

DUCT TEMPERATURE SENSOR TEKHA NTC 1.8

TEKHA NTC 1.8 temperature sensor is designed for automatic ventilating systems to detect duct temperature.

Temperature is detected by a NTC sensor element with a nominal resistance of 1.8 k Ω at 25 °C.

Sensor is mounted to the duct by means of an adjustable duct connection flange for optimal temperature detection. Installation depth is adjustable up to 100 mm.

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	NTC 1.8 element, 1.8 k Ω at 25 °C
stem	\varnothing 6 mm x 100 mm, acid proof steel
duct connection	flange
prot. class	IP54
cable	PVC 2m (LIYY 2 x 0,14)
range	-50...70 °C
accuracy	\pm 0.3 °C (at 25 °C)

Ordering guide:

Model	Product number	Description
TEKHA NTC 1.8	117E290	duct temperature sensor 1.8 k Ω at 25 °C

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