

## Two switching points and analog output

### Series TN 553

Exchangeable during ongoing operations through use of threaded sleeve

Measuring range  $-40...+120\text{ }^{\circ}\text{C}$

Two switching points, hysteresis and temperature window easily programmable



Design	DC • G1/2		AC • G1/2
Dimensions			
Detection range [°C]	-40...+120		
Output	2x  PNP NC/NO	+  4...20 mA	2x  NC/NO, progr.
ID-No.	P71021	P71022	P71023
Type	TN 553/1 GPP	TN 553/1 GAPP	TN 553/1 WP
Supply voltage [V]	24 DC $\pm 10\%$	24 DC $\pm 10\%$	230 AC $\pm 10\%$
Current consumption [mA]	60	60	20
Voltage drop [V]	<2.5	<2.5	<10
Ambient temperature [°C]	-20...+60		
Medium temperature [°C]	-40...+120		
Response time [s]	typ. 10...30		
Resolution display [°C]	0.1		
Range limit values [°C]	-39...+120 (0.5 / 1 Step)		
Range hysteresis [°C]	0.5...99 (0.5 / 1 Step)		
Range window [°C]	0.5...99 (0.5 / 1 Step)		
Time delay [s]	0...50 (0.5 / 1 Step)		
Programmable functions	two switching points, hysteresis/window, switching output NC/NO, MIN-/MAX- memory function		
Compressive strength [bar]	20		
Housing material	housing: PBT sensor and sleeve: AISI 316 Ti		
Protection [EN 60529]	IP 65		
Connection	M12 connector	1/2"-20UNF, 5-pol.	
Accessories	2x flat gasket, threaded sleeve, heat conducting paste		