Features

- Thermister temperature sensors are made of Negative Temperature Coefficient (NTC) embedded in a PVC or metal sleeve with a thermally-conductive sealer.
- Sensor TC
- lead-in cable to sensor TC is made of wire CYSY 2D x 0.5 mm/0.02”.
- Temperature sensors can be connected directly to the terminal block.
- Cable lengths can not be changed, connected or modified.

RS PRO Reed Relays

0326823

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Product Description

- *Thermister temperature sensors are made of Negative Temperature Coefficient (NTC) embedded in a PVC or metal sleeve with a thermally-conductive sealer.*
- *Sensor TC*
- *lead-in cable to sensor TC is made of wire CYSY 2D x 0.5 mm/0.02".*
- *silicone insulation for use in high temperature applications.*
- *Temperature sensors can be connected directly to the terminal block.*
- *Cable lengths can not be changed, connected or modified.*

Technical parameters

Range:	–20.. +80 °C (–4 ..176 °F)
Scanning element:	NTC 12K
Tolerance:	±(0.15°C + 0.002|t|)
In air/in water:	(τ0.5) ≤ 18 s
In air/in water:	(τ0.9) ≤ 48 s
Cable material:	PVC unshielded, 2x 0.25 mm²
Terminal material:	polyamide
Protection degree:	IP67
Electrical strength:	2500 VAC
Insulation resistance:	> 200 MΩ at 500 VDC

τ65 (95): time, which sensor needs to heat up on 65 (95) % of ambient temperature of environment, in which is located.

Types of temperature senzor

Length:	3 m
Weight:	70 g

Odporové hodnoty senzorů v závislosti na teplotě

Temperature (°C/°F)	Sensor NTC (kΩ)
20 68	14.7
30 / 86	9.8
40 / 104	6.6
50 / 122	4.6
60 / 140	3.2
70 / 158	2.3

Tolerance of sensor NTC 12 kΩ is ± 5 % by 25 °C/77 °F.
Long-term resistence stability by sensor Pt100 is 0.05 % (10 000 hours).

Design and dimension

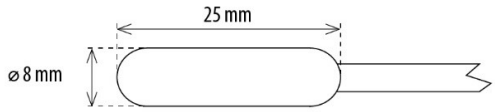
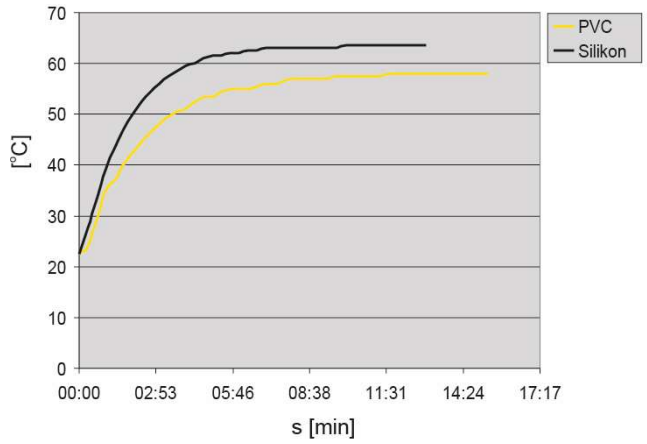


Diagramm of sensor warm up via air



PVC - reaction to air temperature from 22.5 °C .. 58 °C (from 72.5 ..136.4 °F).
Silicone - reaction to air temperature from 22.5 °C .. 63.5 °C (from 72.5 .. 144.5 °F).