

CABLE TEMPERATURE SENSOR TEKY6 NTC 10

TEKY6 NTC 10 temperature sensor is designed for automatic HVAC systems

Temperature is detected by a NTC element with a nominal resistance of 10 k Ω (at 25 °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	389	25	10 000
100	679	20	12 490
90	916	15	15 710
80	1256	10	19 900
75	1480	5	25 400
70	1751	0	32 660
65	2082	-5	42 340
60	2488	-10	55 340
55	2986	-15	72 980
50	3602	-20	97 120
45	4368	-25	130 400
40	5326	-30	177 000
35	6532	-40	337 270
30	8055	-50	672 600



Technical data:

sensor		10 k Ω NTC 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 0.2 °C (at 25 °C)
protection class		IP67

Ordering guide:

Model	Product number	Description
TEKY6 NTC 10	1175320	flying lead sensor, 10 k Ω NTC element
TEKY6S NTC 10	1175340	flying lead sensor, 10 k Ω NTC 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).