Snap Action, Subminiature

Features
- Actuator: Hinge Roller Lever

Specifications
Current Rating: 10A 125VAC
Contact Resistance: 30 Milliohms (max.) initial
Insulation Resistance: 100 Megohms at 500VDC
Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
Temperature Rating: −13° to +185°F (−25° to +85°C)
Electrical Life: 50,000 cycles min.
Mechanical Life: 1,000,000 cycles min.
Terminal Type: Solder Terminals

Snap Action, Subminiature

Features
- Actuator: Hinge Lever

Specifications
Current Rating: 10A 125VAC
Contact Resistance: 30 Milliohms (max.) initial
Insulation Resistance: 100 Megohms at 500VDC
Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
Temperature Rating: −13° to +185°F (−25° to +85°C)
Electrical Life: 50,000 cycles min.
Mechanical Life: 1,000,000 cycles min.
Terminal Type: Solder Terminals
Snap Action, Subminiature

**Features**
- Actuator: Pin Plunger

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-418</td>
<td>SPDT</td>
<td>0.024&quot;</td>
<td>0.016&quot;</td>
<td>150g</td>
<td>0.005&quot;</td>
<td>S47</td>
</tr>
</tbody>
</table>

**Specifications**
- Current Rating: 10.1A 125/250VAC, 0.4A 125VDC, 0.2A 250VDC
- Contact Resistance: 30 Milliohms (max.) initial
- Insulation Resistance: 100 Megohms at 500VDC
- Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
- Temperature Rating: −13°F to +185°F
- Electrical Life: 50,000 cycles min. (under rated load)
- Mechanical Life: 10,000,000 cycles min.
- Terminal Type: Solder Terminals

Snap Action, General Purpose

**Features**
- Actuator: Panel Mount Plunger

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-456</td>
<td>SPDT</td>
<td>0.05&quot;</td>
<td>0.22&quot;</td>
<td>625g</td>
<td>0.01&quot;</td>
<td>S39</td>
</tr>
</tbody>
</table>

**Specifications**
- Current Rating: 20A 125/250/480VAC, 10A 125VAC "L" (Tungsten)
- Contact Resistance: 15 Milliohms (max.) initial
- Insulation Resistance: 100 Megohms (min.) at 500VDC
- Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
- Temperature Rating: −13°F to +176°F
- Electrical Life: 500,000 cycles min. (under rated load)
- Mechanical Life: 1,000,000 cycles min.
- Terminal Type: Screw Terminals
Snap Action, General Purpose

Features
- Actuator: Long Hinge Lever

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Dia. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-451</td>
<td>SPDT</td>
<td>0.63&quot;</td>
<td>0.16&quot;</td>
<td>70g</td>
<td>0.09&quot;</td>
<td>S40</td>
</tr>
</tbody>
</table>

Specifications
- Current Rating: 20A 125/250/480VAC, 10A 125VAC “L” (Tungsten)
- 0.5A 125VDC, 0.25A 250VDC, 1 HP 125VAC, 2 HP 250VA
- Contact Resistance: 15 Megohms (max.) initial
- Insulation Resistance: 1000VAC (50/60Hz for 1 minute)
- Dielectric Strength: 250VAC (50/60Hz for 1 minute)
- Temperature Rating: −13°F to +176°F (−25°C to +80°C)
- Electrical Life: 500,000 cycles min.
- Mechanical Life: 1,000,000 cycles min.
- Terminal Type: Screw Terminals

Snap Action, General Purpose

Features
- Actuator: Short Hinge Roller Lever

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Dia. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-452</td>
<td>SPDT</td>
<td>0.25&quot;</td>
<td>0.05&quot;</td>
<td>160g</td>
<td>0.05&quot;</td>
<td>S41</td>
</tr>
</tbody>
</table>

