

CABLE TEMPERATURE SENSOR TEKY6 NTC 1.8

TEKY6 NTC 1.8 temperature sensor is designed for automatic HVAC systems.

Temperature is detected by a NTC element with a nominal resistance 1.8 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).

Sensor resistance at different temperatures

°C	Ω	°C	Ω
120	110	25	1800
100	178	20	2177
90	230	15	2649
80	303	10	3241
75	349	5	3989
70	403	0	4940
65	468	-5	6159
60	545	-10	7730
55	638	-15	9771
50	750	-20	12 443
45	885	-25	15 969
40	1049	-30	20 659
35	1250	-40	35 480
30	1496	-50	63 229



Technical data:

sensor	1.8 k Ω NTC element
sleeve	\varnothing 6 mm x 45 mm, stainless steel
cable	\varnothing 5 mm x 2.3 m, PVC
range	-30...+80 °C
accuracy	\pm 0.3 °C (at 25 °C)
cable gland	IP67

Ordering guide:

Model	Product number	Description
TEKY6 NTC 1.8	117E330	flying lead sensor, 1.8 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).