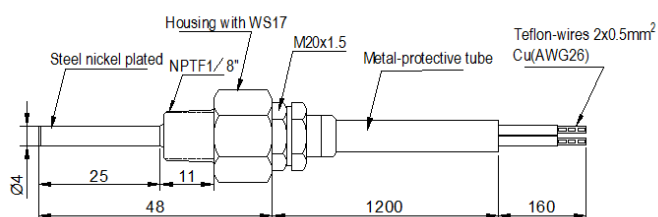
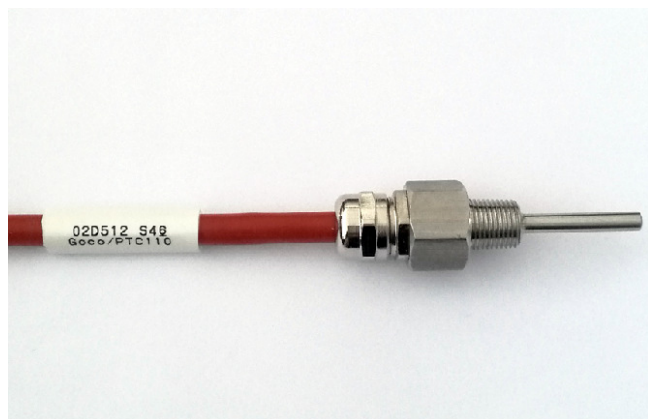


PTC screw in thermal sensor



Application

PTC sensors are used for monitoring the temperatures on machines and systems. The shape's design makes it possible to achieve short thermal response times and facilitates the installation.

Technical specifications

Max. operation voltage	30V
Nominal response temperature	110°C
Characteristic line	Acc. To DIN 44081
Tolerance of Eta-NRT	±5K
Reproducibility of Eta-NRT	±0.5K
Initial resistance R ₂₅	≤100Ω
Resistance at a thermistor temperature of Eta -5K	≤550Ω
Resistance at a thermistor temperature of Eta +5K	≥1330Ω
Resistance at a thermistor temperature of Eta +15K	≥4KΩ
Insulation test voltage (U _{is})	AC 1.5KV
Measuring voltage (V _{meas})	≤2.5 VDC
Rated resistance (R _R /V _{PTC<2.5V})	≤250Ω
Protection class acc. To EN 60529	IP65
Max. output pressure	46bar
Material	Stainless steel
Permitted refrigerants	Not corrosive, not inflammable
Mechanical tolerance	Acc. To ISO 2768-m
Operating temperature range	-40...180°C
ATEX	Upon request

Order data

1400mm	02D512S46
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