



TS300

Spring-loaded temperature sensor

General information

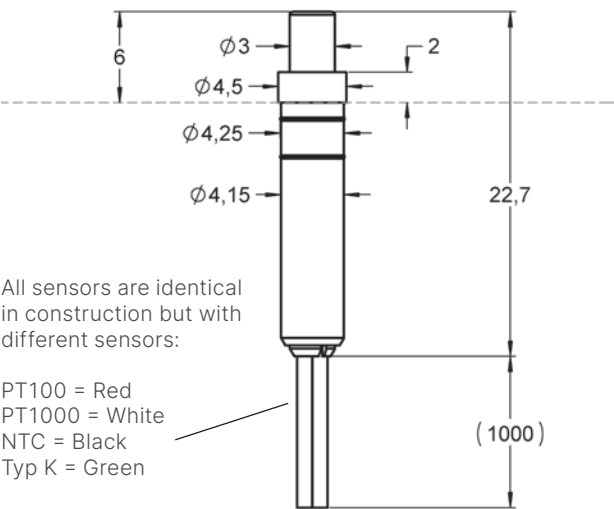
Pitch [mm/mil]	5.00 / 197
Temperature [°C]	-45°C...+200°C

Mechanical specifications

Preload [cN]	70
Spring force [cN] at nt	200
Nominal travel [mm]	3.0
Maximum travel [mm]	4.0

Materials and plating

Sensor head	Stainless steel, unplated
Barrel	Syntetic, unplated
Spring	Stainless steel, unplated



Spezifikationen	TS300PT100200	TS300PT1000200	TS300NTC200	TS300TYPK200
Order code	1033230	1125763	1033193	1033232
Sensor Type	PT100	PT1000	NTC	Typ K
Measuring principle	resistance	resistance	thermistor	thermocouple
Accuracy / grade	B	A	B	2
Response time t63 (related to medium water)	ca. 2 sec.	ca. 2 sec.	ca. 2 sec.	ca. 2 sec.
Response time t63 (related to metal contact in air)	ca. 30 sec.	ca. 30 sec.	ca. 30 sec.	ca. 30 sec.
Switching type	2-wire	2-wire	2-wire	2-wire
Receptacle potential-free / galvanically isolated	yes	yes	yes	yes
Cable diameter	ca. 2,0 mm	ca. 2,0 mm	ca. 2,0 mm	ca. 1,0 mm
Cable length	1,0 m (extendable)	1,0 m (extendable)	1,0 m (extendable)	1,2 m (not extendable)
Cable insulation	Teflon	Teflon	Teflon	Teflon
Cable end	stripped	stripped	stripped	unassembled
Protection class	watertight IP67	watertight IP67	watertight IP67	watertight IP67
Sensor cable colour	red	white	black	green
Drill size [mm]	4,2 H7	4,2 H7	4,2 H7	4,2 H7