

## 2-POLE TEMPERATURE LIMITER, PROTECTIVE GUARD



These devices automatically switch off the current in the controlled circuit as the pre-set temperature limit is reached, thus preventing overheating. Once the deflection of the temperature regulation was repaired, in voltage-free state, the limiter / protective guard can be re-started manually.

Working temperature range: 0 - 355 °C

Areas of application:

- water heaters, hot water storage tanks

Trouble-free operation is conditioned by proper heat transfer between the protective limiter's sensor and the controlled medium.

In case of capillary-damage or liquid-leakage, the device will cut the circuit one last time as positive safety-feature.

### TECHNICAL DATA

Lifetime:	1000 switching cycles	Electrical connections:	Blades, A 6,3x0,8
Switching power:	20(4)A-4(1)A/250 V~; 16(4)A-4(1)A/400 V ~	Sensor:	Tubular type: Cu: Ø5; Ø6; Ø6,5; Ø8 INOX: Ø3; Ø4; Ø6
Leakage current resistance:	≥ 175	Working range:	0-150 °C / 50-355 °C
Way of operation	2 AG /2AGM	Capillary tube:	Ø 1,4 (Cu) / Ø 1 (INOX)
Max. temp. for the main unit:	85 °C / 150 °C	Capillary tube length:	250 – 2400
Protection class:	Class I. / IP 00	Max. sensor temperature:	Upper switching value +15%
Work environment:	Normál	Surface protection:	Galvanized
Heat and fire resistance:	D		

### TYPE-EXAMPLES

Type Code	Type mark	Switch-off temp. °C	Sensor ØDxL1/mm;/ Material	Capillary tube ØdxL2 /mm/	Protection tube L3 ± 20 /mm/	Wiring diagram M / A	Special accessory
5286-0-103-1	TC-1SB20PM	110 <sup>0</sup> -10	6 x 103 Cu	1,4 x 250	210	M	FL
5286-0-103-5	TC-1SB20PM	110 <sup>0</sup> -10	6 x 103 Cu	1,4 x 250	210	M	-
5286-0-104-1	TC-1SB20PM	100 <sup>0</sup> -10	6 x 103 Cu	1,4 x 550	480	M	-
5286-0-108-1	TC-1SB21PM	242 <sup>0</sup> -12	3 x 214 INOX	1 x 420	40	M	-