



TK-AA-01

Hermetic High Precision and Reliability Thermostat

Operating Temperature Range (-30°C to +260°C)

Contact Type: Normally Closed; Normally Open

BASIC TECHNICAL DATA FOR TK-AA-01

Parameter	Value	
Nominal voltage, VAC, not more	250	
Nominal current, A, at 250VAC, not more	5	
Nominal current, A, at 250VAC, not more	2	
Switching cycles, at 250VAC and 5A, not less than	10 000	
Switching cycles, at 250VAC and 2A, not less than	100 000	
Response temperature range, °C	-30 up to 180	181 up to 260
Response temperature tolerance, %, but not less than °C	±3, ±5	±6
Reset temperature, lower than response temperature on, °C, not less than	10	40
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-01	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-01-T01-MG00-1-15±2%-8±3%

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

Table 1.1 (TERMINALS)

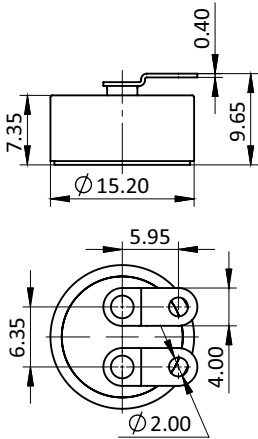
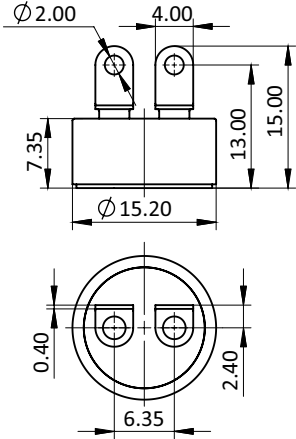
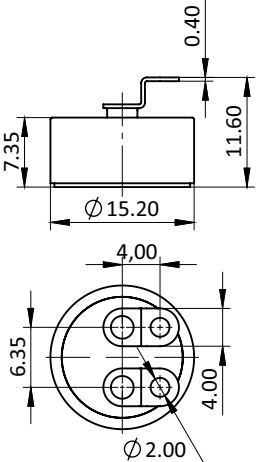
T 01 	T 02 
T 03 	

Table 1.2 (MOUNTING)

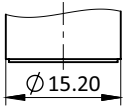
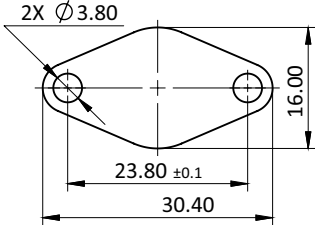
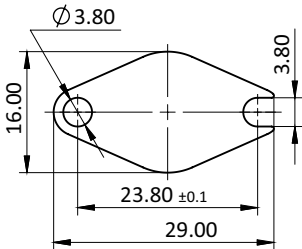
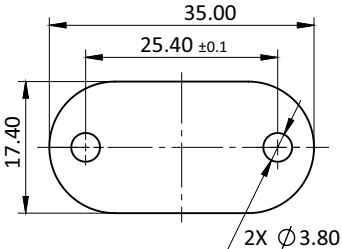
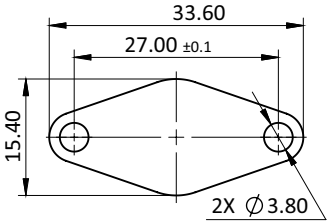
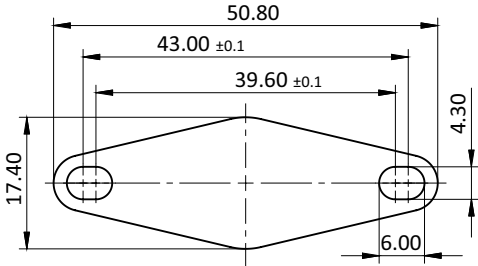
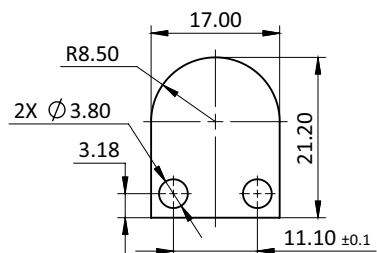
MG 00 NO MOUNT 	MG 01 TOP OR BOTTOM MOUNT 
MG 02 TOP OR BOTTOM MOUNT 	MG 03 TOP OR BOTTOM MOUNT 
MG 04 TOP OR BOTTOM MOUNT 	MG 05 TOP OR BOTTOM MOUNT 

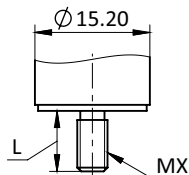
Table 1.2 (MOUNTING)

MG 06

TOP OR BOTTOM
MOUNT



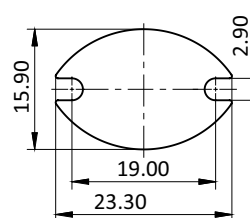
MG 08



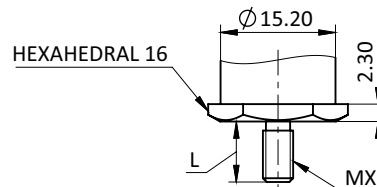
Screw parameters (MX, L) to be specified
on the order form

MG 07

TOP OR BOTTOM
MOUNT



MG 09



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

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