

CABLE TEMPERATURE SENSOR TEKY6 NI 1000

TEKY6 NI 1000 temperature sensor is designed for automatic HVAC systems.

Temperature is detected by a Ni 1000 element with a nominal resistance of 1000 Ω at 0 °C.

Sensor element is inserted in a sleeve of stainless steel. Rolled sleeve gives good protection against water and dust (IP67).

There is also available TEKY6S sensor with a silicone cable for harsh conditions.

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	1760	25	1141
100	1618	20	1112
90	1549	15	1084
80	1483	10	1056
75	1450	5	1028
70	1417	0	1000
65	1385	-5	973
60	1353	-10	946
55	1322	-15	919
50	1291	-20	893
45	1260	-25	867
40	1230	-30	842
35	1200	-40	791
30	1171	-50	743



Technical data:

sensor		1 k Ω Ni element
sleeve		\varnothing 6 mm x 45 mm, stainless steel
cable		
	TEKY6	\varnothing 5 mm x 2.3 m, PVC
	TEKY6S	\varnothing 5 mm x 2.3 m, silicone
range		
	TEKY6	-30...+80 °C
	TEKY6S	-50...+150 °C
accuracy		\pm 0.4 °C (at 0 °C)
cable gland		IP67

Ordering guide:

Model	Product number	Description
TEKY6 NI 1000	117C320	IP67 sensor, 1000 Ω Ni element
TEKY6S NI 1000	117C340	IP67 sensor, 1000 Ω Ni element

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-2001: 6 (Emission) and EN61000-3-2001: 2 (Immunity).