MODEL: SLW-121586-5A-D | DESCRIPTION: SLIDE SWITCH

FEATURES
• through hole
• raised slide actuator

SPECIFICATIONS

<table>
<thead>
<tr>
<th>parameter</th>
<th>conditions/description</th>
<th>min</th>
<th>typ</th>
<th>max</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>rated voltage</td>
<td></td>
<td>50</td>
<td>Vdc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>rated current</td>
<td></td>
<td>500</td>
<td>mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>withstanding voltage</td>
<td>for 1 minute</td>
<td>500</td>
<td>Vac</td>
<td></td>
<td></td>
</tr>
<tr>
<td>contact resistance</td>
<td>measured at 1 kHz at 100 mA or less</td>
<td>100</td>
<td>mΩ</td>
<td></td>
<td></td>
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<tr>
<td>insulation resistance</td>
<td>at 100 Vdc for 1 minute</td>
<td>100</td>
<td>MΩ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>operating force</td>
<td></td>
<td>100</td>
<td>gf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>actuator travel</td>
<td></td>
<td>3</td>
<td>3.2</td>
<td>3.4</td>
<td>mm</td>
</tr>
<tr>
<td>operating temperature</td>
<td></td>
<td>-20</td>
<td>70</td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>storage temperature</td>
<td></td>
<td>-40</td>
<td></td>
<td>90</td>
<td>°C</td>
</tr>
<tr>
<td>life</td>
<td>at uniform rate of 15~18 cycles per minute, no load</td>
<td>10,000</td>
<td></td>
<td></td>
<td>cycles</td>
</tr>
<tr>
<td>vibration</td>
<td>10<del>55</del>10 Hz, 1.5 mm amplitude, 2 hours on each XYZ</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>flammability rating</td>
<td>see material table</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>RoHS</td>
<td>yes</td>
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</table>

SOLDERABILITY

<table>
<thead>
<tr>
<th>parameter</th>
<th>conditions/description</th>
<th>min</th>
<th>typ</th>
<th>max</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>hand soldering</td>
<td>for 3±0.5 seconds</td>
<td>340</td>
<td>350</td>
<td>360</td>
<td>°C</td>
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<tr>
<td>wave soldering</td>
<td>for 3±0.5 seconds</td>
<td>255</td>
<td>260</td>
<td>265</td>
<td>°C</td>
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</tbody>
</table>
**MECHANICAL DRAWING**

units: mm
tolerance: ±0.2 mm
unless otherwise specified
PCB thickness: 1.6 mm

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>PLATING/COLOR</th>
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<tbody>
<tr>
<td>knob</td>
<td>PA66</td>
<td>orange</td>
</tr>
<tr>
<td>frame</td>
<td>steel strip</td>
<td>nickel</td>
</tr>
<tr>
<td>case</td>
<td>phenolic resin</td>
<td>natural</td>
</tr>
<tr>
<td>terminal</td>
<td>brass strip</td>
<td>silver</td>
</tr>
<tr>
<td>contact</td>
<td>brass strip</td>
<td>silver</td>
</tr>
<tr>
<td>spring</td>
<td>steel wire</td>
<td>natural</td>
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</tbody>
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**SCHÉMATIQUE**

SPDT (NON-SHORTING)

**Recommended PCB Layout**

Top View
## REVISION HISTORY

<table>
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<th>rev.</th>
<th>description</th>
<th>date</th>
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<tr>
<td>1.0</td>
<td>initial release</td>
<td>07/07/2023</td>
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The revision history provided is for informational purposes only and is believed to be accurate.