



Filters . Accumulators

Temperature Switch Type : TST1

Applications

Cooling fans.
Heating technologies.
Media : Compressed air, liquids.

Technical Data

Mechanical Connection	: 1/2" BSP, M22x1.5.
Contact	: NO or NC
Rated Voltage	: 250 VAC 50 Hz/60 Hz
Rated Current	: 10A
Contact Resistance	: 50mΩ
Body Material	: Brass
Electrical Connection Type	: Socket DIN 43650 2P+T
Protecting Class	: IP55
Max. Media Temperature	: +205°C [401°F]
Working Cycle	: 100,000 cycles



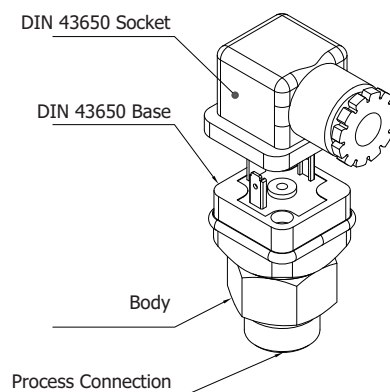
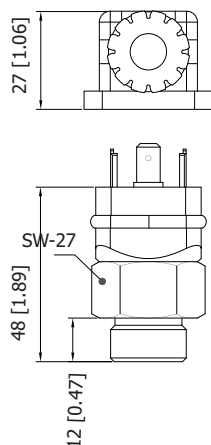
Description

TST1 Series Bimetallic Thermostats opens or closes the electrical circuit depending on temperature is rising or dropping in order to reach a fixed value of temperature. Thermostats fixed temperature values are from 35°C [95°F] to 120°C [248°F]. Product provides NO (Normal Open) option. It can be manufactured as NC (Normal Closed). Electrical connection can be made using square socket on the thermostat. They are classified based on contact temperatures and mechanical connection types.

Features

- Reproducibility.
- Compact design.
- Body material is Brass.

Dimensions



Dimensions in mm [inch]

Ordering Code

1 2 3 4 5 6
TST1 - 040 - G04M - B - T - NOD-A

1	Series	Temperature Switch - Threaded - Bimetal	= TST1
2	Set Temperature	35°C [95°F] 40°C [104°F] 50°C [122°F] 60°C [140°F] 70°C [158°F] 80°C [176°F] 90°C [194°F] 100°C [212°F] 110°C [230°F] 120°C [248°F]	= 035 = 040 = 050 = 060 = 070 = 080 = 090 = 100 = 110 = 120
3	Connection	1/2" BSP(M) M22x1.5(M)	= G04M = M34M
4	Body	Brass	= B (standard)
5	Sealing	Teflon Copper	= T = C
6	Electrical Connection	Normally Open with DIN Socket - Form A Normally Closed with DIN Socket - Form A	= NOD-A (standard) = NCD-A

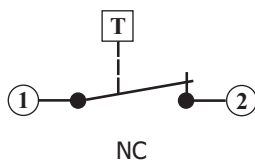
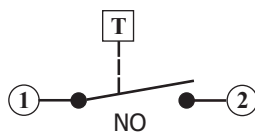
* Before ordering, check for availability.

Operating Temperature Values

Model	TST1 035	TST1 040	TST1 050	TST1 060	TST1 070	TST1 080	TST1 090	TST1 100	TST1 110	TST1 120
Contact Value	35 [95]	40 [104]	50 [122]	60 [140]	70 [158]	80 [176]	90 [194]	100 [212]	110 [230]	120 [248]
High Contact Value	35 ±3 [95 ±5]	40 ±3 [104 ±5]	50 ±3 [122 ±5]	60 ±3 [140 ±5]	70 ±3 [158 ±5]	80 ±3 [176 ±5]	90 ±3 [194 ±5]	100 ±3 [212 ±5]	110 ±3 [230 ±5]	120 ±3 [248 ±5]
Low Contact Value	20 ±5 [68 ±9]	25 ±5 [77 ±9]	35 ±5 [95 ±9]	45 ±5 [113 ±9]	55 ±5 [131 ±9]	65 ±5 [149 ±9]	75 ±5 [167 ±9]	85 ±5 [185 ±9]	95 ±5 [203 ±9]	105 ±5 [221 ±9]

Temperature in °C [°F]

Electrical Connection



Working Ampere / Voltage : 10 A / 250 VAC

Electrical Connection	EN 175301-803, 3-TERMINAL + PE
Max. Contact Surface	1.5 mm ²
Minimum Current	1mA 12 V DC
Maximum Current	10A 250 V AC