## SAJ2 Series - Snap Action Switches

## Applications

- Home

Appliances

- Communication equipment
- Security
- Electronic
equipment
- Printers


## Features

- Sub-miniature microswitch conforming to UL.
- PCB terminal models are resistant to flux.
- Highly reliable with long operating life.


TE Connectivity SAJ2 Series of Sub-miniature Snap Action Switches offer flexibility through various combinations of lever styles. These switches are designed to convert a mechanical action in an electrical one. This makes them very suitable for applications such as Home Appliances, Computer Peripherals, Factory Automation as well as other domestic and industrial uses.

TE's Snap Action switches are dimensionally identical with other popular brands, making them extremely suitable for use in existing designs. They are available with various contact styles to aid flexibility

Characteristics - Electrical

|  |  |
| :--- | :--- |
| Contact Rating | 5 A at $125 \mathrm{VAC} / 3 \mathrm{~A}$ at 250 VAC <br> 3 A at 30 VDC |
| Mechanical Durability | $10,000,000$ cycles min. |
| Electrical Durability | 10,000 cycles min. |
| Contact Resistance | $50 \mathrm{~m} \Omega \mathrm{MAX}$. |
| Insulation Resistance | $100 \mathrm{M} \Omega \mathrm{MIN}$. |
|  | Between terminals of same polarity <br> AC 1000 V 1 minute |
|  | Between current-carrying metal parts and <br> ground AC 1500 V 1 minute |
| Dielectric Strength | Between each terminal and non-current- <br> carrying metal part <br> AC 1500 V 1 minute |
| Operating Temp. | $-40^{\circ} \mathrm{C}-+75^{\circ} \mathrm{C}$ |

Dimensions in millimetres unless otherwise specified Specifications subject to change

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## Mechanical Measurements

TE Smart Part Number: SAJ25YXPP0147SDTSEQ


| Operation Characteristics |  |
| :--- | :---: |
| Operating Force (OF) | $150 \mathrm{gf}(1.47 \mathrm{~N}) \mathrm{MAX}$. |
| Release Force (RF) | $25 \mathrm{gf}(0.25 \mathrm{~N}) \mathrm{MIN}$. |
| Pretravel (PT) | 0.50 mm MAX. |
| Overtravel (OT) | 0.50 mm MIN. |
| Movement Differential (MD) | 0.10 mm MAX. |
| Operating Position (OP) | $8.4 \pm 0.5 \mathrm{~mm}$ |
| Free Position (FP) | $12 \mathrm{~mm} \mathrm{MAX}$. |

TE Smart Part Number: SAJ25YXHLO147SDTSEQ


| Operation Characteristics |  |
| :--- | :---: |
| Operating Force (OF) | $50 \mathrm{gf}(0.49 \mathrm{~N}) \mathrm{MAX}$. |
| Release Force (RF) | $60 \mathrm{gf}(0.06 \mathrm{~N}) \mathrm{MIN}$. |
| Overtravel (OT) | 1.20 mm MIN. |
| Movement Differential (MD) | 0.80 mm MAX. |
| Operating Position (OP) | $8.8 \pm 0.8 \mathrm{~mm}$ |
| Free Position (FP) | 12 mm MAX. |

TE Smart Part Number: SAJ25YXRHL147SDTSEQ


| Operation Characteristics |  |
| :--- | :---: |
| Operating Force (OF) | $50 \mathrm{gf}(0.49 \mathrm{~N}) \mathrm{MAX}$. |
| Release Force (RF) | $60 \mathrm{gf}(0.06 \mathrm{~N}) \mathrm{MIN}$. |
| Overtravel (OT) | 1.20 mm MIN. |
| Movement Differential (MD) | 0.80 mm MAX. |
| Operating Position (OP) | $10.7 \pm 0.8 \mathrm{~mm}$ |
| Free Position (FP) | 15.5 mm MAX. |

Dimensions in millimetres unless otherwise specified reference purposes only. Specifications subject to change

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## Mechanical Measurements

TE Smart art Number: SAJ25YXWHL147SDTSEQ


| Operation Characteristics |  |
| :--- | :---: |
| Operating Force (OF) | $50 \mathrm{gf}(0.49 \mathrm{~N}) \mathrm{MAX}$. |
| Release Force (RF) | $60 \mathrm{gf}(0.06 \mathrm{~N}) \mathrm{MIN}$. |
| Overtravel (OT) | 1.20 mm MIN. |
| Movement Differential (MD) | 0.80 mm MAX. |
| Operating Position (OP) | $14.5 \pm 0.8 \mathrm{~mm}$ |
| Free Position (FP) | 19.3 mm MAX. |

TE Smart Part Number: SAJ25YXUL1147SDTSEQ


| Operation Characteristics |  |
| :--- | :---: |
| Operating Force (OF) | $50 \mathrm{gf}(0.49 \mathrm{~N}) \mathrm{MAX}$. |
| Release Force (RF) | $60 \mathrm{gf}(0.06 \mathrm{~N}) \mathrm{MIN}$. |
| Overtravel (OT) | 1.20 mm MIN. |
| Movement Differential (MD) | 0.80 mm MAX. |
| Operating Position (OP) | $12.5 \pm 0.8 \mathrm{~mm}$ |
| Free Position (FP) | 16 mm MAX. |

Dimensions in millimetres unless otherwise specified Specifications subject to change

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## Circuit



Split Contact

## How to Order



Dimensions in millimetres unless otherwise specified

Dimensions Shown for reference purposes only. Specifications subject to change

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