Specifications
- Current Rating: 20A 125/250/480VAC, 10A 125VAC “L” (Tungsten)
- 0.5A 125VDC, 0.25A 250VDC, 1 HP 125VAC, 2 HP 250VA
- Contact Resistance: 15 Megohms (max.) initial
- Insulation Resistance: 1000VAC (50/60Hz for 1 minute)
- Dielectric Strength: 250VAC (50/60Hz for 1 minute)
- Temperature Rating: −13°F to +176°F (−25°C to +80°C)
- Electrical Life: 500,000 cycles min.
- Mechanical Life: 1,000,000 cycles min.
- Terminal Type: Screw Terminals
Snap Action, General Purpose

**Features**
- Actuator: Pin Plunger

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-453</td>
<td>SPDT</td>
<td>0.016&quot;</td>
<td>0.005&quot;</td>
<td>350g</td>
<td>0.002&quot;</td>
<td>S42</td>
</tr>
</tbody>
</table>

**Specifications**
- **Current Rating:** 20A 125/250 VAC, 0.5A 125/250 VDC
- **Contact Resistance:** 15 Milliohms (max.) initial
- **Insulation Resistance:** 100 Megohms (min.) at 500VDC
- **Dielectric Strength:** 1000VAC (50/60Hz for 1 minute)
- **Temperature Rating:** −13° to +176°F (−25° to +80°C)
- **Electrical Life:** 100,000 cycles min. (under rated load)
- **Mechanical Life:** 1,000,000 cycles min.
- **Terminal Type:** Screw Terminals

---

Snap Action, General Purpose

**Features**
- Actuator: Short Spring Plunger

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-454</td>
<td>SPDT</td>
<td>0.05&quot;</td>
<td>0.12&quot;</td>
<td>625g</td>
<td>0.01&quot;</td>
<td>S43</td>
</tr>
</tbody>
</table>

**Specifications**
- **Current Rating:** 20A 125/250/480VAC, 10A 125VAC "L" (Tungsten) 0.5A 125VDC, 0.25A 250VDC, 1 HP 125VAC, 2 HP 250VA
- **Contact Resistance:** 15 Milliohms (max.) initial
- **Insulation Resistance:** 100 Megohms (min.) at 500VDC
- **Dielectric Strength:** 1000VAC (50/60Hz for 1 minute)
- **Temperature Rating:** −13° to +176°F (−25° to +80°C)
- **Electrical Life:** 500,000 cycles min. (under rated load)
- **Mechanical Life:** 1,000,000 cycles min.
- **Terminal Type:** Screw Terminals
Snap Action, General Purpose

**Features**
- Actuator: Hinge Roller Lever

![Image of Snap Action, General Purpose](image)

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54−455</td>
<td>SPDT</td>
<td>0.07&quot;</td>
<td>0.09&quot;</td>
<td>90g</td>
<td>0.09&quot;</td>
<td>S44</td>
</tr>
</tbody>
</table>

**Specifications**
- **Current Rating:** 20A 125/250/480VAC, 10A 125VAC “L” (Tungsten)
- **Contact Resistance:** 15 Milliohms (max.) initial
- **Insulation Resistance:** 100 Megohms (min.) at 500VDC
- **Dielectric Strength:** 1000VAC (50/60Hz for 1 minute)
- **Temperature Rating:** 
  - Specifications: −13°F to +176°F (−25°C to +80°C)
  - Electrical Life: 500,000 cycles min. (under rated load)
  - Mechanical Life: 1,000,000 cycles min.
- **Terminal Type:** Screw Terminals

Snap Action, Standard

**Features**
- Actuator: Pin Plunger

![Image of Snap Action, Standard](image)

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54−423</td>
<td>SPDT</td>
<td>0.02&quot;</td>
<td>0.01&quot;</td>
<td>350g</td>
<td>0.002&quot;</td>
<td>S48a</td>
</tr>
<tr>
<td>54−435</td>
<td>SPDT</td>
<td>0.02&quot;</td>
<td>0.01&quot;</td>
<td>350g</td>
<td>0.002&quot;</td>
<td>S48b</td>
</tr>
</tbody>
</table>

