

temperature sensor TSR-CAN-03 (CANopen, fluids)

High quality stainless steel transmitter for precise temperature measurement in all stainless steel compatible media

- ✓ Flexible adjustment of the measuring tip ensures optimal installation conditions
- ✓ Ideal for temperature measurement in pipelines
- ✓ High precision and excellent long-term stability since there are no mechanical setting elements, as well as the digital storage of calibration data
- ✓ Fast and easy modification of Node ID and baud rate using Layer Setting Service



Technische Daten

Eigenschaften

Supply voltage	12 - 27 V $\pm$ 20 %
Housing	stainless steel

Measuring element

Temperature	Semiconductor
Resolution	10 Bit
Measuring grid	from 5 ms

Measuring range

Temperature	-40...+80 °C (optional + 150 °C)
Deviation	$\pm$ 0,3 K (-40...+80 °C)

CAN specifications

CAN-Protocol	CANopen 2.0 A, ciA DS 404
Physical Layer	DIN 11898
optional	provisioning of EDS-Files

Operating conditions

Operating temperature	-40...+80 °C
Storage temperature	-40°C...+120°C
Shock resistance	30 g, Duration: 14 ms @ room temp.
Vibration resistance	10 g at 20 ... 1000 Hz

CANopen

- ✓ minimal wiring effort
- ✓ Standardized by CAN in Automation (CiA)
- ✓ Interoperability and Interchangeability
- ✓ Detection of error conditions (Node guarding, Emergency Message, Heart Beat)
- ✓ Baud rates from 10 kbit/s to 500 kbit/s
- ✓ EDS files

Anwendungen

- ✓ Air conditioning
- ✓ Process control
- ✓ Automation
- ✓ (mobile) Hydraulic
- ✓ and many more

Approvals

- ✓ EN 50082-1
- ✓ EN 50082-2

Sales and Consulting

+49-6251-8462-0
info@fluidio.de

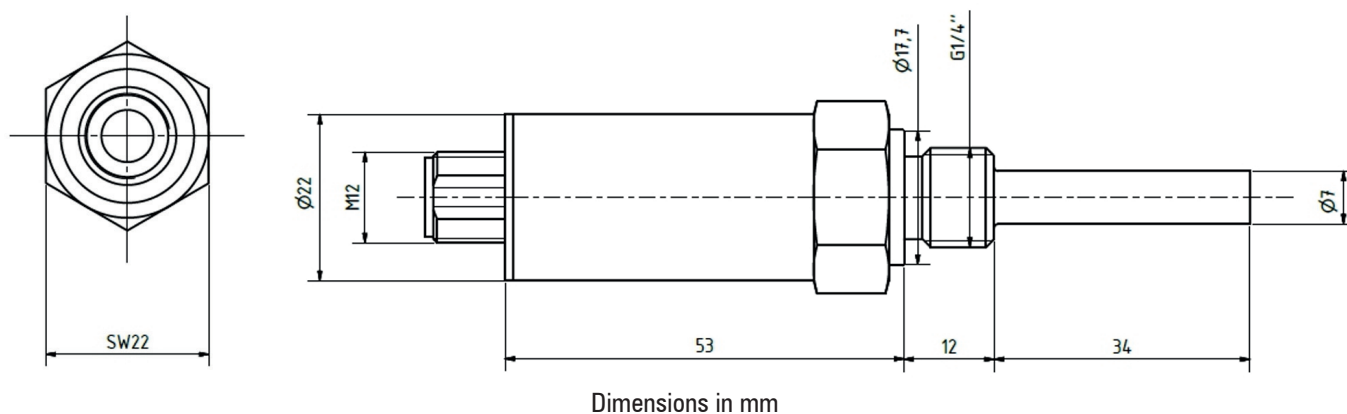
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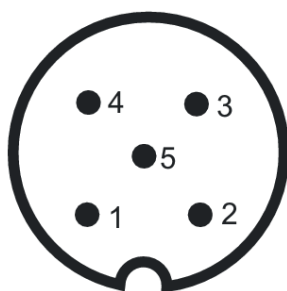
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Dimensions and connections

Dimensional drawings



Pin assignment



Auf die Schraubklemme
gesehen

PIN	Notes
1	Programmier-PIN nicht belegen!
2	Betriebsspannung 12 V $\pm$ 20 %
3	GND/CAN_GND
4	CAN_H
5	CAN_L

Instructions for use

Pneumatic or hydraulic sealing is achieved using standard flat gaskets or O-rings. (See also DIN)

The permissible tightening torque is 25 Nm.

Order information

Scope of Delivery

CAN-Bus temperature sensor TSR-CAN-03

Manual / EDS o. DBC File

OPTION measuring range: extended up to + 150 °C

OPTION measuring tip: Adjusting the measuring tip length

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