SDS Series
Side Actuated Detect Switches

Features/Benefits
• Low profile package sits just 2mm off PCB
• 2mm overtravel ideal for detector applications
• Low actuation force (75 grams max.)
• Pick & place compatible, available in tape & reel packaging
• RoHS compliant and compatible

Typical Applications
• Medical devices
• Consumer electronics
• PCB lock cam detect
• IoT devices
• ATCA and MicroTCA

Specifications
CONTACT RATING: 100 mA @ 12 VDC.
MECHANICAL & ELECTRICAL LIFE: 50,000 cycles.
CONTACT RESISTANCE: 100 m Ω max. initial.
INSULATION RESISTANCE: 10 M Ω min. @ 100 VDC.
OPERATING TEMPERATURE: –40ºC to +85ºC.
SOLDERABILITY: IR compatible, no wash. 260ºC max.
PACKAGING: Bulk or tape & reel (3000 per reel).

Materials
BASE: Glass filled LCP (UL 94V-0).
ACTUATOR: Glass Filled LCP (UL94V-0).
COVER: Nickel silver w/silver plate.
MOVABLE CONTACT: Phosphor bronze, see table for plating.
TERMINALS: Phosphor bronze, see table for plating.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

How to Order
Complete part numbers for SDS Series Switches are shown below.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>HOUSING COLOR</th>
<th>PACKAGING</th>
<th>SCHEMATIC</th>
<th>Contact Plating</th>
<th>Terminal Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS001</td>
<td>Black</td>
<td>Bulk</td>
<td></td>
<td>Silver Plate</td>
<td>Silver</td>
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<tr>
<td>SDS001R</td>
<td>Black</td>
<td>Tape &amp; Reel</td>
<td>N.O. 2</td>
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<td>SDS002</td>
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<td>White</td>
<td>Tape &amp; Reel</td>
<td>N.O. 2</td>
<td>Gold Clad</td>
<td>Gold Flash</td>
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<tr>
<td>SDS004R</td>
<td>Black</td>
<td>Tape &amp; Reel</td>
<td>N.O. 2</td>
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<td>Bulk</td>
<td>N.C.</td>
<td>Gold Flash</td>
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<td>White</td>
<td>Tape &amp; Reel</td>
<td>N.C.</td>
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</tbody>
</table>

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com
TAPE & REEL PACKAGING NOTES:

a. PACKAGE QUANTITY: 3,000 PCS/REEL.
b. SPECIFICATION OF TAPING PACKAGE: THE REEL CARRIER TAPE WILL HAVE A LEAD OF 33 EMPTY COMPONENT POCKETS AND AN END OF 14 EMPTY COMPONENT POCKETS ON EVERY REEL. ALL EMPTY COMPONENT POCKETS WILL BE SEALED WITH COVER TAPE.
c. AFTER THE LEAD, NO REEL CARRIER TAPE SHALL HAVE TWO CONSECUTIVE EMPTY COMPONENT POCKETS.

Dimensions are shown: mm
Specifications and dimensions subject to change