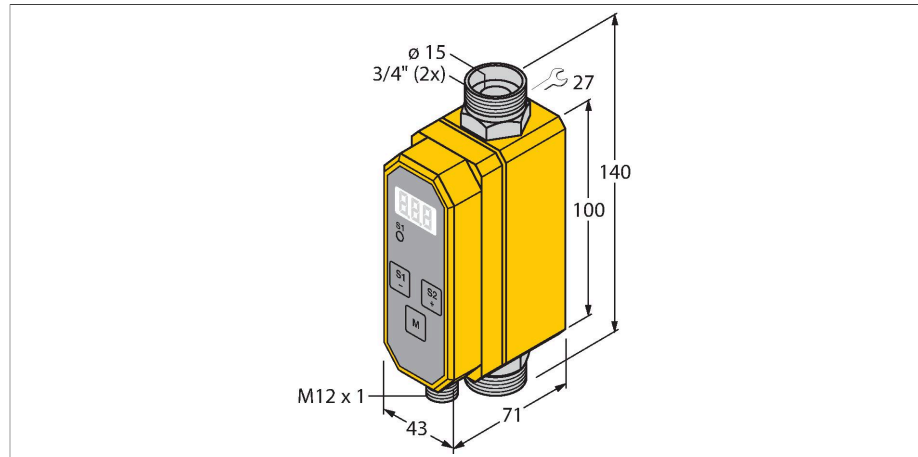


FCI-D15A4P-2ARX-H1160/D209

Flow Monitoring – Inline Sensor with Integrated Processor

Relay Output 24 VDC NO



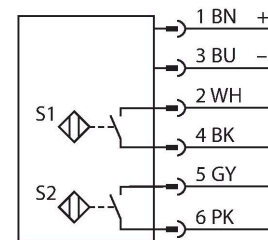
Features

- Compact inline flow sensor
- Calorimetric principle
- Monitoring of flow rate
- Monitoring of the medium temperature
- For water-glycol mixtures and HT110/135 Galden fluid
- Parametrized via button
- Protected by software code
- Operating range 3.8...38 l/min
- 2 relay switching outputs
- Switching outputs 24 VDC NO
- Switchpoints freely adjustable

Technical data

ID	6870684
Type	FCI-D15A4P-2ARX-H1160/D209
Special version	D209 Corresponds to:FCI-kompakt, programmierbar mit 7-Segmentanzeige, Schneidringverschraubung für 3/4" Rohr, Innendurchmesser 15 mm, Temperaturanzeige, 2 Relaisausgänge, 3 Fluide
Mounting	Inline sensor
Application area	Flow rate and temperature monitoring of water; water/glycol mix or Galden fluid HT110/135
Flow operating range	3.8...38 l/min
Stand-by time	5...15 s
Switch-on time	0.5...3 s
Switch-off time	0.5...3 s
Temperature gradient	≤ 400 K/min
Medium temperature	-10...+95 °C
Ambient temperature	-20...+60 °C
Electrical data	
Operating voltage U_b	21.6...26.4 VDC
Current consumption	≤ 50 mA
Output function	Relay output, NO contact
Short-circuit protection	no
AC switching current	0.5 A

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.

Technical data

DC switching current	0.5 A
AC switching voltage	36 VAC
DC switching voltage	30 VDC
Protection class	IP65
Mechanical data	
Design	Inline
Housing material	Plastic, POM
Sensor material	Stainless steel, 1.4571 (AISI 316Ti)
Max. tightening torque of housing nut	30 Nm
Electrical connection	Connector, M12 × 1
Process Pressure	10 bar
Process connection	3/4" Swagelok
Tests/approvals	