

DUCT TEMPERATURE SENSOR TEK NTC 20

TEK NTC 20 temperature sensor is designed for automatic ventilating systems to detect duct temperature.

Temperature is detected by an NTC thermistor with a nominal resistance of 20 k Ω /25 °C.

The screw cover and the terminal blocks tilted to 45° make an easy installation.

Housing is made of heat resistant plastic.

Sensor is mounted to the duct by means of an adjustable duct connection flange for optimal temperature detection.

Installation depth can be adjusted between ca 100...220 mm.



Technical data:

| | |
|-----------------|------------------------------------|
| Sensor | 20 k Ω NTC thermistor |
| Stem | \varnothing 8 mm x 220 mm |
| Duct connection | flange |
| Housing | plastic (< 120 °C) |
| Prot. class | IP 54, cable entry or stem down |
| Cable entry | M16 |
| Range | -50...70 °C |
| Accuracy | \pm 0.2 °C (at 25 °C) |

Temperature/Resistance:

| °C | NTC 20 / Ω | °C | NTC 20 / Ω |
|-----|-------------------|-----|-------------------|
| 120 | 609 | 25 | 20000 |
| 100 | 1114 | 20 | 25350 |
| 90 | 1541 | 15 | 32346 |
| 80 | 2166 | 10 | 41567 |
| 75 | 2585 | 5 | 53812 |
| 70 | 3099 | 0 | 70203 |
| 65 | 3732 | -5 | 92322 |
| 60 | 4517 | -10 | 122431 |
| 55 | 5494 | -15 | 163777 |
| 50 | 6718 | -20 | 221088 |
| 45 | 8259 | -25 | 301297 |
| 40 | 10211 | -30 | 414698 |
| 35 | 12698 | -40 | 810861 |
| 30 | 15887 | -50 | 1659082 |

Ordering guide:

| Model | Product number | Description |
|------------|----------------|--|
| TEK NTC 20 | 1176040 | duct temperature sensor 20 kohm / 25 °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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