

3-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:

- heat-storing stoves
 - saunas
 - large hot water storage tanks
- Trouble-free operation is conditioned by proper heat transfer between the protective limiter's sensor and the controlled medium.

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; 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 mm
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 ØDx L1/mm;/ Material	Capillary tube Ødx L2 /mm/	Protection tube L3 ± 20 /mm/	Wiring diagram M / A
5278-0-100-1	TC-1B31KM	315 ± 6	4 x 168 INOX	1 x 420	40	M
5278-0-102-1	TC-1B31KM	220 ± 6	4 x 168 INOX	1 x 420	40	M
5278-0-103-1	TC-1B31KM	250 ± 6	6 x 95 INOX	1 x 920	40	M
5278-0-103-2	TC-1B31KM	240 ± 6	6 x 95 INOX	1 x 920	40	M
5278-0-117-6	TC-1B30KM	135 0 -10	6 x 117 Cu	1,4 x 920	320	M