

## 5N Type Side-operational Light Touch Switches

Type: **EVQPF**



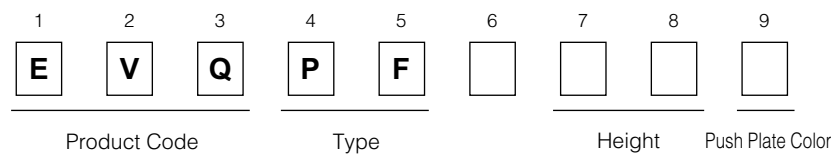
### ■ Features

- 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 other 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) 8 ms max. (OFF)	
	Operating Force	1.0 N $\pm$ 0.4 N 1.3 N $\pm$ 0.4 N 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)	
Minimum Quantity/ Packing Unit	Top-push	500 pcs. Polyethylene Bag (Bulk)	
Quantity/Cartron	Top-push	10000 pcs.	

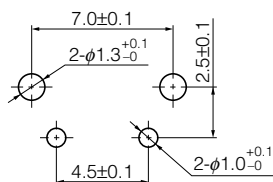
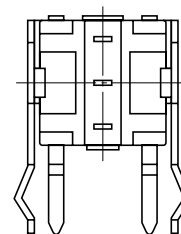
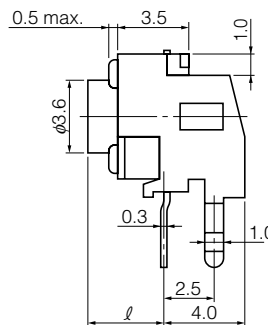
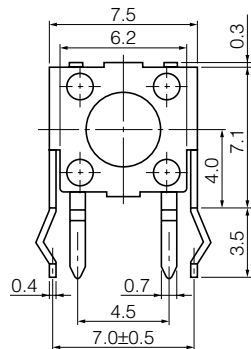
\*1 million cycles also available, consult our salesmen.

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.

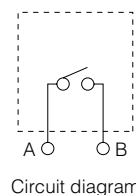
■ Dimensions in mm (not to scale)

Part Numbers	Operating Force	$l$ = Push Plate Place	Push Plate Color	Operating Life
EVQPF003M	1.0 N	3.15 mm	White	100000 cycles
<b>EVQPF004R</b>	<b>1.0 N</b>	<b>3.85 mm</b>	<b>Red</b>	<b>100000 cycles</b>
<b>EVQPF006K</b>	<b>1.0 N</b>	<b>5.85 mm</b>	<b>Black</b>	<b>100000 cycles</b>
<b>EVQPF008K</b>	<b>1.0 N</b>	<b>8.35 mm</b>	<b>Black</b>	<b>100000 cycles</b>
EVQPF103M	1.3 N	3.15 mm	White	100000 cycles
<b>EVQPF104R</b>	<b>1.3 N</b>	<b>3.85 mm</b>	<b>Red</b>	<b>100000 cycles</b>
<b>EVQPF106K</b>	<b>1.3 N</b>	<b>5.85 mm</b>	<b>Black</b>	<b>100000 cycles</b>
<b>EVQPF108K</b>	<b>1.3 N</b>	<b>8.35 mm</b>	<b>Black</b>	<b>100000 cycles</b>
EVQPF203M	1.6 N	3.15 mm	White	100000 cycles
<b>EVQPF204R</b>	<b>1.6 N</b>	<b>3.85 mm</b>	<b>Red</b>	<b>100000 cycles</b>
<b>EVQPF206K</b>	<b>1.6 N</b>	<b>5.85 mm</b>	<b>Black</b>	<b>100000 cycles</b>
<b>EVQPF208K</b>	<b>1.6 N</b>	<b>8.35 mm</b>	<b>Black</b>	<b>100000 cycles</b>
<b>EVQPF303M</b>	<b>2.6 N</b>	<b>3.15 mm</b>	<b>White</b>	<b>50000 cycles</b>
<b>EVQPF304R</b>	<b>2.6 N</b>	<b>3.85 mm</b>	<b>Red</b>	<b>50000 cycles</b>
<b>EVQPF306K</b>	<b>2.6 N</b>	<b>5.85 mm</b>	<b>Black</b>	<b>50000 cycles</b>
<b>EVQPF308K</b>	<b>2.6 N</b>	<b>8.35 mm</b>	<b>Black</b>	<b>50000 cycles</b>

EVQPF



PWB mounting hole for reference  
(PWB thickness=1.6 mm)  
View from mounting side



Circuit diagram

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