

TK-AA-02

**Hermetic Low Height
High Precision and
Reliability Thermostat**

Operating Temperature Range (-30°C to +180°C)

Contact Type: Normally Closed; Normally Open

BASIC TECHNICAL DATA FOR TK-AA-02

Parameter	Value
Nominal voltage, VAC, not more	250
Nominal current, A, at 250VAC, not more	3
Nominal current, A, at 250VAC, not more	1
Switching cycles, at 250VAC and 3A, not less than	10 000
Switching cycles, at 250VAC and 1A, not less than	100 000
Response temperature range, °C	-30 up to 180
Response temperature tolerance, %, but not less than °C	±3, ±5
Reset temperature, lower than response temperature on, °C, not less than	10
Contact resistance, Ω not more	0.05
Electric strength of insulation, V, not less than	1200
Insulation resistance, MΩ, not less than	50
Hermetic seal	1x10 ⁻⁵ Atm cc/sec
Heating speed, K/min	min-0.1; max-1.0

Table 1.3 (CONTACT TYPE)

CODE	CONTACT TYPE
1	Normally closed (NC)
2	Normally open (NO)
3	Normally closed (NC), Nominal current ≤50mA
4	Normally open (NO), Nominal current ≤50mA

PART ORDERING SYSTEM

TK-AA-02	TX	MGX	X	X±X*	X±X*
1	2	3	4	5	6
1	Thermostat model				
2	Terminals version (select from Table 1.1)				
3	Mounting version (select from Table 1.2)				
4	Contact type (select from Table 1.3)				
5	Operating temperature value in °C and tolerance in ± %*				
6	Reset temperature value in °C and tolerance in ± %*				

Example: TK-AA-02-T01-MG00-1-15±2%-8±3%

*Tolerance in % or °C, whichever numerical value is bigger.

Table 1.1 (TERMINALS)

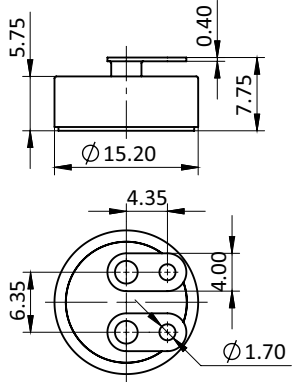
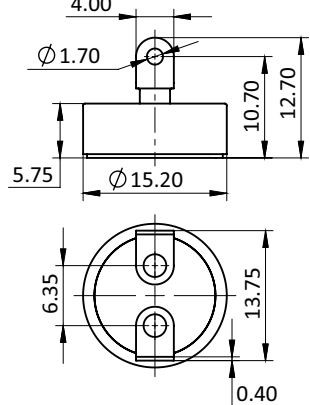
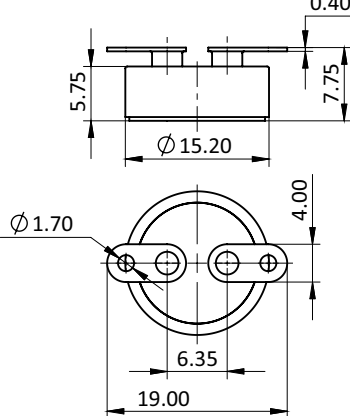
T 01		T 02	
T 03			

Table 1.2 (MOUNTING)

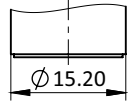
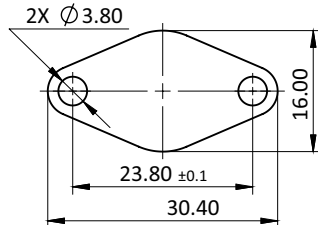
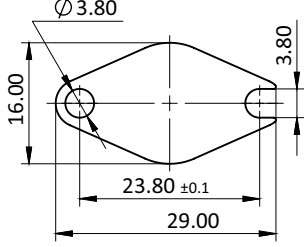
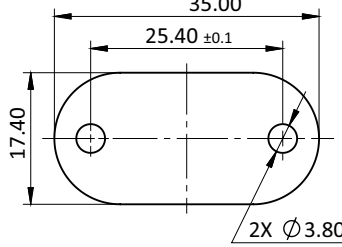
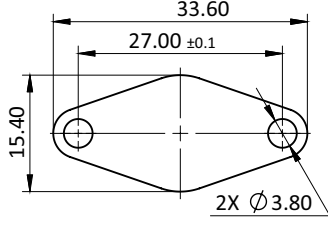
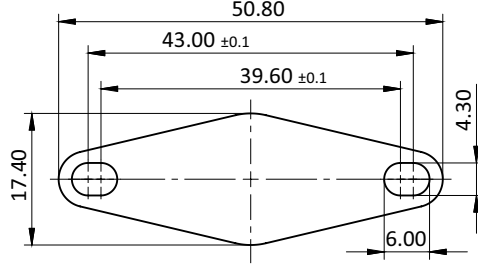
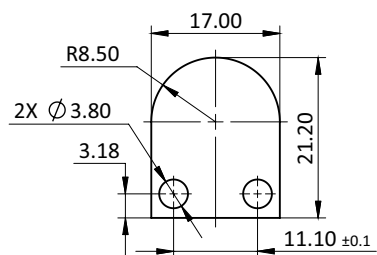
MG 00 NO MOUNT		MG 01 TOP MOUNT	
MG 02 TOP MOUNT		MG 03 TOP MOUNT	
MG 04 TOP MOUNT		MG 05 TOP MOUNT	

Table 1.2 (MOUNTING)

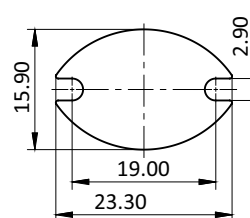
MG 06

TOP MOUNT

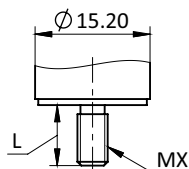


MG 07

TOP MOUNT

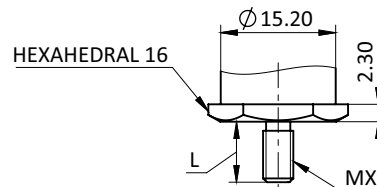


MG 08



Screw parameters (MX, L) to be specified on the order form

MG 09



Screw parameters (MX, L) to be specified on the order form

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