

# 3-POLE TEMPERATURE CONTROLLER



These devices automatically switch off the current in the controlled circuit as the pre-set temperature is reached, and switch on again as the temperature falls below the set threshold value. The temperature of the controlled medium is thus maintained within a narrow zone.

Working temperature range: 0-400 °C

Areas of application:

- heat storing stoves, large cooking devices
- washing machines
- hot water storage tanks, saunas
- modular gas-powered heaters

Suitable for controlling three different temperatures! Trouble-free operation is conditioned by proper heat transfer between the controller's sensor and the controlled medium.

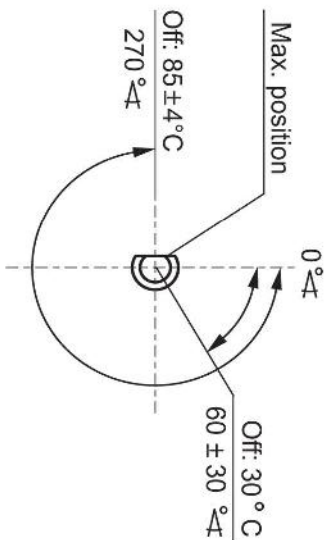
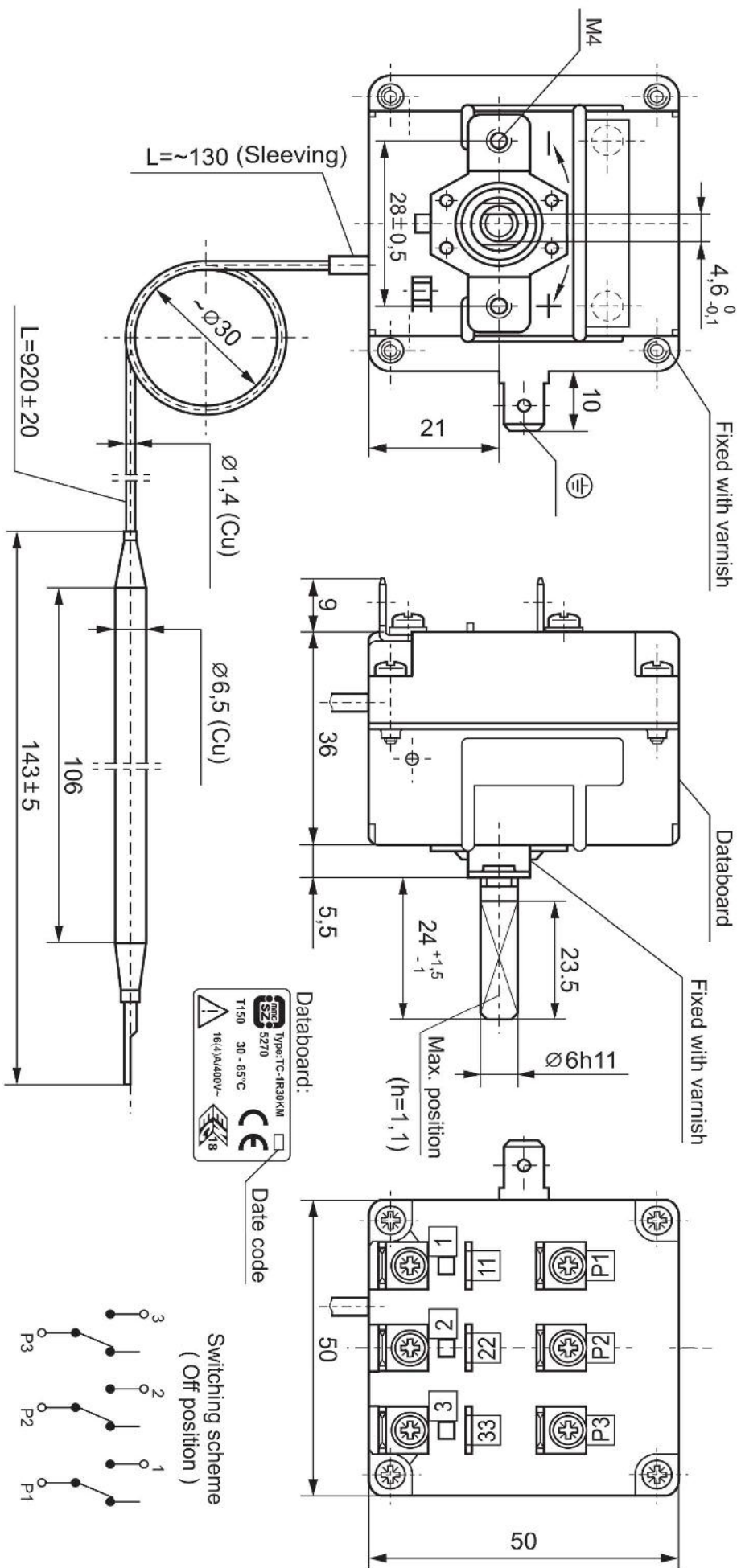
## TECHNICAL DATA

