

DUCT TEMPERATURE SENSOR TEKHA NTC 2.2

TEKHA NTC 2.2 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 2.2 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	90	25	2252
100	153	20	2813
90	207	15	3538
80	283	10	4482
75	334	5	5718
70	395	0	7353
65	469	-5	9533
60	560	-10	12 460
55	673	-15	16 428
50	811	-20	21 860
45	984	-25	29 398
40	1200	-30	39 908
35	1471	-40	75 953
30	1814	-50	151 470



Technical data:

sensor	NTC 2.2 element, 2.2 k Ω at 25 °C
stem	Ø 6 mm x 100 mm, acid proof steel
duct connection	flange
protection class	IP54
cable	PVC 2 m (LIYY 2 x 0,14)
range	-50...+70 °C
accuracy	±0.25 °C (at 25 °C)

Ordering guide:

Model	Product number	Description
TEKHA NTC 2.2	1172290	duct temperature sensor 2.2 k Ω at 0 °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).