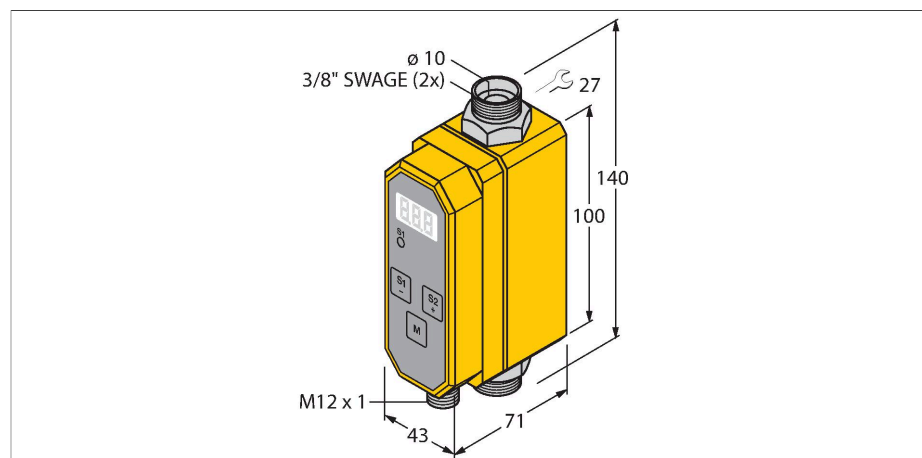


FCI-D10A4P-2ARX-H1160/D203

Flow Monitoring – Inline Sensor with Integrated Processor

Relay Output 30 VDC, NO



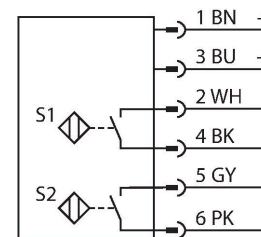
Technical data

ID	6870680
Type	FCI-D10A4P-2ARX-H1160/D203
Special version	D203 Corresponds to: FCI compact, medium: deionized water, programmable with 7-segment display, cutting ring fitting for 3/8" barrel, internal diameter 10 mm, output 1 — Flow relay NO, output 2 — Flow/temperature relay NO
Mounting	Inline sensor
Flow operating range	0.2...4 gpm
Stand-by time	5...15 s
Switch-on time	1...8 s
Switch-off time	1...8 s
Temperature gradient	≤ 400 K/min
Medium temperature	-10...+95 °C
Ambient temperature	0...+60 °C
Electrical data	
Operating voltage U_B	21.6...26.4 VDC
Current consumption	≤ 100 mA
Output function	Relay output, NO contact
Short-circuit protection	no
AC switching voltage	36 VAC
DC switching voltage	30 VDC
Contact rating	0.5 A @ 36 VAC/30 VDC

Features

- Sensor for deionized water
- Calorimetric functionality
- Alphanumeric 7-segment display
- Operating range 0.2...4 gpm
- 2 relay switching outputs
- Switching outputs 30 VDC/36 VAC, NO
- Freely adjustable switching points

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

Protection class	IP54
Mechanical data	
Design	Inline
Housing material	Plastic, POM
Sensor material	Stainless steel, 1.4571 (AISI 316Ti)
Electrical connection	Connector, M12 × 1
Process Pressure	10 bar
Pressure resistance	140 psi
Process connection	3/8" Swagelok
Tests/approvals	