



## MTE Mini-thermostat

### Features

- Little space needed thanks to its small compact construction
- High switching capacity
- Extremely adaptable to the surrounding conditions
- Protection class IP 66

### Description

This Mini-thermostat is used to detect external ambient temperatures heating systems as well as for the control of internal temperatures inside protective transmitter boxes or control and switchgear cabinets. In addition, it can be used for the control (signalling) of too low or too high a temperature or as an alarm contact.

### Structure

A temperature sensor is encapsulated in an explosion-proof metal tube. The standard version features an external M20 thread. You can choose either a version with a cast rubber cord or one that is directly mounted to an Ex terminal box. A special version is also available with a flange fixing.

### Explosion protection

#### Ex protection type

EEx d IIC T6 resp. T5  
EEx de IIC T6 resp. T5

#### Certification

PTB 03 ATEX 1026

#### Ambient temperature

-20 °C up to +40 °C

### Technical data

#### Version with external thread or flange mounting

#### Protection class

IP 66/EN 60529

#### Supply cable

H05VV-F 3G 0.75  
(AD 7.2 ± 0.8 mm)  
standard length 1 m

#### Enclosure material

nickel plated brass

#### Max. temperature at the connection

+70 °C

#### Electrical data

#### Switching capacity

AC 230 V/6 A

#### Switch contacts

1 normally closed contact as standard version  
(opens as the temperature rises)  
alternative configurations on request

#### Version with junction box

#### Supply cable cross section

2.5 mm<sup>2</sup>

#### Material

junction box of polyester, black, glass-fibre reinforced

#### Protection class

IP 65/EN 60529

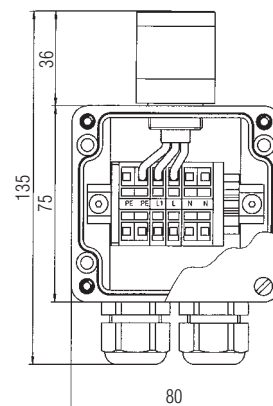
#### Electrical data

#### Temperature switch tolerances

14 °C ± 5 K  
4 °C ± 3 K  
25 °C ± 3.5 K  
15 °C ± 3.5 K

### Dimensions

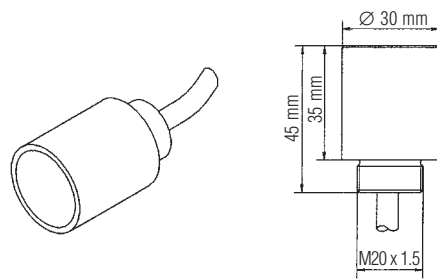
2 x cable entries M20 x 1.5  
cable diameter D = 6 - 12 mm



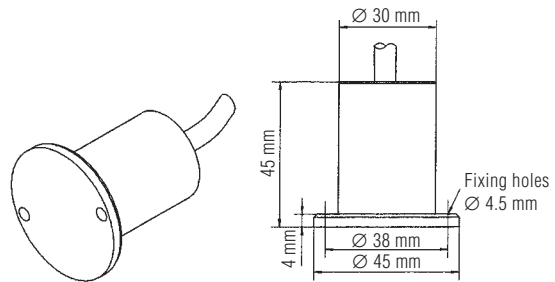


**Dimensions**

with external thread



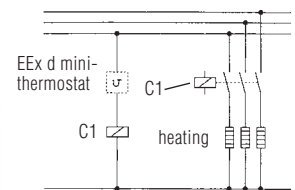
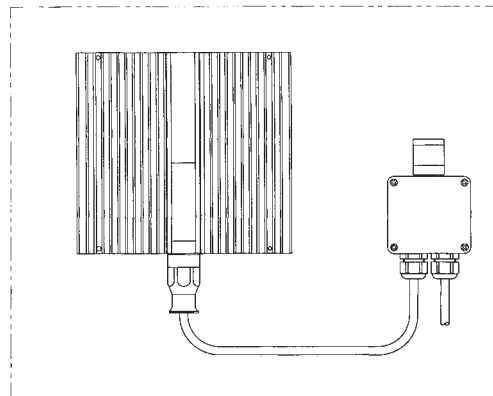
flange mounted



**Typical application**

Temperature sensor for Ex heating system  
in a control panel/enclosure

Frost control in an Ex area



**Selection chart**

Version	Switch-off temperature	Switch-on temperature	Code no.
with external thread M20	14 °C	4 °C	<b>25</b>
	25 °C	15 °C	<b>26</b>
with EEx e terminal box	14 °C	4 °C	<b>27</b>
	25 °C	15 °C	<b>28</b>
with flange mounting (special version)	14 °C	4 °C	<b>13</b>
	25 °C	15 °C	<b>14</b>

➔ **Complete order no.**

**07-6111-94**

Please enter code number.