

5N Type Side-operational Light Touch Switches

Type: **EVQPF**



■ Features

- Wealth of product types: With or without a ground terminal, vertical or 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

1	2	3	4	5	6	7	8	9
E	V	Q	P	F				
Product Code			Type		Height		Push Plate Color	

■ Specifications

Type		Snap action/Push-on type SPST	
Electrical	Circuit Diagram		
	Rating	10 μ A 2 Vdc to 20 mA 15 Vdc (Resistiv load)	
	Contact Resistance	50 m Ω max.	
	Insulation Resistance	50 M Ω min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	3 ms max. (ON) 8 ms max. (OFF)	
Mechanical	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.	

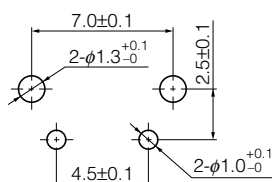
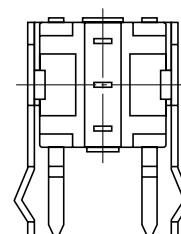
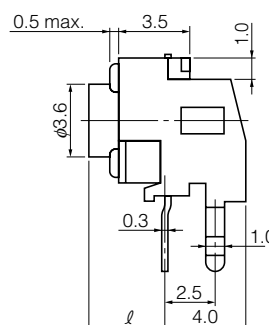
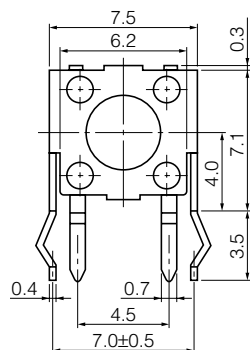
*1 million cycles also available, consult our salesmen.

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.

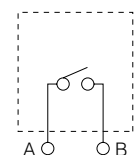
■ Dimensions in mm (not to scale)

EVQPF

Without ground terminal



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



Circuit diagram

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