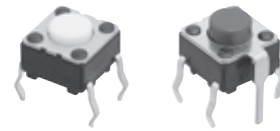


5N Type Light Touch Switches

Type: **EVQPA/EVQPB**

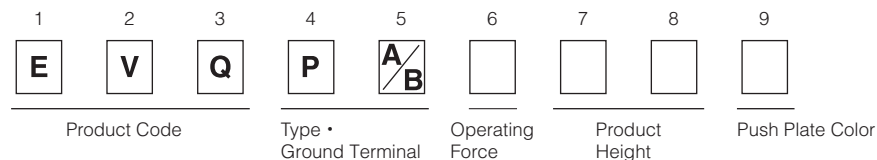
■ Features

- Wealth of product types: With or without a ground terminal, vertical 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 μ A 2 V DC to 20 mA 15 V DC (Resistive load)	
	Contact Resistance	50 m Ω max.	
	Insulation Resistance	50 M Ω min. (at 100 V DC)	
	Dielectric Withstanding Voltage	250 V AC 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	100,000 cycles min.*	50,000 cycles min.
Operating Temperature		-20 °C to +70 °C	
Storage Temperature		-40 °C to +85 °C (Bulk)	
Minimum Quantity/Packing Unit		500 pcs. Polyethylene Bag (Bulk)	
Quantity/Carton		10,000 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)

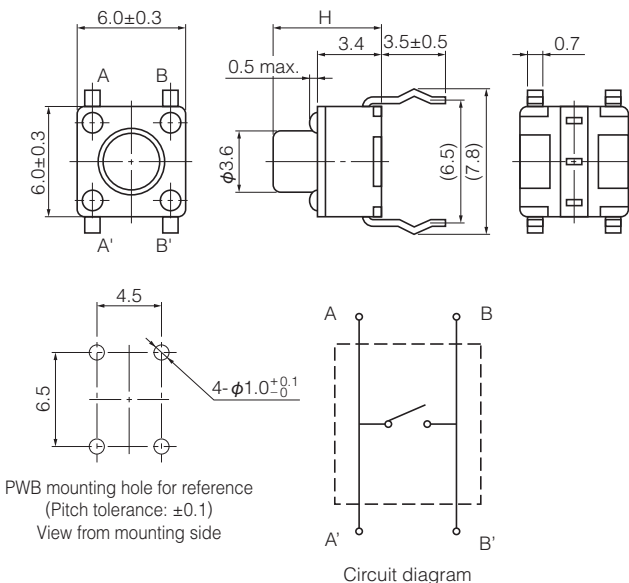
No. 1

EVQPA

Without ground terminal



General dimension tolerance : ± 0.2
() dimensions are reference dimensions.



Technical drawings of the EVQPA switch:

- Top View:** Shows a square footprint with dimensions 6.0 ± 0.3 mm. Terminals are labeled A, B, A', and B'.
- Side View:** Shows the height H and terminal spacing. Dimensions include 0.5 max. , 3.4 , 3.5 ± 0.5 , and a reference dimension of 0.7 .
- Bottom View:** Shows the mounting side with a central circular feature and dimensions 6.0 ± 0.3 mm.
- PWB mounting hole for reference:** A 4-pin configuration with a pitch of 4.5 mm and a hole diameter of $4 - \phi 1.0^{+0.1}_{-0}$. Pitch tolerance is ± 0.1 .
- Circuit diagram:** A schematic showing the internal switch mechanism connecting terminals A, B, A', and B'.

