

Data Sheet

# Temperature sensor Type **MBT 400**

Wall mount temperature sensor.



Pt 1000 temperature sensor developed for measuring room temperature.  
Pt-element according to EN 60751.

**Features:**

- Designed for use in severe industrial environments
- Enclosure IP 54
- Cable material PVC
- Sensor cover ABS
- Sensor bottom PC (polycarbonate)s

**Product specification**

**Technical data**

Table 1: Technical data

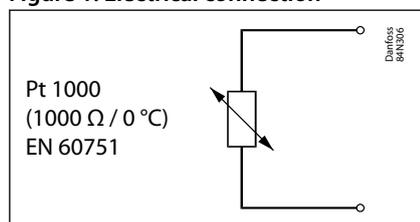
Features	Description
Nominal resistance	1000 ohm at 0 °C
Measuring accuracy	EN 60751 Class B
Temperature range	-50 – 50 °C
Cable material	PVC, 2 x 0.25 mm <sup>2</sup>
Sensor	Cover: ABS Bottom: PC (polycarbonate)
Enclosure	IP 54
Time constant in air	T90 = 3 – 15 min.

Table 2: Temperature data

R (Typ.) Ohm	Temp. °C	Temp. °F
1117	30	86
1078	20	68
1039	10	50
1000	0	32
961	-10	14
922	-20	-4
882	-30	-22

**Electrical connection**

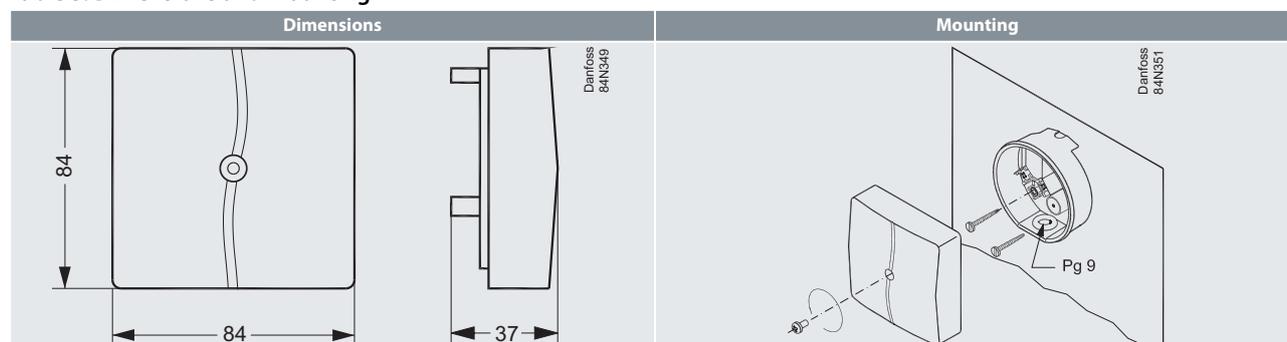
Figure 1: Electrical connection



Connection cable: 2 x 0.4 – 1.5 mm<sup>2</sup>

**Dimensions and Mounting**

Table 3: Dimensions and Mounting



## Ordering

**Table 4: Ordering**

Type	Weight approx (kg)	Number	Code no.
MBT 400	0.200	1	084N1025

## Certificates, declarations, and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

Some approvals may change over time. You can check the most current status at [danfoss.com](http://danfoss.com) or contact your local Danfoss representative if you have any questions.

**Table 5: MBT 400**

File name	Document type	Document topic	Approval authority
084R1022.01	Manufacturers Declaration	China RoHS	Danfoss
OC.C.32.004.A 75977	Measuring - Performance Certificate	-	GOST

## Online support

Danfoss offers a wide range of support along with our products, including digital product information, software, mobile apps, and expert guidance. See the possibilities below.

### The Danfoss Product Store



The Danfoss Product Store is your one-stop shop for everything product related—no matter where you are in the world or what area of the cooling industry you work in. Get quick access to essential information like product specs, code numbers, technical documentation, certifications, accessories, and more.

Start browsing at [store.danfoss.com](https://store.danfoss.com).

### Find technical documentation



Find the technical documentation you need to get your project up and running. Get direct access to our official collection of data sheets, certificates and declarations, manuals and guides, 3D models and drawings, case stories, brochures, and much more.

Start searching now at [www.danfoss.com/en/service-and-support/documentation](https://www.danfoss.com/en/service-and-support/documentation).

### Danfoss Learning



Danfoss Learning is a free online learning platform. It features courses and materials specifically designed to help engineers, installers, service technicians, and wholesalers better understand the products, applications, industry topics, and trends that will help you do your job better.

Create your Danfoss Learning account for free at [www.danfoss.com/en/service-and-support/learning](https://www.danfoss.com/en/service-and-support/learning).

### Get local information and support



Local Danfoss websites are the main sources for help and information about our company and products. Find product availability, get the latest regional news, or connect with a nearby expert—all in your own language.

Find your local Danfoss website here: [www.danfoss.com/en/choose-region](https://www.danfoss.com/en/choose-region).