Programmable temperature sensors with digital display | TN 552/1 GPP

- Programmable temperature sensor with digital display
- Detection range – 40° C...120° C
- With analogue output and switching output or two switching outputs
- Programmable functions, such as temperature window monitoring, hysteresis, min/max storage
- The sensor uses a PT100 measuring resistor
- For smart temperature control in processes



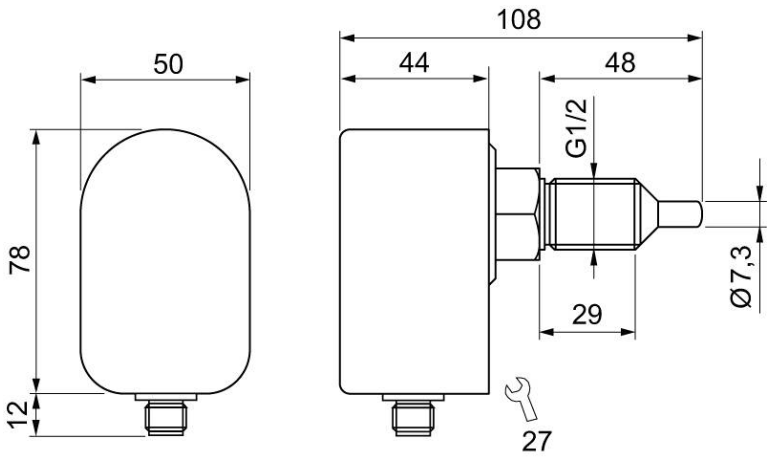
G1/2 - sensor length 48 mm - Output 2x PNP programmable

TYPE	TN 552/1 GPP
Product ID	P71018
Detection range °C	-40 °C ... 120 °C
Measuring range °C	-40 °C ... 120 °C
Process connection	G1/2
Output	2 x switching output
Output function	PNP-NO / NC
Supply voltage	24 V DC +/- 10 %
Current consumption max.	100 mA
Switching current max.	200 mA
On-Off delay max.	50 s
Voltage drop max.	2.5 V
Display resolution	0.1 °C / 0.5 °F
Range limit values	-39...120 °C / -39...248 °F
Range hysteresis	0.5...99 °C / 1...179 °F
Range Window	0.5...99 °C / 1...179 °F
Time delay	0...50 s
Ambient temperature	-20 °C ... 60 °C
Medium temperature	-40 °C ... 120 °C
Programmable functions	two switching points, min/max memory, hysteresis, window, NC/NO

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Compressive strength (at 25°C)	100 bar
Material sensor touched by medium	stainless steel AISI 316 Ti
Material housing	PBT
Protection [EN 60529]	IP 65
Electrical connection	M12 connector

Technical Image



Pin Map

