

## Safety-limit thermostat 130/120/110/100/95°C; 1,7m

For panel mounting, Cut-out temperature adjustable



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### Application

For heat generators with temperatures up to 130 °C

### Features

Electro-mechanical, adjustable manual reset safety thermal cut-out (STB), approved to DIN 3440, EN60730-1/-2-9 and directive 97/23/EG to supervise heat generators.

- Fail safe design. Should expansion liquid loss occur, contact 11 –12 will open
- The operation temperature is irreversibly adjustable from a higher to a lower value
- Exceeding the cut-out temperature, the circuit switches to OFF or changeover and stays at this position
- Manual reset is enabled after a temperature drop of approx. 20 K on the sensing element
- S.P.S.T. (ON/OFF) and S.P.D.T. (changeover) micro switch
- Time factor of the sensing element complying with DIN 3440 and EN 60 730-2-9
- Type 2 BDEFHKL (EN 60 730-1 /-2-9)
- Environmental condition for pollution: normal

### Order No.

005-1101 (only thermostat)  
005-1101C (including Hex nut and Cap nut, see overleaf )

### Technical data

The following indication are valid for the standard type 56.10525.560. Due to the function, other types show different data.

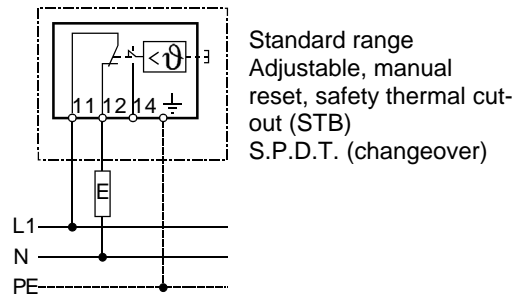
Switching system	Switching capacity acc. to EN 60 730-1 /-2-9	
	• Nominal voltage range	AC 40...250 V
	• Nominal current range I (I <sub>M</sub> )	0.5...10(6) A
	Service life at nominal load	min. 15'000 operations
	Protection class	I according to EN 60 730-1
	Protection class of housing	IP00 according to EN 60 529
Application range	Cut-out temperature $\vartheta_{off}$ (range)	130/120/110/100/95 °C
	Ambient temperature at switching head	max. 125 °C (T125)
	Sensing element temperature	max. 160°C
	Storage and transportation temperature	-30...+80 °C
	Minimal capillary bending radius	R <sub>min</sub> = 5 mm
	Correction factor	c = 0,38 [K/K] referred to ambient temp.
Calibration	Calibration tolerance	(0-9) K
	Calibrated for ambient temperature at switching head and capillary	35 ±2 °C (Tu33 according to DIN 3440)
	Time factor in water / in Oil	< 45 s / < 60 s
Execution	Switch system support	Ceramic
	Capillary tube	Copper
	Sensing element	Copper
	Diaphragm	Stainless steel
	Capillary tube length L	1760mm
	Electrical connection	Faston A6.3-0.8-Br acc. DIN 46 244
	Earth terminal connection	Faston A6.3-0.8-Br acc. DIN 46 244
	Weight	89 gr.

## Mounting indications

The required pocket material depends on the installation (medium, tank material etc.) and **must be specified by the user**

To comply with the time factor requirements according to DIN 3440, pockets must conform to drawing H 1 7111 3459 (see also data sheet "Pockets 1130")

## Wiring diagram



## Accessories

Hex nut M10



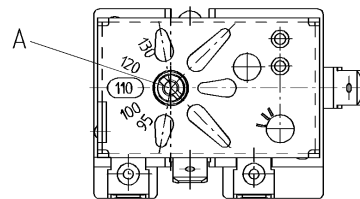
Cap nut M10



Order No.: 005-1012

Order No.: 005-1016

## Temperature values



## Dimensions

