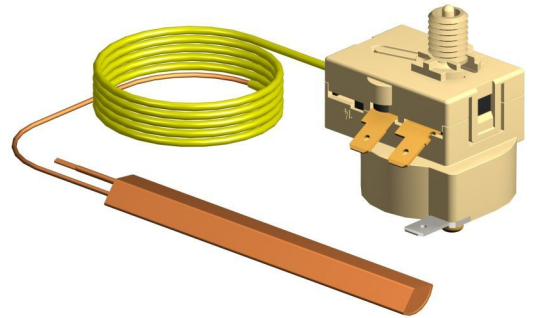


## Single-pole



### Application

- Heater
- Storage heater
- High pressure cleaner
- Laboratory appliances

### Features

Electro-mechanical thermal cut-out (TB), safety thermal cut-out (STB) and safety temperature limiter (STW) with capillary sensor approved to EN 60730-1/2-9

- If cut-out temperature is exceeded, circuit switches to OFF. Thermal cut-out stays in this position and can be manually resetted after sensing element has cooled. Limiter closes contact automatic after sensing element has cooled.
- S-Type: Fail safe design - expansion liquid loss results in opening of contact
- Single-pole micro switch with on/off switch
- Optional: Gold plated contacts to switch low voltages / currents
- Operation type 2.B (S-Type: 2.B.K) (EN 60730)
- RoHS-conform.

### Technical data

#### Switching system:

|                                   |  |
|-----------------------------------|--|
| Endurance class                   |  |
| Manual reset                      | 300 operations                           |
| Automatic reset                   | 10.000 operations                        |
| Nominal voltage                   | 250 V AC                                 |
| Nominal current                   | 16 (2,5) A                               |
| Protection against electric shock | for incorporation in class I equipment I |
| Protection standard of housing    | IP00 (EN 60 529)                         |
| Overvoltage category              | II                                       |

#### Range of application:

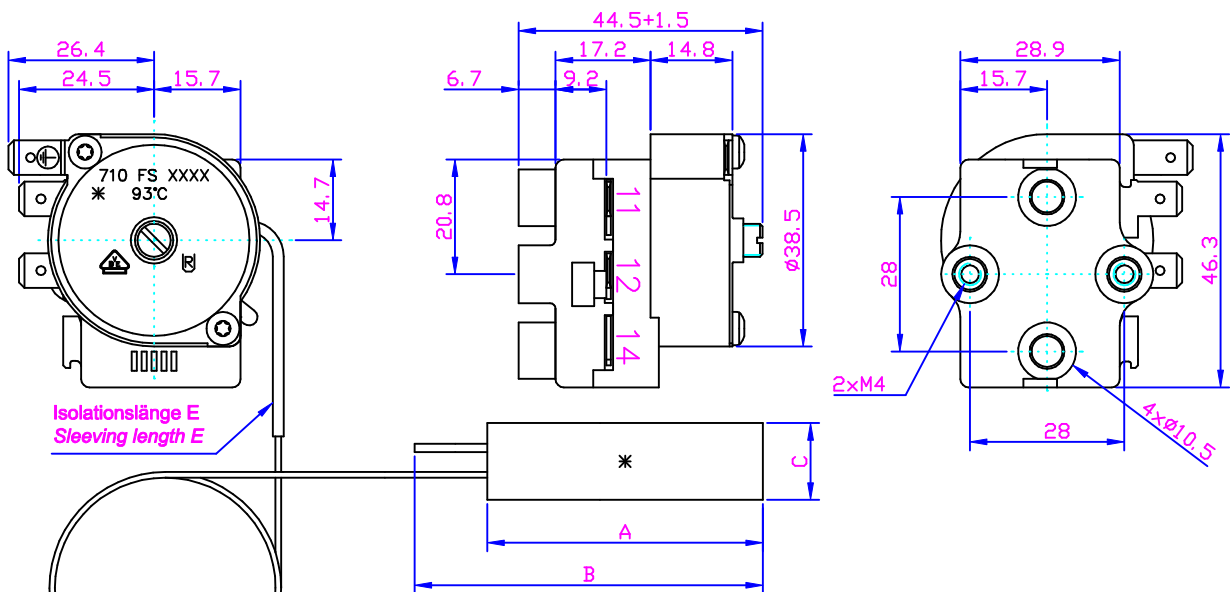
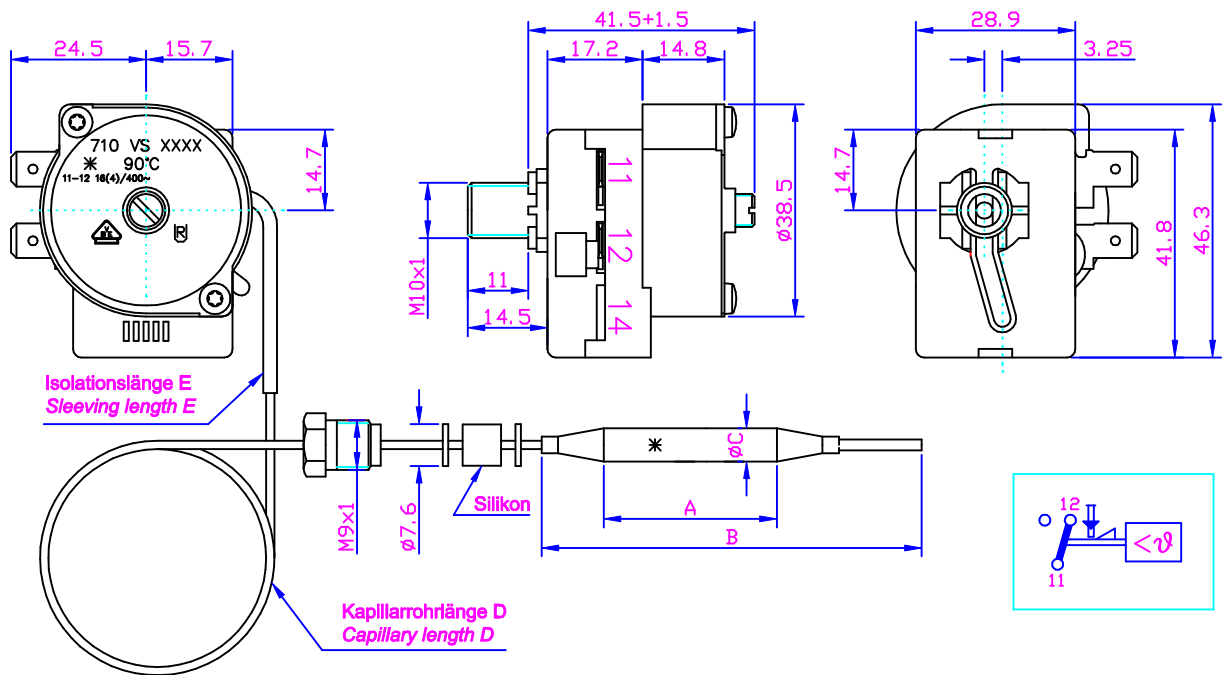
|                                       |                  |
|---------------------------------------|------------------|
| Cut-out temperature                   | 0 ... 320°C      |
| Ambiant temperature at switching head | max. 85 °C (T85) |
| Storage and transport temperature     | -25...+60 °C     |

