



Cabel temperature sensors      QAH11...

Use

The sensor is for use in HVAC plants to acquire the temperature in fan coil units. It is used as:

- a return air temperature sensor
- a changeover sensor

Type summary

| Features   | Typ reference  |
|--|----------------|
| Cabel temperature sensor with plug connectors 2.8 x 0,8 mm   | <b>QAH11</b>   |
| Cabel temperature sensor with crimp sleeve cable termination | <b>QAH11.1</b> |

Accessories

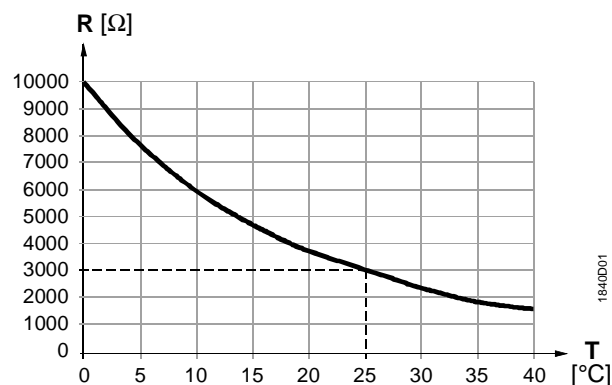
| Name                                     | Typ reference  |
|--|----------------|
| Changeover mounting kit (50 pcs/package) | <b>ARG86.3</b> |

Ordering and delivery

When ordering, please give name and type reference of sensor and or changeover mounting set.  
The sensor is supplied without the changeover mounting set.

Functions

The sensors acquires the air or medium temperature by means of its NTC resistor. The resistance value changes according to the ambient temperature. It is available for further handling by a suitable controller



## Mechanical design

The sensors consists of a two-wire cable with NTC sensing element and electrical connectors. The changeover mounting set, which is available as an accessory item, is used for fitting the sensor to a pipe (dia.12...16 mm).

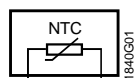
## Fitting notes

The sensors should be fitted where it can best acquire the temperature to be measured. When fitting to a pipe, the pipe must not be lagged where the sensor is located.

## Technical data

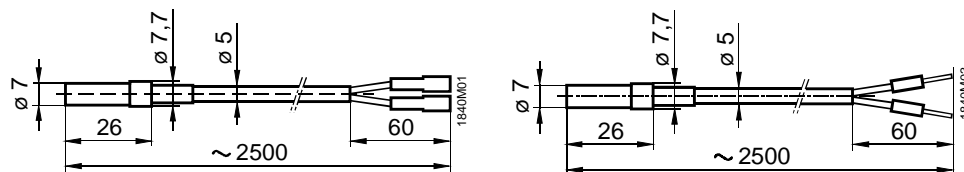
|                                |                                |
|--------------------------------|--------------------------------|
| Operating range                | 0...40 °C                      |
| Sensing element                | NTC resistor, 3 kΩ at 25 °C    |
| Measuring tolerance            | ±0.3 K at 25 °C                |
| Type of measurement and output | passive                        |
| Insulation class               | II as per EN 60 730            |
| Length of measuring lead       | approx. 2.5 m                  |
| Type of cable                  | H03VV-F2 2 x 0.75 black        |
| Electrical connectors          |                                |
| QAH11                          | plug connectors 2.8 x 0.8 mm   |
| QAH11.1                        | crimp sleeve cable termination |
| Weight                         | 0.07 kg                        |

## Integral diagram

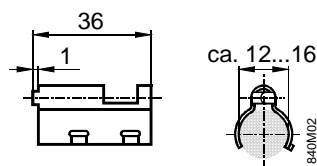


## Dimensions

### QAH11, QAH11.1



### ARG86.3



Dimensions in mm