

# Product innovation

## Temperature range controller

### TGM 050 FW T1/T2



### *Secure correct temperature range under pressure*

- Monitoring of temperature range from  $-25\text{ °C}$  up to  $+85\text{ °C}$
- Compact design – Easy installation
- Safe to use at pressure up to 250 bar
- Protection IP 68 on cable site

#### Application

The TGM 050 FW monitors predetermined temperature ranges between  $-25\text{ °C}$  to  $85\text{ °C}$  in liquid media and at pressure up to 250 bar. The minimal range monitored covers  $2\text{ °C}$ . The PNP switching output is active as long as the fluid temperature is within the desired range. Thus you are able to control processes where it is crucial to keep the medium temperature in a defined range.

#### Installation

The sensor is provided with a G1/2-thread and can be installed into the pipe by a T-piece.

#### Type

TGM 050 FW T1/T2      P.....

#### Technical data

Switching point 1:	$-25\text{ °C}...+83\text{ °C}$ delivered as required
Switching point 2:	$-23\text{ °C}...+85\text{ °C}$ delivered as required
Ambient temperature:	$-25\text{ °C}...+75\text{ °C}$
Supply voltage:	24 V DC $\pm 10\%$ , reverse protection
Switching output:	PNP-NO, short circuit proof
Switching current:	max. 200 mA at $T_u = 25\text{ °C}$
Current consumption:	max. 15 mA
Voltage drop:	max. 1 V
Protection [EN 60529]:	IP 68
Housing material:	AISI 316 Ti
Compressive strength (25 °C):	250 bar
Electrical connection:	M12 connector

#### More information

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