

TEL NTC 20-5M FLOOR TEMPERATURE SENSOR

TEL NTC 20-5M temperature sensor is designed for automatic HVAC systems for measuring floor temperatures.

Temperature is detected by a NTC element with a nominal resistance of 20 k Ω (at 25 °C).

Use metal or plastic pipe installed into the floor construction for mechanical protection. Rigid cable helps the installation inside the protection pipe.

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	351	25	20 000
100	1114	20	25 350
90	1541	15	32 346
80	2166	10	41 567
75	2585	5	53 812
70	3099	0	70 203
65	3732	-5	92 322
60	4517	-10	122 431
55	5494	-15	163 777
50	6718	-20	221 088
45	8259	-25	301 297
40	10 211	-30	414 698
35	12 698	-40	810 861
30	15 887	-50	165 9082



Technical data:

Sensor	20 k Ω NTC element
Cable	Ø 3 mm x 5 m, 2 x AWG24 (rigid, double insulation)
Sensor end dimensions	Ø 5 mm x 20 mm
Temperature range	-50...105 °C
Accuracy	±0,2 °C (at 25°C)
Protection class	IP68

Ordering guide:

Model	Product number	Description
TEL NTC 20-5M	1176281	floor temperature sensor 20 k Ω / 25 °C

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