STRAP-ON TEMPERATURE SENSOR TEP NTC 2.2

TEP NTC 2.2 temperature sensor is designed for automatic HVAC systems to detect radiator temperatures.

Temperature is detected by a NTC sensor element with a nominal resistance of 2.2 kΩ at 25 °C.

Housing is made of heat-resistant plastic. The screw cover and terminal blocks tilted to 45° make an easy installation. Sensor is mounted on the pipe by means of an adjustable tie.

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, 2.2 kΩ at 25 °C
housing	plastic (<120 °C)
pipe	Ø 40…90 mm
protection class	IP54, stem or cable gland downwards
cable entry	M16
range	-50…+120 °C
accuracy	±0.25 °C (at 25 °C)
time constant	about 5 s
materials	PBT, PC, PA, zink casting

Ordering guide:

Model	Product number	Description
TEP NTC 2.2	1172080	temperature sensor 2.2 kΩ 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).

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