

Safety-limit thermostat 130/120/110/100/95°C; 3,1m

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.

005-1102 (only thermostat)
005-1102C (including Hex nut and Cap nut, see overleaf)

Technical data

The following indication are valid for the standard type 56.10529.550. Due to the function, other types show different data.

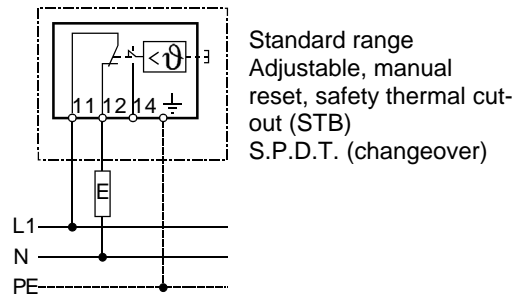
Switching system	Switching capacity acc. to EN 60 730-1 /-2-9	
	• Nominal voltage range	AC 40...250 V
	• Nominal current range I (I _M)	0.5...10(6) A
	Service life at nominal load	min. 15'000 operations
	Protection class	I according to EN 60 730-1
	Protection class of housing	IP00 according to EN 60 529
Application range	Cut-out temperature ϑ_{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 _{min} = 5 mm
	Correction factor	c = 0,52 [K/K] referred to ambient temp.
Calibration	Calibration tolerance	(0-9) K
	Calibrated for ambient temperature at switching head and capillary	33 ±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	3180mm
	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	100 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



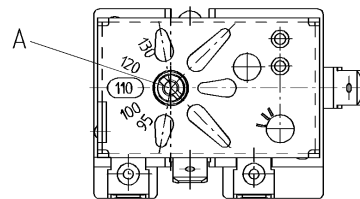
Cap nut M10



Order No.: 005-1012

Order No.: 005-1016

Temperature values



Dimensions

