

M2HA (available up to 380°C)

High temperature bimetal type thermostat

Temperature fixed type.
Specify within the following temperature setting range.



1. Mechanical Structure:

56(L) x 17(W) x 9(T) mm, 200mm lead wire

2. Tolerance of the setting temperature:

±15K for setting temperature up to 380°C.
Setting temperature 400°C (+0/-30K) is available.

3. Ratings of Voltage & Current:

Voltage(AC/DC)	Operating ampere
AC125V/DC12V	1mA to 50mA
AC250V/DC24V	

4. Miscellaneous

In order to ensure safe operation, be sure to observe the following points.

1. Use a power supply voltage and current within the specified range.
2. Do not use the M2HA in location subject to flammable gases or objects. (IP40)
3. Do not use the M2HA in locations subject to explosive or combustible dust, combustible gas, flammable vapors, salt water spray and water drops.(IP40)
4. Do not drop or disassemble the M2HA, otherwise the thermostat will not be capable of it's performance.
5. Use the specified mounting bracket if mounting is necessary.

Characteristics

(1) Ambient temperature range	-30°C to 430°C
(2) Operating temperature	Setting temperature (200 to 380°C) ±15°C Differential: 25 ± 7K (°C)
(3) Contact	1b (contact type X only)
(4) Contact Resistance	Less than 100mΩ (3.5mV/100mA method)
(5) Insulation Resistance	Greater than 100 MΩ between lead and case at DC500V
(6) Insulation Voltage	AC2000V for 2 seconds between leads and case AC500V for 1 min. between Contacts with 10mA leakage current
(7) Life	1 million mechanical operations, more than 10.000 electrical operations at the rated load satisfying with 3. and 4. above
(8) Heat & cold resistance	Ambient temperature -30 ± 3°C for 168 hours Ambient temperature being a setting temperature plus 50°C for 168 hours. Both satisfy above characteristics (2) at the setting temperature.
(9) Resistance for moisture	Ambient temperature 40 ± 3°C, RH90-98% for 168 hours Satisfy above characteristics (5) to be measured within 5 minutes. (without drip of water)
(10) Vibration Tolerance	Selected from JIS·C·0911-1984 Constant vibration; 50Hz fixed/0.2 mm fixed (1G) Sweep vibration; 10~55Hz/0.35 mm fixed (0.1~2.2G) Withstands 1 hour each in directions X, Y and Z.
(11) Impact resistance	Prohibit a dropping or a physical impact to the thermostat due to the ceramic case.

Changes and errors excepted

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