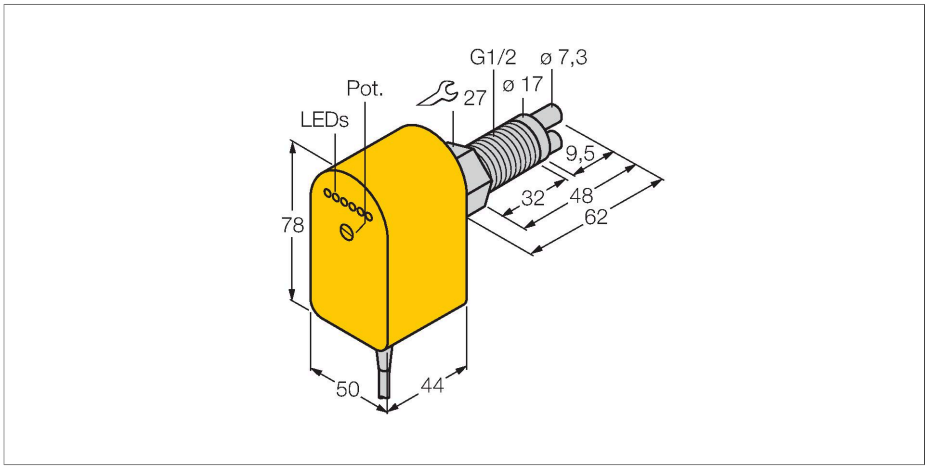
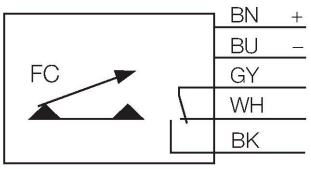
FCS-GL1/2A2P-VRX/24VDC/A
Flow Monitoring – Immersion Sensor with Integrated Processor



Features

- Sensor for gaseous media
- Calorimetric principle
- Adjustments via potentiometer
- 5-wire DC, 19.2…28.8 VDC
- Changeover contact, relay output
- Cable device

Wiring diagram



Technical data

Ident. no.	6870363
Type	FCS-GL1/2A2P-VRX/24VDC/A
Mounting	Immersion sensor
Air Operating Range	0.5…30 m/s
Stand-by time	10…90 s
Switch-on time	2…30 s
Switch-off time	5…30 s
Temperature gradient	≤ 20 K/min
Medium temperature	-20…+80 °C
Operating voltage	19.2…28.8 VDC
Current consumption	≤ 80 mA
Output function	Relay output, Complementary contact
Rated operational current	4 A
Short-circuit protection	no
Reverse polarity protection	yes
AC switching voltage	250 VAC
DC switching voltage	60 VDC
Max. AC switching capacity	1000 VA
Max. DC switching capacity	60 W
Protection class	IP68
MTTF	283 years acc. to SN 29500 (Ed. 99) 40 °C
Design	Immersion
Housing material	Plastic, PBT
Sensor material	Stainless steel, V2A (1.4305)

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.

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Technical data

Max. tightening torque housing nut	30 Nm
Electrical connection	Cable
Cable length (L)	2 m
Core cross-section	5 x 0.5 mm^2
Process Pressure	30 bar
Process connection	G ½" long version
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 x LEDs green

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