

## Switching point and analog output

### Series TN 552

#### Measuring range

-40 °C...+120 °C / -40 °F...+248 °F

Switching point and analog output, hysteresis and temperature window easily programmable

#### Rotable display

Switch-over °C - °F



Design	DC • G1/2 • L= 31 mm	DC • G1/2 • L= 48 mm
Dimensions		
Detection range	-40...+120 °C (-40...+248 °F)	
Output		
ID-No.	P71019	P71020
Type	TN 552 GAPP	TN 552/1 GAPP
Supply voltage [V]	24 DC ±10%	
Current consumption [mA]	<200	
Voltage drop [V]	<2.5	
Analog output [mA]	4...20, scalable, Detection range min. 16 °C / 29 °F	
Switching current [mA]	200	
Ambient temperature [°C]	-20...+60	
Medium temperature [°C]	-40...+120	
Response time [s]	typ. 10	
Resolution display [°C/°F]	0.1 / 0.5	
Range limit values [°C/°F]	-39...+120 / -39...248 (0.5 / 1 Step)	
Range hysteresis [°C/°F]	0.5...99 / 1...179 (0.5 / 1 Step)	
Range window [°C/°F]	0.5...99 / 1...179 (0.5 / 1 Step)	
Time delay [s]	0...50 (0.5 / 1 Step)	
Programmable functions	one switching point, hysteresis/window, switching output NC/NO, MIN- / MAX- memory function	
Compressive strength [bar]	100	
Housing material	housing: PBT sensor: AISI 316 Ti	
Protection [EN 60529]	IP 65	
Connection	M12 connector	
Accessories	see page 7.06	