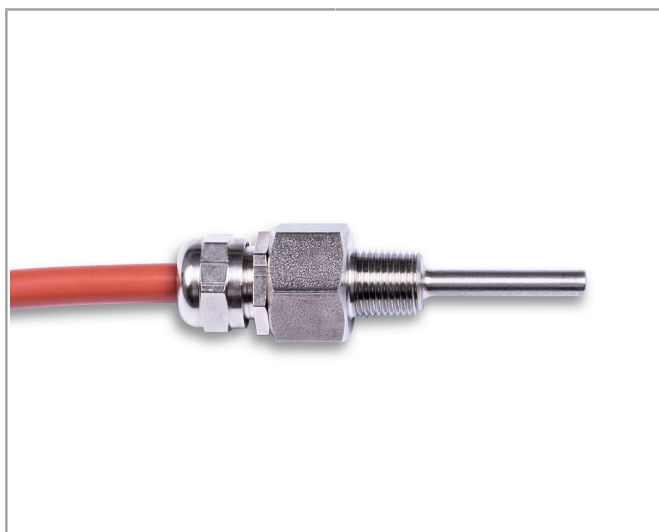
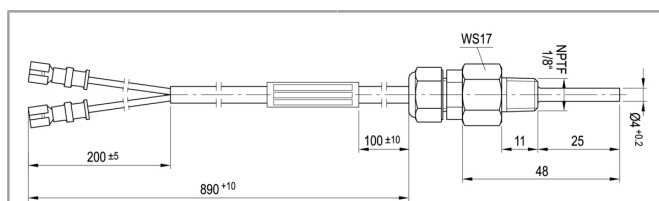


PTC Screw-in sensor

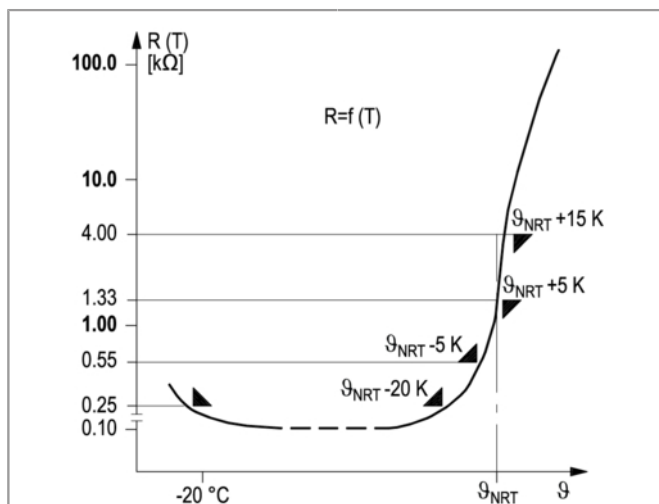


PTC Screw-in sensor

Illustration similar. Scope of delivery may deviate.



Dimensions in mm



Characteristics curve

Application

PTC Screw-in sensors with PTCs according to DIN VDE V 0898-1-401 are used to protect electrical machines against thermal overload.

Functional description

KRIWAN PTC screw-in thermal sensors with the same or differing nominal response temperatures can also be switched in series.

This makes it possible to monitor different limit temperatures at low cost. KRIWAN PTC screw-in thermal sensors feature a particularly steep R/T characteristics curve.

The structural design is optimized for a low thermal inertia.

Technical specifications

Max. operation voltage U_{max}	30 V
Nominal response temperature	120 °C
Tolerance of ϑ_{NRT}	± 5 K
Initial resistance R_{25}	$\leq 100 \Omega$
Resistance at a thermistor temperature of	
– $\vartheta_{NRT} - 5$ K	$\leq 550 \Omega$
– $\vartheta_{NRT} + 5$ K	$\geq 1330 \Omega$
– $\vartheta_{NRT} + 15$ K	≥ 4 k Ω
Insulation test	$U_{eff} = 1500$ V~
Operating temperature T_{oper}	$-25 \text{ °C} \leq T_{oper} \leq T_{NRT} + 23$ K
Protection class according to EN 60529	IP67
Connection	
– Cross-section	2x0.25 mm ²
– Sheath insulation	SiHF
Operating pressure	150 bar
Tightening torque	15 Nm
Permissible media	Non-corrosive media which does not attack the material. A test is recommended for individual cases.
Housing material	V2A stainless steel
Dimensions	See dimensions in mm
Testing basis	DIN VDE V 0898-1-401

Order data

PTC Screw-in sensor	02 D 512 S31
Further product information	see www.kriwan.com

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