

OUTDOOR TEMPERATURE SENSOR TEU NTC 2.2

TEU NTC 2.2 temperature sensor is designed for detecting outdoor temperatures in automatic HVAC systems.

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

Housing is made of weather-proof plastic. The cover and the terminal blocks are tilted 45° to provide easy installation. Sensor is mounted on the wall by using screws.

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	2.2 kΩ NTC element
Measuring range	-50...+50 °C
Accuracy	±0.25 °C (at 25 °C)
Cable gland	M16
Housing	weather-proof plastic
Protection class	IP54, cable gland downwards
Mounting	with Ø 4.5 mm screws, hole distance 82 mm

Ordering guide:

Model	Product number	Description
TEU NTC 2.2	1172090	outdoor 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).