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Electromechanical pressure type thermostats for household appliances

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In the event of any doubts arising as to the contents,
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Electromechanical pressure type thermostats for household appliances

1. Scope This Japanese Industrial Standard specifies electromechanical pressure type thermostats with capillary tube with a rated voltage not exceeding 250 V, rated current not exceeding 20 A, and a rated frequency of 50 Hz or 60 Hz, to be incorporated in appliances, used for temperature control of such freezing and air-conditioning appliances as electric refrigerators, electric freezers and room air conditioners (hereafter referred to as “thermostats”).

Remarks : The following standards are cited in this Standard:

- JIS B 0123 *Designation of screw threads*
- JIS B 7413 *Etched-stem mercury-in-glass thermometers (partial immersion type)*
- JIS B 7502 *Micrometer callipers*
- JIS B 7507 *Vernier, dial and digital callipers*
- JIS B 7516 *Metal rules*
- JIS C 0041 *Basic environmental testing procedures
Part 2 : Tests Test Ea and guidance: Shock*
- JIS C 0911 *Vibration testing procedure for electric machines and equipment*
- JIS C 1302 *Insulation resistance testers*
- JIS C 1602 *Thermocouples*
- JIS C 3306 *Polyvinyl chloride insulated flexible cords*
- JIS C 3307 *600 V Polyvinyl chloride insulated wires*
- JIS C 3316 *Polyvinyl chloride insulated wires for electrical apparatus*
- JIS H 3300 *Copper and copper alloy seamless pipes and tubes*
- JIS K 1560 *1,1,1,2-Tetrafluoroethane (HFC-134a)*
- JIS Z 8703 *Standard atmospheric conditions for testing*
- JIS Z 8704 *Temperature measurement – Electrical methods*
- IEC 335-1 *Safety of household and similar electrical appliances
Part 1:General requirements*

2. Definitions For the purpose of this Standard the following significant definitions apply:

- (1) **electromechanical pressure type thermostat with capillary tube** A switch which has such function that the contacts automatically perform make or break operation by snap-action mechanism by detecting variation of gas or liquid pressure when the temperature of the sensing element reaches a preset temperature, and which consists of a body, temperature sensing element and capillary tube.