The KSD301-M Thermostat is a type of waterproof thermostat that is more waterproof than other products in the KSD301 series. The protection class of the main body is up to IP57. It has a moisture-proof sealed design for use in appliances that use liquids.

**Technical Parameters:**

- Rated Current: 10A (Resistive)
- Insulation resistance in water: 100MΩ
  With a DC500V megger in water, the tested value is over 100MΩ
- Class of temperature characteristics: Auto-reset, normal close, normal open
- Switch Structure: SPST
- Max OT: 145°C
- Tmax: 185°C
- Safety Certificate

<table>
<thead>
<tr>
<th>Max OT</th>
<th>Life Cycles</th>
<th>250V 10A</th>
<th>125V 16A</th>
</tr>
</thead>
<tbody>
<tr>
<td>105°C</td>
<td>100,000</td>
<td>UL: E137238, sec. 2</td>
<td>UL: E137238, sec. 2</td>
</tr>
<tr>
<td>145°C</td>
<td>10,000</td>
<td>CQC: 12002080177</td>
<td>TUV: R50254301</td>
</tr>
</tbody>
</table>

**Dimensions:**
KSD301-M
WATERTIGHT/WATERPROOF THERMOSTAT

Code System:

KSD301 - X / X X X - M

Blank: Temperature differential of 17°C (OFF higher than ON)
X*: Temperature differential of <17°C (OFF higher than ON)
S*: Temperature differential of >17°C (OFF higher than ON)
K*: Stands for the type which ON temp is higher than OFF temp

Code for shape: Letter and number
Current Rating: in Number
Code for Temperature Requirement in number: 1/10 of nominal operating temp

Directions for use and Installation:

- Method of earth: By means of the metal cup of thermostat connected in the earthing metal part.
- When the thermostat is used to sense the temperature of solid items, its cover should be clung to the heating part of such items. Meanwhile, heat-conducting silicon grease, or other heat media of similar nature, should be applied to the cover’s surface.
- If the thermostat is used to sense the temperature of liquids or steam, it is strongly recommended to adopt a version with stainless-steeled cup.
- The top of the cup must not be pressed to sink, so as to avoid adverse effect on the thermostat’s temperature sensitivity or its other functions.
- No excessive force shall be applied to working parts to prevent them from defects such as cracking base, distorter terminal wire and lead coming off.