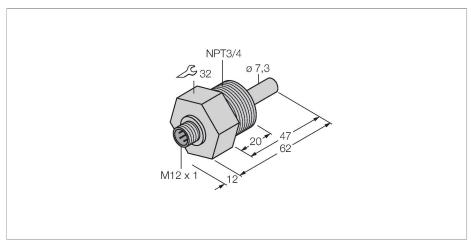


FCS-N3/4A4-NA-H1141 Flow Monitoring – Immersion Sensor without Integrated Processor



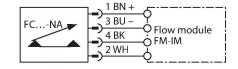
Technical data

ID	6871304		
Туре	FCS-N3/4A4-NA-H1141		
Mounting conditions	Immersion sensor		
Water Operating Range	1150 cm/s		
Oil Operating Range	3300 cm/s		
Stand-by time	typ. 8 s (215 s)		
Switch-on time	typ. 2 s (115 s)		
Switch-off time	typ. 2 s (115 s)		
Temperature jump, response time	max. 12 s		
Temperature gradient	≤ 250 K/min		
Medium temperature	-20+80 °C		
Electrical data			
Protection class	IP67		
Mechanical data			
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	Connector, M12 × 1		
Pressure resistance	100 bar		
Process connection	3/4" NPT		

Features

- Sensor for liquid media
- Calorimetric functionality
- Adjustment via signal processor
- Status indicated via LED chain on signal processor
- Connector device, M12 × 1
- ■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.



Accessories

Dimension drawing	Туре	ID	
M12x1 e 15 % 14	RKC4.4T-2/TXL	6625503	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PUR, black; cULus approval; other cable lengths and qualities available, see www.turck.com
015 MI2x1 26.5 32—	WKC4.4T-2/TXL	6625515	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PUR, black; cULus approval; other cable lengths and qualities available, see www.turck.com
0 15 M12 x 1 26.5 32	WKC4.4T-2/TEL	6625025	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com
M12×1 o 15 1/2 1/4	RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com
M12 x 1 2 14 o 16.2 ———————————————————————————————————	RKC4.4T-P7X2-10/TXL	6626184	Connection cable, female M12, angled, 4-pin, cable length: 10m, sheath material: PUR, black; cULus approval; other cable lengths and qualities available, see www.turck.com

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Accessories