Lifetime:	50.000 switching cycles
Switching power:	20(4)A-4(1)A/250 V~; 16(4)A-4(1)A/400 V~;
Way of operation:	2 C
Max. temp. for the main unit:	85 °C / 150 °C
Protection class:	Class I. / IP 00
Operation environment:	Normal
Heat and fire resistance:	D
Leakage current resistance:	≥ 175

Working range:	0-150 °C / 50-400 °C
Sensor:	Tubular type: Cu: Ø5; Ø6; Ø6,5; Ø8 INOX: Ø3; Ø4; Ø6
Capillary tube:	Ø 1,4 (Cu) / Ø 1 (INOX)
Capillary tube length:	250-2000
Max. sensor temperature:	Upper switching value +15%
Surface protection:	Blue-passivated zinc coating
Length of the shaft:	16-50
Electrical connections:	Blades, A 6,3x0,8

## TYPE Examples of existing models

Type Code	Type mark	Switch-off temp. °C	ΔT	Sensor ØD x L1/mm/ Material	Capillary tube Ød x L2 /mm/	Protection tube L3 ± 20 /mm/	Length of the shaft Lt /mm/	Wiring diagram M / A
5270-0-101-1	TC-1R31KM	50 - 280 ± 6	10 ± 4	4 x 168 INOX	1 x 420	20	25	M
5270-0-101-4	TC-1R31KM	50 - 300 ± 6	10 ± 4	4 x 168 INOX	1 x 1500	20	25	M
5270-0-101-9	TC-1R31KM	50 - 280 ± 6	10 ± 4	4 x 168 INOX	1 x 920	20	25	M
5270-0-104-4	TC-1R31KM	50 - 190 ± 6	10 ± 4	6 x 95 INOX	1 x 600	20	25	M
5270-0-104-8	TC-1R31KM	50 - 190 ± 6	10 ± 4	6 x 95 INOX	1 x 920	20	25	M
5270-0-105-0	TC-1R31KM	50 - 220 ± 6	10 ± 4	6 x 95 INOX	1 x 920	20	22,5	M
5270-0-113-4	TC-1R30KM	50 - 110 ± 4	4 ± 2	6 x 165 INOX	1v x 920	730	25	M
5270-0-114-2	TC-1R30KMS	P1-1 20 - 80 ± 3 P2-2 25 - 85 ± 3 P3-3 30 - 90 ± 3	4 ± 2	8 x 88 Cu	1,4 x 920	120	24	M
5270-0-118-4	TC-1R31KM	50 - 230 ± 6	12 ± 4	3 x 281 INOX	1 x 920	40	24,5	M
5270-0-131-1	TC-1R31KM	50 - 300 ± 6	10 ± 4	4 x 168 INOX	1 x 920	810	25	M



Betű	Módosítás	Vj.	Kelt	Mód.	Eil.	Kelt	Aláírás	Megnevezés:	Típus:
								Thermostat ~3 pole~	TC-1-R-30-K-M
								Rajzolta	Rajzsám:
								Ellenőrizte	5270
								Jóváhagyta	Alszám:
									0