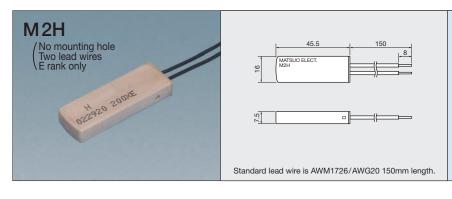
■ TPS for mid temperature [110°~200°C]



Features:

- 1.) Long life.
- 2.) Thin version with 150mm lead wire.
- 3.) Controls from 110 to 200°C
- 4.) Dust proof: IP40

Ratings and Characteristics:

Table of contact capacity by voltage for M2H

Operating voltage		Temperature Setting	Differential rank	Contact capacity
AC250V	DC24V	110°C ~ 200°C	E	0.5A ~ 2A
AC125V	DC12V	110°C ~ 200°C	E	0.5A ~ 3A

Table of contact capacity by voltage of M2HK

Operating voltage	Temperature Setting	Differential rank	Contact capacity
AC125V/AC250V DC12V/DC24V	110°C ~ 200°C	E	1mA ~ 50mA

NOTE: The contact capacity of TPS for mid temperature will change depending on the voltage used/preset temperature/DIFF. ranking.

Maximum operating voltage : Refer to the table above.

Temperature setting range : 110°C~200°C

Temperature setting tolerance : $\pm 7^{\circ}$ C (110°C~150°C), $\pm 10^{\circ}$ C (151°C~200°C)

Differential : rank E ······15±5 (10~20)°C

Contact configuration : 1b(X)

Operating temperature range : -30°C ~ setting temperature +40°C (no icing, no condensing)

Protection rating : IP40

Insulation resistance $: 100M\Omega$ or more

Contact resistance : $70m\Omega$ or less (including lead wire resistance)

Withstanding voltage : AC2000V for 2 sec.(600V for 1 minute between contacts)

Vibration resistance : Selected from JIS·C·0911-1984

Constant vibration; 50Hz fixed/0.2mm fixed (1G) Sweep vibration; $10\sim55Hz/0.35mm$ fixed (0.1~2.2G) Withstands 2 hour each in directions X, Y and Z.

Impact resistance : No damage when dropped three times from the height of 40cm onto a concrete floor (about 70G).

No damage for double sealed model when dropped three times from the height of 1m onto a concrete floor. Withstands substantial impact after being put in a package or mounted in equipment.

Life : 10 million mechanical operations, 100,000 electrical operations at rated load.

 $\textbf{Handling precautions} \quad \text{: The thermostat with stands vibration and impact applied along Y and Z axis, but does not tolerate impact from X direction.}$

(see the illustration below.) It is recommended that the thermostats be installed to minimize stresses applied along the X axis.

Double sealed: TPS for mid temperature cannot have double sealing

construction structure because of the heat resistivity issue of the material.

