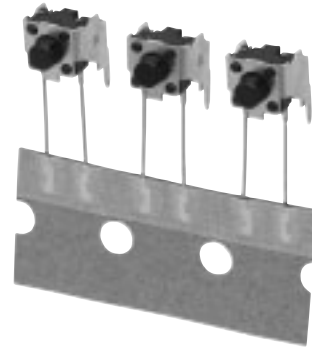


5N Type Side-operational 4R Light Touch Switches

Type: **EVQPC**

■ Features

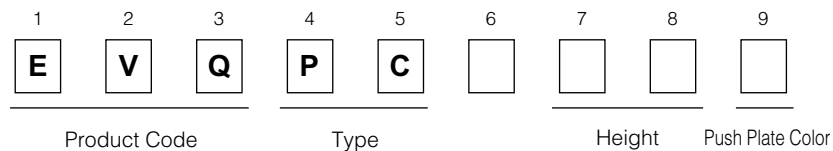
- Wealth of product types: Horizontal type, snap-in terminals, etc.
- Can be automatically dip-soldered: Integral molding of the terminals and main body prevents the escape of flux.



■ Recommended Applications

- Operating switches for electronic equipment

■ Explanation of Part Numbers



■ Specifications

Type		Snap action/Push-on type SPST	
Electrical	Circuit Diagram		
	Rating	10 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	
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) -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

Technical drawing showing dimensions for EVQPC light touch switches. Dimensions are in mm (not to scale).

Key dimensions include:

- Top view: 6.35 ± 0.70 , 12.7 ± 1.0 , 7.5 ± 0.3 , 6.2 ± 0.2 , 0.3 max., 0.3 max., 2.0 ± 0.2 , 7.0 ± 0.3 , 5.0 ± 0.2 , 0.50 ± 0.15 , 3.85 ± 0.70 , 0.4 ± 0.2 , 18.0 ± 0.3 , 12.7 ± 0.2 , $\phi 4.0 \pm 0.2$
- Side view: 2.0 max., 2.0 max., 9.25 ± 0.30 , 2.3 ± 0.2 , 0.5 max., 4.0 ± 0.3 , 1.0 ± 0.2 , 2.5 ± 0.2 , 4.75 ± 0.25 , 4.0 ± 0.3 , 0.3 ± 0.2
- Front view: 6.0 ± 0.5 , 9.0 ± 0.5 , 2.0 max., 17.0 ± 0.5 , 20.0 (Ho) ± 0.5 , 27.1 ± 1.0
- Mounting hole detail: $2 \times \phi 1.30 \pm 0.05$, 4.0 ± 0.1 , $2 \times \phi 1.00 \pm 0.05$, 5.0 ± 0.1 , 7.0 ± 0.1
- Circuit diagram: Shows a switch with terminals A and B.

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 ^o 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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