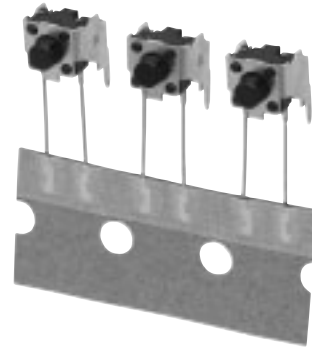


### 5N Type Side-operational 4R Light Touch Switches

Type: **EVQPC**

#### ■ Features

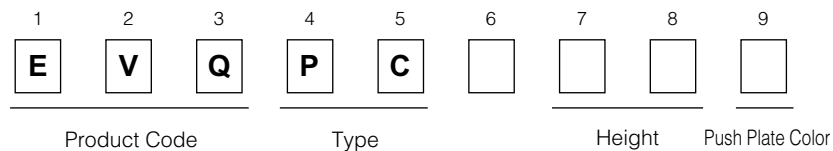
- Wealth of product types: Horizontal type, snap-in terminals, etc.
- Can be automatically dip-soldered: Integral molding of the terminals and main body prevents the escape of flux.



#### ■ Recommended Applications

- Operating switches for electronic equipment

#### ■ Explanation of Part Numbers



#### ■ Specifications

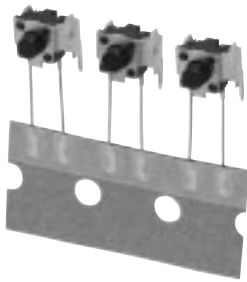
| Type                          |                                 | Snap action/Push-on type SPST  |                   |
|-------------------------------|---------------------------------|--|-------------------|
| Electrical                    | Circuit Diagram                 |  |                   |
|                               | Rating                          | 10 $\mu$ A 2 Vdc to 20 mA 15 Vdc (Resistiv load)   |                   |
|                               | Contact Resistance              | 50 m $\Omega$ max.   |                   |
|                               | Insulation Resistance           | 50 M $\Omega$ min. (at 100 Vdc)  |                   |
|                               | Dielectric Withstanding Voltage | 250 Vac for 1 minute   |                   |
| Mechanical                    | Bouncing                        | 3 ms max. (ON)<br>8 ms max. (OFF)  |                   |
|                               | Operating Force                 | 1.0 N $\pm$ 0.4 N<br>1.3 N $\pm$ 0.4 N<br>1.6 N $\pm$ 0.5 N                                  | 2.6 N $\pm$ 0.6 N |
|                               | Travel                          | 0.25 mm $\pm$ 0.10 mm  |                   |
| Endurance                     | Operating Life                  | 100000 cycles min.*  | 50000 cycles min. |
| Operating Temperature         |                                 | -20 $^{\circ}$ C to +70 $^{\circ}$ C   |                   |
| Storage Temperature           |                                 | -40 $^{\circ}$ C to +85 $^{\circ}$ C (Bulk)<br>-20 $^{\circ}$ C to +40 $^{\circ}$ C (Taping) |                   |
| Minimum Quantity/Packing Unit |                                 | 700 pcs. Radial Taping (Reel Pack)   |                   |
| Quantity/Carton               |                                 | 7000 pcs.  |                   |

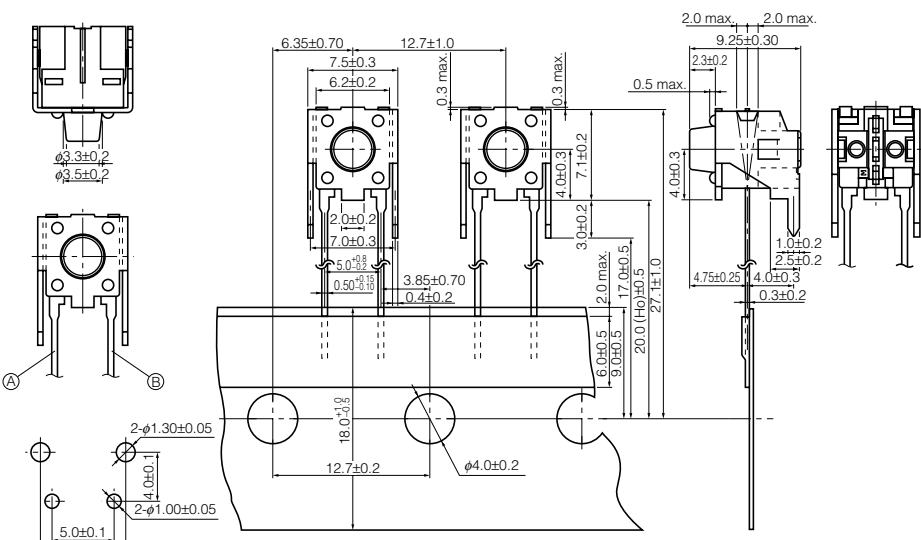
\*1 million cycles also available, consult our salesmen.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

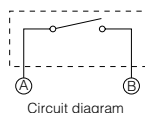
■ Dimensions in mm (not to scale)

EVQPC





PWB mounting hole for reference  
(Pitch tolerance: ±0.1)  
View from mounting side



Circuit diagram

| Part Numbers | Operating Force | Push Plate Place | Push Plate Color | Operating Life | Insert Machine | H <sup>o</sup> Dimension |
|--------------|-----------------|------------------|------------------|----------------|----------------|--------------------------|
| EVQPC005K    | 1.0 N           | 4.75 mm          | Black            | 100000 cycles  | Panasert       | 20 mm                    |
| EVQPC105K    | 1.3 N           | 4.75 mm          | Black            | 100000 cycles  | Panasert       | 20 mm                    |
| EVQPC205K    | 1.6 N           | 4.75 mm          | Black            | 100000 cycles  | Panasert       | 20 mm                    |
| EVQPC305K    | 2.6 N           | 4.75 mm          | Black            | 50000 cycles   | Panasert       | 20 mm                    |
| EVQPC405K    | 1.0 N           | 4.75 mm          | Black            | 100000 cycles  | Avisert        | 21 mm                    |
| EVQPCP05K    | 1.3 N           | 4.75 mm          | Black            | 100000 cycles  | Avisert        | 21 mm                    |
| EVQPC605K    | 1.6 N           | 4.75 mm          | Black            | 100000 cycles  | Avisert        | 21 mm                    |
| EVQPC705K    | 2.6 N           | 4.75 mm          | Black            | 50000 cycles   | Avisert        | 21 mm                    |

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