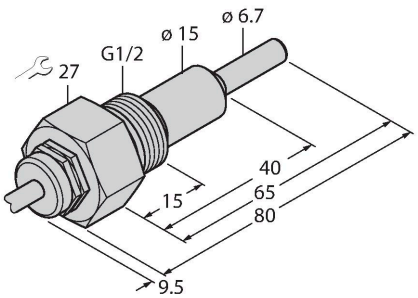
FCS-G1/2A4-NA/AL065
Flow Monitoring – Immersion Sensor without Integrated Processor



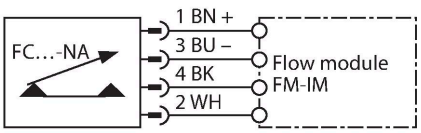
Technical data

ID no.	6870340
Type	FCS-G1/2A4-NA/AL065
Mounting	**Immersion sensor**
Air Operating Range	0.5…30 m/s
Stand-by time	60 s
Switch-on time	10…120 s
Switch-off time	10…120 s
Temperature jump, response time	25…40 s
Temperature gradient	≤ 1 K/min
Medium temperature	-20…+80 °C
Protection class	IP68
Design	Immersion
Housing material	**Stainless steel, 1.4571 (AISI 316Ti)**
Sensor material	Stainless steel, 1.4571 (AISI 316Ti)
Max. tightening torque of housing nut	30 Nm
Electrical connection	Cable
Cable length (L)	2 m
Cable Jacket Material	SABIX®
Core cross-section	4 x 0.25 mm^2
Process Pressure	20 bar
Process connection	G 1/2"

Features

- Sensor for gaseous media
- Calorimetric functionality
- Adjustment via signal processor
- Status indicated via LED chain on signal processor
- Sensor length 65 mm
- Cable device
- 4-wire connection to the processor

Wiring diagram



Functional principle

Our insertion - flow sensors operate on the principle of thermodynamics. The measuring probe is heated by several °C as against the flow medium. When fluid moves along the probe, the heat generated in the probe is dissipated. The resulting temperature is measured and compared to the medium temperature. The flow status of every medium can be derived from the evaluated temperature difference. Thus TURCK's wear-free flow sensors reliably monitor the flow of gaseous and liquid media.