Part Numbers	Operating Force	H=Height	Push Plate Color	Operating Life
EVQPAC04M	1.0 N	4.3 mm	White	100,000 cycles
EVQPAC05R	1.0 N	5.0 mm	Red	100,000 cycles
EVQPAC07K	1.0 N	7.0 mm	Black	100,000 cycles
EVQPAC09K	1.0 N	9.5 mm	Black	100,000 cycles
EVQPAD04M	1.3 N	4.3 mm	White	100,000 cycles
EVQPAD05R	1.3 N	5.0 mm	Red	100,000 cycles
EVQPAD07K	1.3 N	7.0 mm	Black	100,000 cycles
EVQPAD09K	1.3 N	9.5 mm	Black	100,000 cycles
EVQPAE04M	1.6 N	4.3 mm	White	100,000 cycles
EVQPAE05R	1.6 N	5.0 mm	Red	100,000 cycles
EVQPAE07K	1.6 N	7.0 mm	Black	100,000 cycles
EVQPAE09K	1.6 N	9.5 mm	Black	100,000 cycles
EVQPAG04M	2.6 N	4.3 mm	White	50,000 cycles
EVQPAG05R	2.6 N	5.0 mm	Red	50,000 cycles
EVQPAG07K	2.6 N	7.0 mm	Black	50,000 cycles
EVQPAG09K	2.6 N	9.5 mm	Black	50,000 cycles


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■ Dimensions in mm (not to scale)

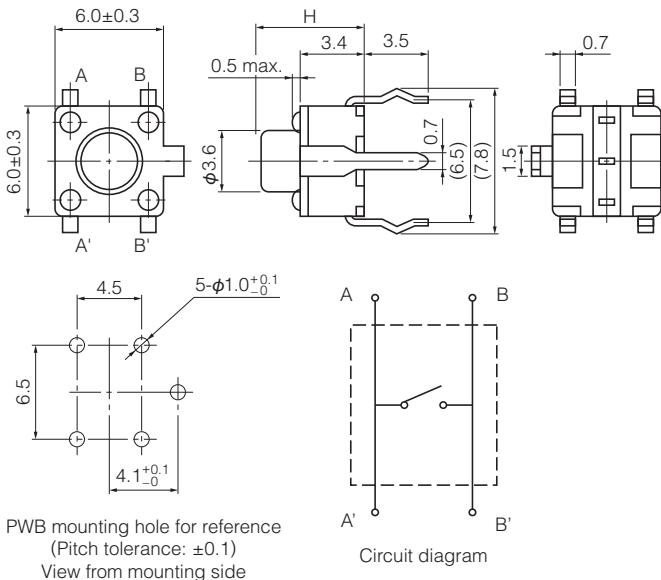
No. 2

EVQPB

With ground terminal



General dimension tolerance : ± 0.2
() dimensions are reference dimensions.



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

Circuit diagram

Part Numbers	Operating Force	H=Height	Push Plate Color	Operating Life
EVQPBC04M	1.0 N	4.3 mm	White	100,000 cycles
EVQPBC05R	1.0 N	5.0 mm	Red	100,000 cycles
EVQPBC07K	1.0 N	7.0 mm	Black	100,000 cycles
EVQPBC09K	1.0 N	9.5 mm	Black	100,000 cycles
EVQPBD04M	1.3 N	4.3 mm	White	100,000 cycles
EVQPBD05R	1.3 N	5.0 mm	Red	100,000 cycles
EVQPBD07K	1.3 N	7.0 mm	Black	100,000 cycles
EVQPBD09K	1.3 N	9.5 mm	Black	100,000 cycles
EVQPBE04M	1.6 N	4.3 mm	White	100,000 cycles
EVQPBE05R	1.6 N	5.0 mm	Red	100,000 cycles
EVQPBE07K	1.6 N	7.0 mm	Black	100,000 cycles
EVQPBE09K	1.6 N	9.5 mm	Black	100,000 cycles
EVQPBG04M	2.6 N	4.3 mm	White	50,000 cycles
EVQPBG05R	2.6 N	5.0 mm	Red	50,000 cycles
EVQPBG07K	2.6 N	7.0 mm	Black	50,000 cycles
EVQPBG09K	2.6 N	9.5 mm	Black	50,000 cycles

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