

CABLE TEMPERATURE SENSOR TEKY6 NTC 20

TEKY6 NTC 20 temperature sensor is designed for automatic HVAC systems.

Temperature is detected by a NTC element with a nominal resistance of 20 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).

Silicone cable version TEKY6S is available for more demanding conditions.

Sensor resistance at different temperatures

°C	Ω	°C	Ω
120	351	25	20 000
100	1114	20	25 350
90	1541	15	32 346
80	2166	10	41 567
75	2585	5	53 812
70	3099	0	70 203
65	3732	-5	92 322
60	4517	-10	122 431
55	5494	-15	163 777
50	6718	-20	221 088
45	8259	-25	301 297
40	10 211	-30	414 698
35	12 698	-40	810 861
30	15 887	-50	165 9082



Technical data:

sensor	20 k Ω NTC element
sleeve	Ø 6 mm x 45 mm, stainless steel
cable	TEKY6 Ø 5 mm x 2,3 m, PVC
	TEKY6S Ø 5 mm x 2,3 m, silicone
range	TEKY6 -30...+80 °C
	TEKY6S -50...+150 °C
cable	Ø 3.2 mm x 2.3 m, PVC
range	-30...+80 °C
accuracy	±0.25 °C (at 25 °C)
protection class	IP67

Ordering guide:

Model	Product number	Description
TEKY6 NTC 20	1176320	flying lead sensor, 20 k Ω NTC element
TEKY6S NTC 20	1176340	flying lead sensor, 20 k Ω NTC element

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