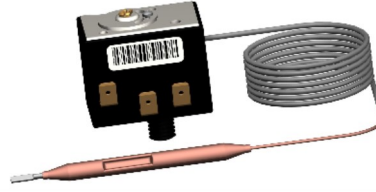


STB 89.00



Application

For heat generators with temperatures up to 350°C.

Features

Electro-mechanical safety thermal cut - out (STB) with capillary sensor approved according to DIN EN 14597 and EN60730 - 1/2 - 9

- If cut - out temperature is exceeded, circuit switches to OFF or changeover and stays in this position
- Fail safe design: Expansion liquid loss results in opening of contact C-1
- Manual reset after sensing element has cooled by at least 10K
- Single - pole micro switch on/off or change—over switch
- Time factor of sensing element better than DIN EN 14597
- Temperature compensated switching head
- Operation type 2B.F.H.K.L.P (EN60730)
- RoHS - conform

Technical data - switching system

Endurance class	1000 operations	
Nominal voltage / current	C-1	C-2
250 V AC	16 (3,5) A	4 (0,6) A
Protection against electric shock	for incorporation in class I equipment I	
Protection standard of housing	IP 00 (EN 60 529)	

Technical data - Range of application

Overvoltage category	II
Cut - out temperature	
- fixed adjustment	60°C - 130°C
- adjustment	120°C - 95°C
Max. sensing element temp.	T _{off} + 25K
Ambient temperature at switching head	max. 85°C (T85)
Storage and transport temperature	- 25°C - +60°C
Calibration for ambient temperature at switching head and capillary tube	50°C (Tu50 according to DIN EN 14597)
Calibration tolerance	- 4K

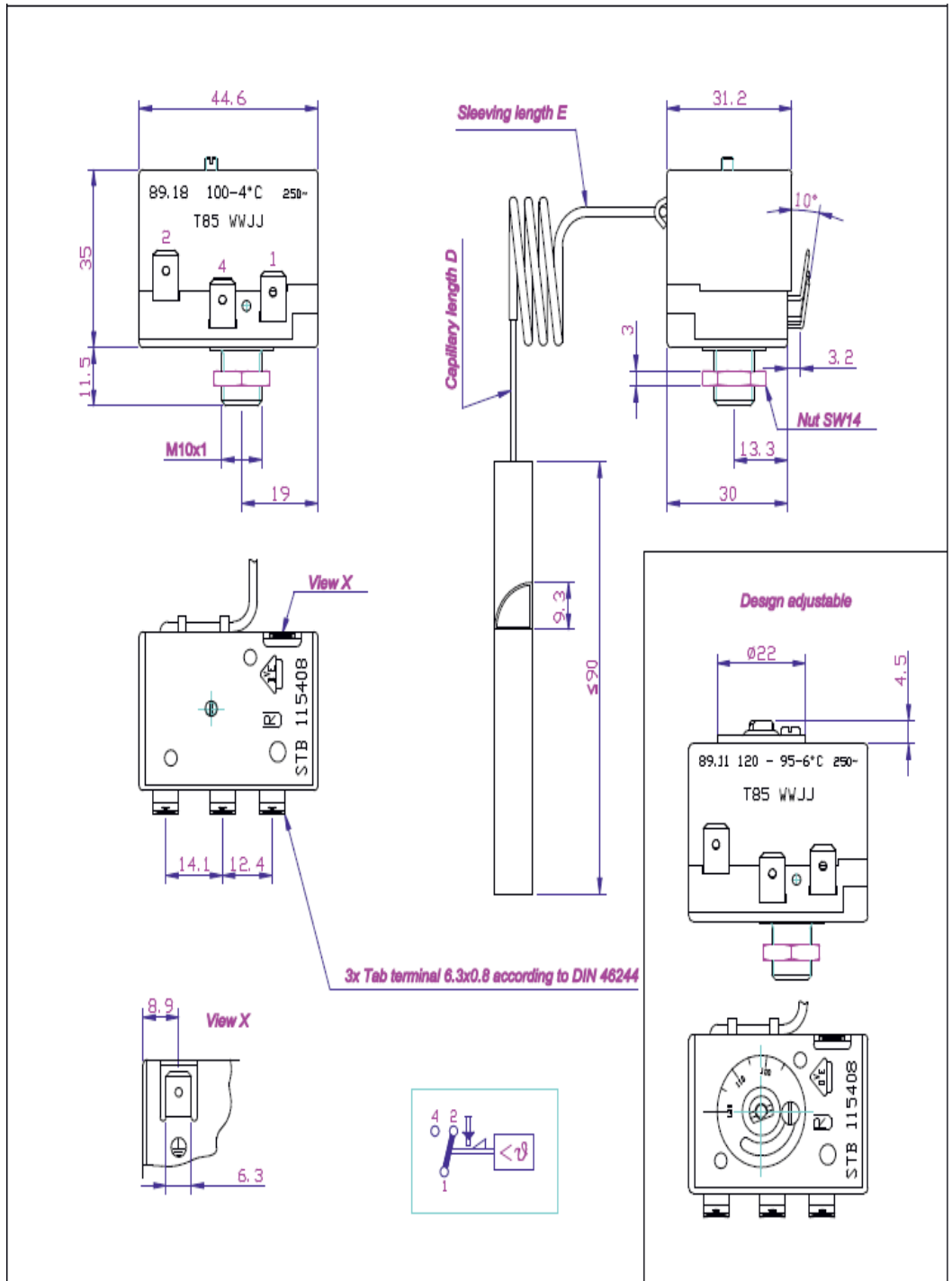
Technical data - calibration

Drift	2K
Time factor in water / in oil	< 45 s / 60 s
Capillary and sensing element	copper / stainless steel
Capillary length	500 - 3500 mm

Technical data - design

Phial forms	
- round, diameter	3, 4, 5, 6, 6.5, 7, 8, 9.5, 10, 11, 12 mm
- half-, third-, quarter circle	
Diaphragm	stainless steel
Connection and earthing terminals	Tab terminal A6.3 x 0.8 according to DIN 46244, bent of atraight terminals

Dimensional drawing



type	Cut-out temperature	Design	
89.10	130° C ... 100° C	adjustable	* Cut-out temperature, capillary length, sleeving length and phial forms are adjustable to customers specific requirements.
89.11	120° C ... 95° C		
89.xx	60° C - 130° C*	fixed adjustment	

Your distributor