**Specifications**
- **Current Rating:** 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
- **Contact Resistance:** 50 Milliohms (max.) initial
- **Insulation Resistance:** 100 Megohms at 500VDC
- **Dielectric Strength:** 1000VAC (50/60Hz for 1 minute)
- **Temperature Rating:** 
  - Specifications: −13°F to +176°F (−25°C to +80°C) with no icing
  - Electrical Life: 500,000 cycles min. (under rated load)
  - Mechanical Life: 20,000,000 cycles min.
- **Terminal Type:** Refer to Diag No. in Table

NTE Electronics, Inc. ● Voice (973) 748−5089 ● FAX (973) 748−6224 ● http://www.nteinc.com
Snap Action, Standard

Features
- Actuator: Short Spring Plunger

![Image of a Snap Action Switch with a Short Spring Plunger Actuator]

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuity</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-424</td>
<td>SPDT</td>
<td>0.02&quot;</td>
<td>0.06&quot;</td>
<td>350g</td>
<td>0.002&quot;</td>
<td>S49a</td>
</tr>
<tr>
<td>54-437</td>
<td>SPDT</td>
<td>0.02&quot;</td>
<td>0.06&quot;</td>
<td>350g</td>
<td>0.002&quot;</td>
<td>S49b</td>
</tr>
</tbody>
</table>

Specifications
- Current Rating: 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
- Contact Resistance: 50 Milliohmns (max.) initial
- Insulation Resistance: 100 Megohms at 500VDC
- Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
- Temperature Rating: −13° to +176°F (−25° to +80°C) with no icing
- Electrical Life: 500,000 cycles min. (under rated load)
- Mechanical Life: 20,000,000 cycles min.
- Terminal Type: Refer to Diag No. in Table

Snap Action, Standard

Features
- Actuator: Panel Mount Plunger

![Image of a Snap Action Switch with a Panel Mount Plunger Actuator]

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuity</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-425</td>
<td>SPDT</td>
<td>0.02&quot;</td>
<td>0.22&quot;</td>
<td>350g</td>
<td>0.002&quot;</td>
<td>S50a</td>
</tr>
<tr>
<td>54-433</td>
<td>SPDT</td>
<td>0.02&quot;</td>
<td>0.22&quot;</td>
<td>350g</td>
<td>0.002&quot;</td>
<td>S50b</td>
</tr>
</tbody>
</table>

Specifications
- Current Rating: 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
- Contact Resistance: 50 Milliohmns (max.) initial
- Insulation Resistance: 100 Megohms at 500VDC
- Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
- Temperature Rating: −13° to +176°F (−25° to +80°C) with no icing
- Electrical Life: 500,000 cycles min. (under rated load)
- Mechanical Life: 20,000,000 cycles min.
- Terminal Type: Refer to Diag No. in Table
Snap Action, Standard

Features
- Actuator: Slim Spring Plunger

![Snap Action, Slim Spring Plunger](image)

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-426</td>
<td>SPDT</td>
<td>0.02&quot;</td>
<td>0.06&quot;</td>
<td>350g</td>
<td>0.002&quot;</td>
<td>S51</td>
</tr>
</tbody>
</table>

Specifications
- **Current Rating:** 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
- **Contact Resistance:** 50 Milliohms (max.) initial
- **Insulation Resistance:** 100 Megohms at 500VDC
- **Dielectric Strength:** 1000VAC (50/60Hz for 1 minute)
- **Temperature Rating:** −13°F to +176°F (−25°C to +80°C) with no icing
- **Electrical Life:** 500,000 cycles min. (under rated load)
- **Mechanical Life:** 20,000,000 cycles min.
- **Terminal Type:** Screw Terminal

