

DUCT TEMPERATURE SENSOR TEKHA PT 100

TEKHA PT 100 temperature sensor is designed for automatic ventilating systems to detect duct temperature.

Temperature is detected by a Pt100 sensor element with a nominal resistance of 100 $\Omega/0$ °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 90mm.



Technical data:

Sensor	Pt100 EN 60751/B
Stem	Ø 6 mm x 115 mm
Duct connection	flange
Prot. class	IP54
Cable	LIYY 2 x 0,14
Range	-50...70 °C
Accuracy	±0.3 °C (at 0 °C)

Temperature/Resistance:

°C	PT 100 / Ω	°C	PT 100 / Ω
120	146.06	25	109.73
100	138.50	20	107.79
90	134.70	15	105.85
80	130.89	10	103.90
75	128.98	5	101.95
70	127.07	0	100.00
65	125.16	-5	98.04
60	123.24	-10	96.09
55	121.32	-15	94.12
50	119.40	-20	92.16
45	117.47	-25	90.19
40	115.54	-30	88.22
35	113.61	-40	84.27
30	111.67	-50	80.31

Ordering guide:

Model	Product number	Description
TEKHA PT 100	1173290	duct temperature sensor 100 ohm / 0 °C

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

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