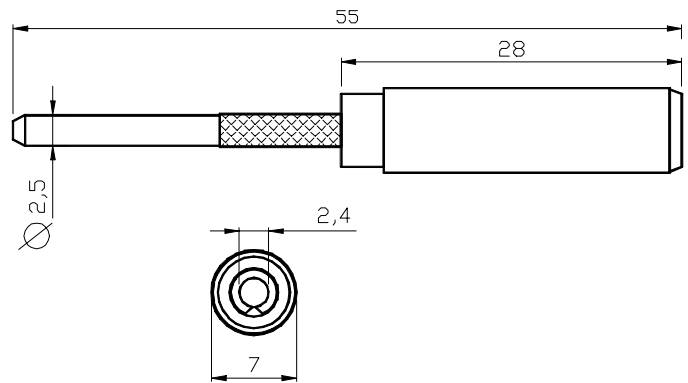


Series BTS & Series BTC

Thermostat & Thermal Cut-Out for usage in sheathed heating elements.



Description:

Type BTS:

Thermostat with plastic housing for installation in 8.5mm sheathed heating elements. Bimetal snap-action element opens contacts (NC type) when temperature rises to a preset value and closes contacts automatically used for temperature control.

Type BTC (with voltage-maintained self-holding):

Voltage-maintained self-holding thermal cut-out in plastic housing for installation in 8.5mm sheathed heating elements. Bimetal snap-action element opens contacts (NC type) when temperature rises to a preset value. The built-in heating element holds contacts open, until the power source will be disconnected. After disconnecting, the protector resets automatically, when cooled down to a safe operating temperature.

CAUTION: In order to avoid a hazard due to inadvertent resetting of the BTC thermal cut-out, the appliance must not be supplied through an external switching device, such as a clock timer, or connected to a circuit that is regularly switched on and off by the utility. (According to EN 60335-1)

For both types the switching temperature is factory preset and cannot be adjusted subsequently.

Application:

Usage in a sheathed heating element for temperature limiter, temperature control or overheat protection. Custom-made design for use in 8.5mm heating tubes. Push-on termination on a special mounting stud positioned in the heating element that conducts heat into the thermostat / thermal cut-out.

Specifications:

Contact ratings: BTS: 250VAC, 10A res. \geq 30.000 cycles
 BTC: 400VAC, 12A res. \geq 1.000 cycles

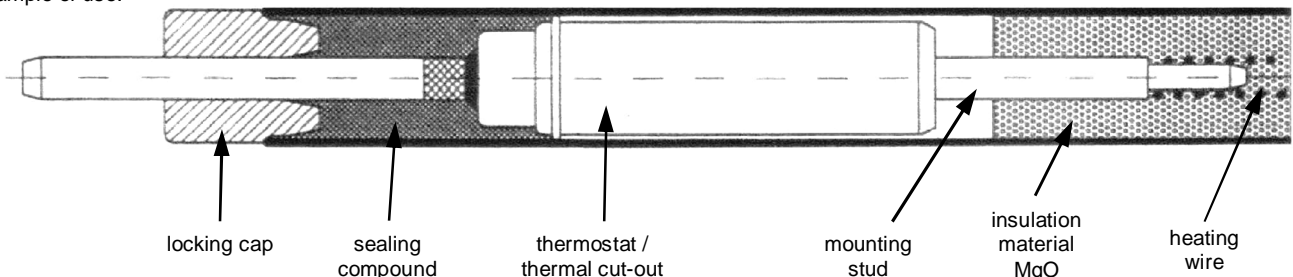
Temperatures

Switching temperature: +60 . . . +130°C
 Standard tolerances: \pm 10K other values on request
 Max. ambient temperature: 180°C

Certifications:

SEMKO (EN 60730), for usage in sheathed heating elements.

Example of use:



Technical specifications as stated in our data sheets are based on the results of tests carried out in the facilities of Temtech or the respective manufacturer applying standard test methods and equipment. Results obtained with different test procedures and equipments may vary. The proper adjustment of the thermostats and any other component purchased from Temtech and proof of suitability for the intended application is in the buyer's own responsibility. Temtech makes no warranty as to mismatches of any kind. As we continuously improve our products we reserve the right to change specifications without prior notice.