Snap Action, Standard

Features
- Actuator: Long Hinge Lever

![Snap Action, Long Hinge Lever](image)

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-427</td>
<td>SPDT</td>
<td>0.022&quot;</td>
<td>0.05&quot;</td>
<td>70g</td>
<td>0.05&quot;</td>
<td>S52a</td>
</tr>
<tr>
<td>54-432</td>
<td>SPDT</td>
<td>0.022&quot;</td>
<td>0.05&quot;</td>
<td>70g</td>
<td>0.05&quot;</td>
<td>S52b</td>
</tr>
</tbody>
</table>

Specifications
- **Current Rating:** 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
- **Contact Resistance:** 50 Milliohms (max.) initial
- **Insulation Resistance:** 100 Megohms at 500VDC
- **Dielectric Strength:** 1000VAC (50/60Hz for 1 minute)
- **Temperature Rating:** −13°F to +176°F (−25°C to +80°C) with no icing
- **Electrical Life:** 500,000 cycles min. (under rated load)
- **Mechanical Life:** 20,000,000 cycles min.
- **Terminal Type:** Refer to Diag No. in Table
Snap Action, Standard

Features
- Actuator: Hinge Lever

Specifications
Current Rating: 15A 125/250VAC, 0.5A 125VDC, 0.25A 250VDC
1/8 HP 125VAC, 1/4 HP 250VAC

Contact Resistance: 15 Milliohms (max.) initial
Insulation Resistance: 100 Megohms at 500VDC
Dielectric Strength: 1500VAC (50/60Hz for 1 minute)
Temperature Rating: −13°F to +176°F (−25°C to +80°C)
Electrical Life: 100,000 cycles min. (under rated load)
Mechanical Life: 1,000,000 cycles min.
Terminal Type: Screw Terminal

Snap Action, Standard

Features
- Actuator: Short Hinge Roller Lever

Specifications
Current Rating: 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
1/8 HP 125VAC, 1/4 HP 250VAC

Contact Resistance: 50 Milliohms (max.) initial
Insulation Resistance: 100 Megohms at 500VDC
Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
Temperature Rating: −13°F to +176°F (−25°C to +80°C) with no icing
Electrical Life: 500,000 cycles min. (under rated load)
Mechanical Life: 20,000,000 cycles min.
Terminal Type: Refer to Diag No. in Table
Snap Action, Standard

Features
- Actuator: Unidirectional Short Hinge Roller Lever

Specifications
Current Rating: 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
1/8 HP 125VAC, 1/4 HP 250VAC
Contact Resistance: 50 Milliohms (max.) initial
Insulation Resistance: 100 Megohms at 500VDC
Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
Temperature Rating: −13°F to +176°F (−25°C to +80°C) with no icing
Electrical Life: 500,000 cycles min. (under rated load)
Mechanical Life: 20,000,000 cycles min.
Terminal Type: Screw Terminal

Snap Action, Standard

Features
- Actuator: Panel Mount Roller Plunger

Specifications
Current Rating: 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
1/8 HP 125VAC, 1/4 HP 250VAC
Contact Resistance: 50 Milliohms (max.) initial
Insulation Resistance: 100 Megohms at 500VDC
Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
Temperature Rating: −13°F to +176°F (−25°C to +80°C) with no icing
Electrical Life: 500,000 cycles min. (under rated load)
Mechanical Life: 20,000,000 cycles min.
Terminal Type: Screw Terminal
Snap Action, Standard

Features
- Actuator: Hinge Roller Lever

**Specifications**
- Current Rating: 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
- Contact Resistance: 50 Milliohms (max.) initial
- Insulation Resistance: 100 Megohms at 500VDC
- Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
- Temperature Rating: −13°C to +176°F (−25°C to +80°C) with no icing
- Electrical Life: 500,000 cycles min. (under rated load)
- Mechanical Life: 20,000,000 cycles min.
- Terminal Type: Screw Terminal

