Safety thermal breaker

STB 89.00

An electromechanical safety thermal breaker (STB) with a capillary sensor, compliant with DIN EN 14597 and EN 60730-1/2-9.

Application

The safety thermal breaker is used for temperature monitoring. When the temperature exceeds a preset safe level, the STB trips to cut off the electrical power supply. The STB is used in heat generating units with a maximum temperature of 350°C.

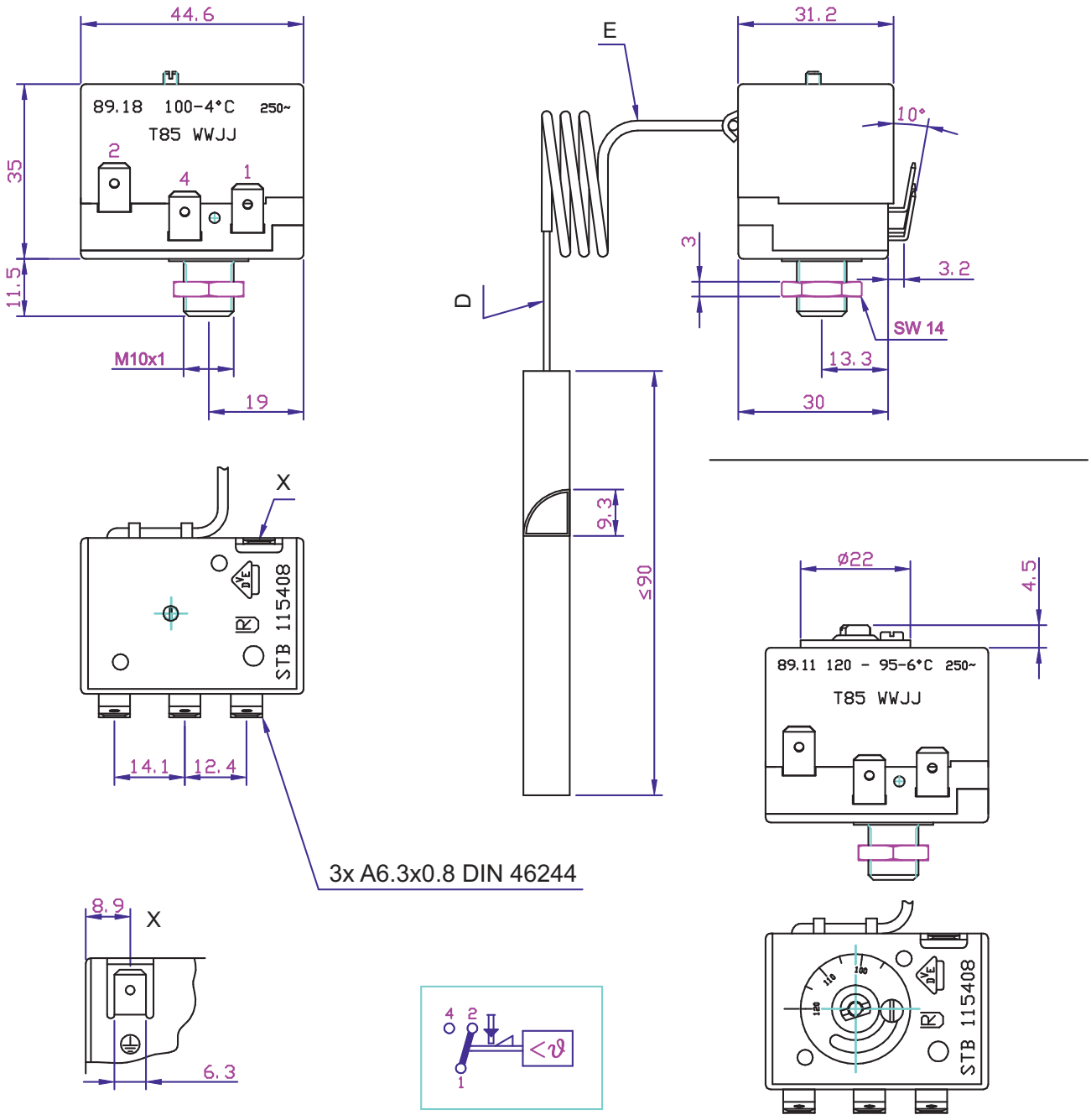
Product features

- Single-pole on/off or changeover microswitch
- Fail-safe design; an expansion fluid loss triggers contact C-1 to break
- Manually reset when the sensor element cools down by 10 K or more
- Sensor element time factor exceeds DIN EN 14597
- Temperature-compensated switching head
- Operation type: 2.BHKLP (EN 60730)
- RoHS compliant
- DIN CERTCO registration number: TR1107
- Customisable on special request

Specifications

Model		**STB 89.00**	
Endurance class		1000 operations	
Rated current/voltage at 250 V AC		C-1 16 (3,5) A	C-2 4 (0,6) A
Electric shock protection		For integration in Class I equipment	
Ingress protection rating		IP00 (EN 60529)	
Overvoltage category		II	
Trip temperature	Fixed	60°C - 350°C*	
	Adjustable	110°C - 85°C*	
Max. sensor temperature		T_{off} + 25K	
Switching head ambient temperature		Max. 85°C	
Storage and transport temperature		-25°C + 60°C	
Capillary tube/sensor material		Copper / stainless steel	
Capillary tube length		500 - 3500 mm	
Connection and earth terminals		Tab A6, 3x0.8 (DIN 46244)	

*On customer's request, consult the manufacturer.



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