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

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

G1/2 - sensor length 48 mm - Output PNP programmable + Output 4...20 mA

TYPE	TN 552/1 GAPP
Product ID	P71020
Detection range °C	-40 °C ... 120 °C
Measuring range °C	-40 °C ... 120 °C
Process connection	G1/2
Output	analog output 4...20 mA, switching output
Output function	PNP-NO / NC
Supply voltage	24 V DC +/- 10 %
Current consumption max.	200 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	switching point, min/max memory, hysteresis, window, NC/NO

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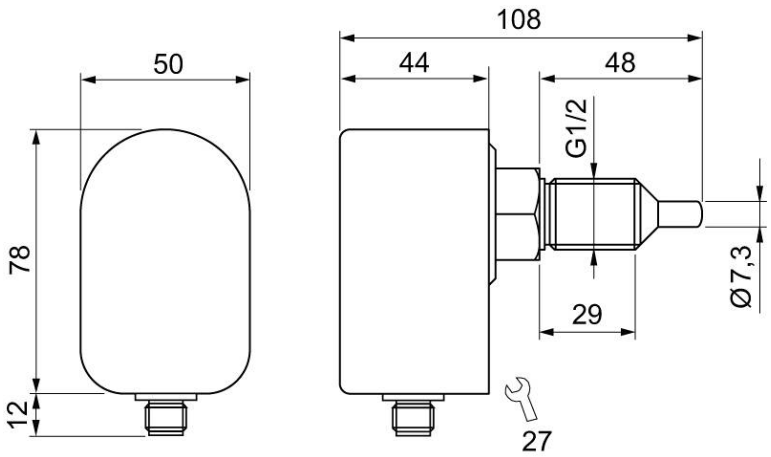
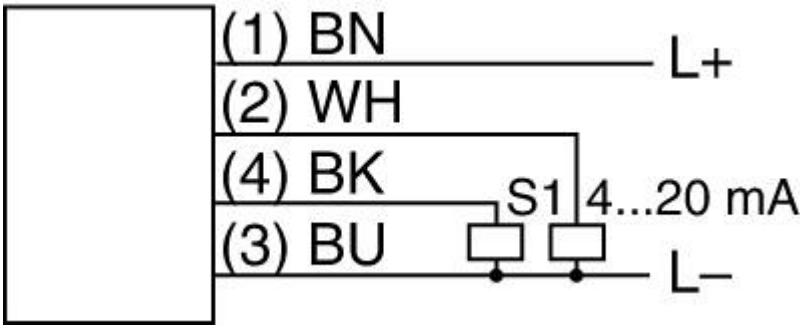
TEL. +49 4346 41580 . ege-elektronik.com

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



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