Compact, low-profile type with a height of 0.35mm

Typical Specifications

<table>
<thead>
<tr>
<th>Items</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating (max.)</td>
<td>50mA 12V DC</td>
</tr>
<tr>
<td>Rating (min.)</td>
<td>10μA 1V DC</td>
</tr>
<tr>
<td>Initial contact resistance</td>
<td>1.00mΩ max.</td>
</tr>
<tr>
<td>Travel (mm)</td>
<td>0.15</td>
</tr>
</tbody>
</table>

Product Line

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Operating force</th>
<th>Operating direction</th>
<th>Operating life (5mA 5V DC)</th>
<th>Minimum order unit (pcs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKRWAEE030</td>
<td>1.57N</td>
<td>Top push</td>
<td>500,000 cycles</td>
<td>Japan 10,000, Export 10,000</td>
</tr>
<tr>
<td>SKRWAD030</td>
<td>2.35N</td>
<td>Top push</td>
<td>50,000 cycles</td>
<td>Export 10,000</td>
</tr>
</tbody>
</table>

Packing Specifications

Taping

<table>
<thead>
<tr>
<th>Number of packages (pcs.)</th>
<th>Tape width (mm)</th>
<th>Export package measurements (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 reel</td>
<td>100,000</td>
<td>100,000</td>
</tr>
<tr>
<td>1 case / Japan</td>
<td>12</td>
<td>395×395×205</td>
</tr>
<tr>
<td>1 case / Export packing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>Style</th>
<th>PC board land dimensions (Viewed from switch mounting face)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Unit: mm</td>
</tr>
</tbody>
</table>

Dimensions Unit:mm

Circuit Diagram

Refer to P.235 for soldering conditions.
## TACT Switch™

### List of Varieties

<table>
<thead>
<tr>
<th>Type</th>
<th>Sharp Feeling Type</th>
<th>Surface Mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series</td>
<td>SKSH</td>
<td>SKRW</td>
</tr>
<tr>
<td></td>
<td>SKRM</td>
<td>SKRB</td>
</tr>
<tr>
<td></td>
<td>SKRR</td>
<td>SKQG</td>
</tr>
<tr>
<td></td>
<td>SKTC</td>
<td></td>
</tr>
</tbody>
</table>

#### Features
- Low-profile
- Low-profile and long life
- Low-profile
- Double action
- Water-proof
- Dustproof
- IP standard
- Operating direction: Top push, Side push
- Dimensions (mm): W, D, H
- Operation force coverage: 1N max., 1N to 2N, 2N to 3N, 3N to 4N, 4N to 5N
- Travel (mm): 0.15, 0.15/0.2, 0.25
- Ground terminal
- Operating temperature range: −30°C to +85°C, −40°C to +85°C, −40°C to +90°C, −30°C to +85°C
- Automotive use
- Life Cycle
- Bacterial antistatic: 50mA 12V DC
- Antistatic: 10μA 1V DC
- Insulation resistance: 100MΩ min., 100V DC 1min.
- Voltage proof: 100V AC 1min., 250V AC 1min., 100V AC 1min.
- Durability: Vibration, lifetime
- Environmental antistatic: −40°C 96h, 90°C 96h
- Dry heat: 60°C 90%RH 96h

### Notes
1. The automotive operating temperature range to be individually discussed upon request.
2. ● Indicates applicability to all products in the series.
TACT Switch™ / Soldering Conditions

- **Condition for Reflow**
  Available for Surface Mount Type.
  Temperature profile

  ![Temperature profile graph]

  **Notes:**
  1. Please confirm the specifications of our product for the detailed condition.
  2. Soldering conditions differ depending on reflow soldering machines.
     Prior verification of soldering condition is highly recommended.

- **Conditions for Auto-dip**
  Available for Snap-in Type and Radial Type.

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flux built-up</td>
<td>Mounting surface should not be exposed to flux</td>
</tr>
<tr>
<td>Preheating temperature</td>
<td>Ambient temperature of the soldered surface of PC board, 10°C max.</td>
</tr>
<tr>
<td>Preheating time</td>
<td>60s max.</td>
</tr>
<tr>
<td>Soldering temperature</td>
<td>260°C max.</td>
</tr>
<tr>
<td>Duration of immersion</td>
<td>5s max.</td>
</tr>
<tr>
<td>Number of soldering</td>
<td>2times max.</td>
</tr>
</tbody>
</table>

  **SKHH Series**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flux built-up</td>
<td>Mounting surface should not be exposed to flux</td>
</tr>
<tr>
<td>Preheating temperature</td>
<td>Ambient temperature of the soldered surface of PC board, 10°C max.</td>
</tr>
<tr>
<td>Preheating time</td>
<td>60s max.</td>
</tr>
<tr>
<td>Soldering temperature</td>
<td>260°C max.</td>
</tr>
<tr>
<td>Duration of immersion</td>
<td>5s max.</td>
</tr>
<tr>
<td>Number of soldering</td>
<td>2times max.</td>
</tr>
</tbody>
</table>

  **SKHL Top Push Type, SKQJ Series**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flux built-up</td>
<td>Mounting surface should not be exposed to flux</td>
</tr>
<tr>
<td>Preheating temperature</td>
<td>Ambient temperature of the soldered surface of PC board, 10°C max.</td>
</tr>
<tr>
<td>Preheating time</td>
<td>45s max.</td>
</tr>
<tr>
<td>Soldering temperature</td>
<td>255°C max.</td>
</tr>
<tr>
<td>Duration of immersion</td>
<td>5s max.</td>
</tr>
<tr>
<td>Number of soldering</td>
<td>2times max.</td>
</tr>
</tbody>
</table>

  **Manual Soldering**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soldering temperature</td>
<td>350°C max.</td>
</tr>
<tr>
<td>Duration of soldering</td>
<td>3s max.</td>
</tr>
<tr>
<td>Capacity of soldering iron</td>
<td>60W max.</td>
</tr>
</tbody>
</table>

  **SKHH, SKHW Series**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soldering temperature</td>
<td>360°C max.</td>
</tr>
<tr>
<td>Duration of soldering</td>
<td>3s max.</td>
</tr>
<tr>
<td>Capacity of soldering iron</td>
<td>60W max.</td>
</tr>
</tbody>
</table>

  **SKTD, SKTG, SKQJ, SKSN Series**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soldering temperature</td>
<td>350°C max.</td>
</tr>
<tr>
<td>Duration of soldering</td>
<td>3s max.</td>
</tr>
<tr>
<td>Capacity of soldering iron</td>
<td>20W max.</td>
</tr>
</tbody>
</table>

  **Notes:**
  1. Prevent flux penetration from the top side of the TACT Switch™.
  2. Switch terminals and a PC board should not be coated with flux prior to soldering.
  3. The second soldering should be done after the switch is stable with normal temperature.
  4. Use the flux with a specific gravity of min. 0.81.
     (EC-195S-8 by TAMURA CORPORATION, or equivalents.)