**Features**
- Short travel
- Good tactile feedback
- Self cleaning
- 3 actuation forces
- RoHS

**Typical Applications**
- Aircraft
- Instrument
- Panels
- Radio equipment

**Specification**
ED: Disc element
EDM: Disc element and double dome
FUNCTION: Momentary action
CONTACT TYPE: Normally open - SPST
TERMINALS: Through hole PCB terminations or Tabs
OPERATING LIFE: 1,000,000

**Packaging**
Trays 50 pieces.

**Mechanical**

<table>
<thead>
<tr>
<th>Type</th>
<th>Operating force (Newtons)</th>
<th>Tactile Feeling (Δ%)</th>
<th>Return Force N</th>
<th>Travel (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSAC LFS</td>
<td>2.4 (240) ± 25%</td>
<td>≥ 30%</td>
<td>≥ 0.4 N</td>
<td>0.3mm ± 0.15</td>
</tr>
<tr>
<td>EDSSE LFS</td>
<td>2.4 (240) ± 25%</td>
<td>≥ 30%</td>
<td>≥ 0.4 N</td>
<td>0.3mm ± 0.15</td>
</tr>
<tr>
<td>EDM450SAC LFS</td>
<td>4.5 (450) ± 25%</td>
<td>≥ 25%</td>
<td>≥ 1.0 N</td>
<td>0.5mm ± 0.25</td>
</tr>
<tr>
<td>EDM650SSC LFS</td>
<td>6.5 (650) ± 25%</td>
<td>≥ 25%</td>
<td>≥ 1.6 N</td>
<td>0.6mm ± 0.25</td>
</tr>
</tbody>
</table>

SIMULTANEITY: ≤ 0.05 mm

**How To Order**
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

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**ED & EDM Domes**

**Electrical**

- **Silver**
  - MAXIMUM POWER: 1.0 VA
  - MAXIMUM VOLTAGE: 100 VDC
  - MINIMUM VOLTAGE: 20m VDC
  - MIN/MAX CURRENT: 1.0 mA - 100 mA
  - DIELECTRIC STRENGTH: ≥ 250 Vrms
  - CONTACT RESISTANCE: ≤ 100 mΩ
  - INSULATION RESISTANCE: Initial measurement: ≥ 1 GΩ
  - After damp heat: ≥ 10 MΩ
  - BOUNCE TIME: ≤ 3 ms

- **Gold**
  - MAXIMUM POWER: 0.2 VA
  - MAXIMUM VOLTAGE: 100 VDC
  - MINIMUM VOLTAGE: 20m VDC
  - MIN/MAX CURRENT: 50µA - 50 mA
  - DIELECTRIC STRENGTH: ≥ 250 Vrms
  - CONTACT RESISTANCE: ≤ 100 mΩ
  - INSULATION RESISTANCE: Initial measurement: ≥ 1 GΩ
  - After damp heat: ≥ 10 MΩ
  - BOUNCE TIME: ≤ 3 ms

**Environmental**

- **Silver**
  - OPERATING TEMPERATURE: -25°C to 70°C

- **Gold**
  - OPERATING TEMPERATURE: -55°C to 85°C

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**Contact Material**
S Silver
G Gold

**Terminals**
AC with pc pins*
SC with tabs **

**Disc**
1 Sealed, IP 67

**Operation Force**
450 4.5 N (450 grams)
650 6.5 N (650 grams)

**Relative Positions**
ED & EDM Domes

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**Note**
* AC terminals only available with LFT
** SC terminals only available with LFS or LFG

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Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com
Switch Action Principal

The disc contact is essentially made of two separate conductive dome diaphragms separated by an insulated material.

The upper diaphragm is shaped so that under pressure it collapses suddenly and establishes contact with the lower diaphragm.