

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 k Ω 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 k Ω 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 \varnothing 4.5 mm screws, hole distance 82 mm |

Ordering guide:

| Model | Product number | Description |
|-------------|----------------|---|
| TEU NTC 2.2 | 1172090 | outdoor temperature sensor, 2.2 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).