---

Snap Action, Standard

Features
- Actuator: Panel Mount Cross Roller Plunger

**Specifications**
- Current Rating: 15A 125/250/480VAC, 0.5A 125VDC, 0.25A 250VDC
- Contact Resistance: 50 Milliohms (max.) initial
- Insulation Resistance: 100 Megohms at 500VDC
- Dielectric Strength: 1000VAC (50/60Hz for 1 minute)
- Temperature Rating: −13°C to +176°F (−25°C to +80°C) with no icing
- Electrical Life: 500,000 cycles min. (under rated load)
- Mechanical Life: 20,000,000 cycles min.
- Terminal Type: Screw Terminal
## Snap Action, Standard

### Features
- **Actuator:** Hinge Roller Lever

### Specifications
- **Current Rating:**
  - 15A 250VAC, 0.1A 125VDC (54−400, 54−405)
  - 10A 250VAC, 0.1A 125VDC (54−406)
- **Contact Resistance:**
  - 15 Milliohms (15A); 30 Milliohms (10A)(max.) initial
- **Insulation Resistance:** 100 Megohms at 500VDC
- **Dielectric Strength:** 1000VAC between non−continuous terminals
- **Temperature Rating:** −13°F to +176°F (−25°C to +80°C)
- **Electrical Life:** 100,000 (15A); 300,000 (10A) cycles min. (under rated load)
- **Mechanical Life:** 50,000,000 cycles min.
- **Terminal Type:** Refer to Diag No. in Table

---

### Snap Action, Standard

### Features
- **Actuator:** Short Hinge Roller Lever

### Specifications
- **Current Rating:**
  - 15A 250VAC, 0.1A 125VDC (54−401, 54−407, 54−408)
  - 10A 250VAC, 0.1A 125VDC (54−407, 54−408)
- **Contact Resistance:**
  - 15 Milliohms (15A); 30 Milliohms (10A)(max.) initial
- **Insulation Resistance:** 100 Megohms at 500VDC
- **Dielectric Strength:** 1000VAC between non−continuous terminals
- **Temperature Rating:** −13°F to +176°F (−25°C to +80°C)
- **Electrical Life:** 100,000 (15A); 300,000 (10A) cycles min. (under rated load)
- **Mechanical Life:** 50,000,000 cycles min.
- **Terminal Type:** Refer to Diag No. in Table

---

### Table

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54−400 *</td>
<td>SPDT</td>
<td>0.13”</td>
<td>0.09”</td>
<td>125g</td>
<td>0.03”</td>
<td>S59a</td>
</tr>
<tr>
<td>54−405 *</td>
<td>SPDT</td>
<td>0.13”</td>
<td>0.09”</td>
<td>115g</td>
<td>0.03”</td>
<td>S59a</td>
</tr>
<tr>
<td>54−406</td>
<td>SPDT</td>
<td>0.13”</td>
<td>0.09”</td>
<td>60g</td>
<td>0.03”</td>
<td>S59a</td>
</tr>
</tbody>
</table>

* Not UL approved or CSA compliant.

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54−401</td>
<td>SPDT</td>
<td>0.06”</td>
<td>0.04”</td>
<td>240g</td>
<td>0.02”</td>
<td>S60b</td>
</tr>
<tr>
<td>54−407 **</td>
<td>SPDT</td>
<td>0.06”</td>
<td>0.04”</td>
<td>240g</td>
<td>0.02”</td>
<td>S60b</td>
</tr>
<tr>
<td>54−408</td>
<td>SPDT</td>
<td>0.06”</td>
<td>0.04”</td>
<td>120g</td>
<td>0.02”</td>
<td>S60b</td>
</tr>
</tbody>
</table>

* Not UL approved or CSA compliant.
Snap Action, Standard

Features
- Actuator: Simulated Roller Lever

![Simulated Roller Lever Actuator](image1)