#### Design:

|                                 |   |
|---------------------------------|---|
| Capillary und sensing element   | copper / stainless steel  |
| Capillary length                | Up to 3000 mm   |
| Phial forms                     |   |
| • round, diameter               | 3, 4, 5, 6, 6.5, 7, 8, 9.5, 10, 11, 12 mm                         |
| • bulb, diameter                | 10, 15, 20, 23.5 mm   |
| • half-, third-, quarter circle |   |
| Diaphragm                       | stainless steel   |
| Mounting                        | 2 x M4 or Central mounting M10                                    |
| Connection terminals            | Tab terminal A6.3x0.8 according to DIN46244, Straight or 30° bent |
| Earthing terminals              | Tab terminal A6.3x0.8 according to DIN 46244                      |

# Temperaturbegrenzer Typ 710

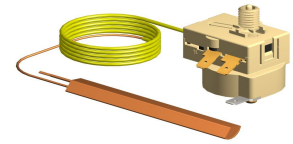
## Thermal cut - out type 710



\* Ausschalttemperatur, Kapillarrohrlänge, Isolationslänge sowie Fühlerformen können nach Kundenwunsch in Grenzen verändert werden.

\* Cut-out temperature, capillary length, sleeving length and phial forms are adjustable within certain limits to customers specific requirements.

# INQUIRY



## Thermal cut-out / limiter thermostat Type 710

Name: \_\_\_\_\_ Tel.: \_\_\_\_\_  
Company: \_\_\_\_\_ Telefax: \_\_\_\_\_  
Address: \_\_\_\_\_ Date: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Please make us an offer free of charge for a thermostat with the following characteristics:

**Type:**  Limiter thermostat (TW)  
 Safety limiter thermostat (STW)  
 Thermal cut-out (TB)  
 Safety thermal cut-out (STB)

**Temperature range:** \_\_\_\_\_ °C

**Max. temperatures:** phial: \_\_\_\_\_ °C

**Contact material:**  silver  silver, gold plated

**Terminal position:**  straight  bent 30°

**Earthing terminal:**  yes  no

**Phial material:**  copper  stainless steel

**Phial type:**  round  bulb  quarter circle  third circle  half circle  
Ø C: \_\_\_\_\_ mm

**Phial length B:** \_\_\_\_\_ mm **Capillary length E:** \_\_\_\_\_ mm

**Insulation length D:** \_\_\_\_\_ mm

**Accessories:**  hex nut SW14  safety cap

**Required quantity:** \_\_\_\_\_ parts per  week  month  year

**Application:** \_\_\_\_\_

**Other informations:** \_\_\_\_\_

AF710-el-209