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diagnosis No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-402</td>
<td>SPDT</td>
<td>0.13&quot;</td>
<td>0.09&quot;</td>
<td>125g</td>
<td>0.03&quot;</td>
<td>S61</td>
</tr>
<tr>
<td>54-422</td>
<td>SPDT</td>
<td>0.13&quot;</td>
<td>0.09&quot;</td>
<td>60g</td>
<td>0.03&quot;</td>
<td>S61</td>
</tr>
</tbody>
</table>

Specifications
- **Current Rating:**
  - 15A 250VAC, 0.1A 125VDC (54-402)
  - 10A 250VAC, 0.1A 125VDC (54-422)
- **Contact Resistance:**
  - 15 Milliohms (max.) initial
- **Insulation Resistance:**
  - 100 Megohms at 500VDC
- **Dielectric Strength:**
  - 1000VAC between non-continuous terminals
- **Temperature Rating:**
  - −13°F to +176°F (−25°C to +80°C)
- **Electrical Life:**
  - 100,000 (15A); 300,000 (10A) cycles min. (under rated load)
- **Mechanical Life:**
  - 50,000,000 cycles min.
- **Terminal Type:**
  - 0.187" Quick Connect Terminals

Snap Action, Standard

Features
- Actuator: Hinge Lever

![Hinge Lever Actuator](image2)

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diagnosis No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-403</td>
<td>SPDT</td>
<td>0.13&quot;</td>
<td>0.09&quot;</td>
<td>125g</td>
<td>0.03&quot;</td>
<td>S62</td>
</tr>
<tr>
<td>54-403L</td>
<td>SPDT</td>
<td>0.35&quot;</td>
<td>0.12&quot;</td>
<td>70g</td>
<td>0.08&quot;</td>
<td>S62</td>
</tr>
<tr>
<td>54-414</td>
<td>SPDT</td>
<td>0.13&quot;</td>
<td>0.09&quot;</td>
<td>60g</td>
<td>0.03&quot;</td>
<td>S62</td>
</tr>
</tbody>
</table>

Specifications
- **Current Rating:**
  - 15A 250VAC, 0.1A 125VDC (54-403, 54-403L)
  - 10A 250VAC, 0.1A 125VDC (54-414)
- **Contact Resistance:**
  - 15 Milliohms (max.) initial
- **Insulation Resistance:**
  - 100 Megohms at 500VDC
- **Dielectric Strength:**
  - 1000VAC between non-continuous terminals
- **Temperature Rating:**
  - −13°F to +176°F (−25°C to +80°C)
- **Electrical Life:**
  - 100,000 cycles min. (under rated load)
- **Mechanical Life:**
  - 50,000,000 cycles min.
- **Terminal Type:**
  - 0.187" Quick Connect Terminals
Snap Action, Standard

Features

- Actuator: Pin Plunger

![Pin Plunger Image]

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Current Rating</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-404</td>
<td>SPDT A</td>
<td>10A 250VAC, 0.1A 125VDC</td>
<td>0.06</td>
<td>0.04</td>
<td>100g</td>
<td>0.02</td>
<td>S63a</td>
</tr>
<tr>
<td>54-403L</td>
<td>SPDT B</td>
<td>15A 250VAC, 0.1A 125VDC</td>
<td>0.05</td>
<td>0.03</td>
<td>200g</td>
<td>0.02</td>
<td>S63b</td>
</tr>
</tbody>
</table>

Specifications

- **Current Rating:** A: 10A 250VAC, 0.1A 125VDC, B: 15A 250VAC, 0.1A 125VDC, C: 15A 250VAC, 15A 125VAC
- **Contact Resistance:** 15 Milliohms (15A); 30 Milliohms (10A) (max.) initial
- **Insulation Resistance:** 100 Megohms at 500VDC
- **Dielectric Strength:** 1000VAC between non-continuous terminals
- **Temperature Rating:** −13°F to +176°F (−25°C to +80°C)
- **Electrical Life:** 300,000 cycles min. (under rated load)
- **Mechanical Life:** 50,000,000 cycles min.
- **Terminal Type:** Refer to Diag No. in Table

Snap Action, Standard

Features

- Actuator: Long Hinge Lever

![Long Hinge Lever Image]

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Diag No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-403L</td>
<td>SPDT B</td>
<td>15A 250VAC, 0.1A 125VDC</td>
<td>0.05</td>
<td>0.03</td>
<td>200g</td>
<td>0.02</td>
</tr>
</tbody>
</table>

Specifications

- **Current Rating:** 10A 250VAC, 0.1A 125VDC (54–409, 54–410)
- **Contact Resistance:** 30 Milliohms (max.) initial
- **Insulation Resistance:** 100 Megohms at 500VDC
- **Dielectric Strength:** 1000VAC between non-continuous terminals
- **Temperature Rating:** −13°F to +176°F (−25°C to +80°C)
- **Electrical Life:** 300,000 cycles min. (under rated load)
- **Mechanical Life:** 50,000,000 cycles min.
- **Terminal Type:** .187" Quick Connect Terminals

Quick Connect Terminals

Device Type | L |
------------|---|
54–409L     | 2.336 (60.4) |
54–406L     | 2.265 (57.4) |
Snap Action, Standard

Features
- Actuator: Short Hinge Lever

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Dia. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-421</td>
<td>SPDT</td>
<td>0.05&quot;</td>
<td>0.05&quot;</td>
<td>200g</td>
<td>0.01&quot;</td>
<td>S65</td>
</tr>
</tbody>
</table>

Specifications

Current Rating: 10A 250VAC, 0.1A 125VDC
Contact Resistance: 30 Milliohms (max.) initial
Insulation Resistance: 100 Megohms at 500VDC
Dielectric Strength: 1000VAC between non−continuous terminals
Temperature Rating: -13°C to +176°F (−25°C to +80°C)
Electrical Life: 300,000 cycles min. (under rated load)
Mechanical Life: 50,000,000 cycles min.
Terminal Type: .187" Quick Connect Terminals

Snap Action, Sealed, Miniature

Features
- Actuator: Long Hinge Lever
- Sealed Construction (Meets IP50 Requirements)
- RoHS Compliant

<table>
<thead>
<tr>
<th>NTE Type No.</th>
<th>Circuitry</th>
<th>Max. Pre-Travel</th>
<th>Min. Over Travel</th>
<th>Max. Operating Force</th>
<th>Max. Differential</th>
<th>Dia. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>54-480WT</td>
<td>SPDT</td>
<td>0.35&quot;</td>
<td>0.13&quot;</td>
<td>60g</td>
<td>0.03&quot;</td>
<td>S110</td>
</tr>
<tr>
<td>54-481WT</td>
<td>SPDT</td>
<td>0.35&quot;</td>
<td>0.13&quot;</td>
<td>60g</td>
<td>0.03&quot;</td>
<td>S110</td>
</tr>
</tbody>
</table>

Specifications

Current Rating:
- 54−480WT: 5A 125/250VAC (Note: UL/CSA for 3 Amp Only), 5A 30VDC, 0.4A 125VDC, 0.2A 250VDC
- 54−481WT: 0.1A 125VAC, 0.1A 30VDC
Contact Resistance: 100 Milliohms (max.) initial
Insulation Resistance: 100 Megohms (min.) at 500VDC
Dielectric Strength (50/60Hz for 1 min.):
- Between Contacts of Same Polarity: 1000VAC
- Between Each Terminal & GND: 1500VAC
Temperature Rating: -40°C to +194°F (−40°C to +90°C)
Electrical Life: 100,000 (5A Type), 1,000,000 (0.1A Type) cycles min.
Mechanical Life: 10,000,000 cycles min.
Terminal Type: Solder Lug and #187 Tab Terminals