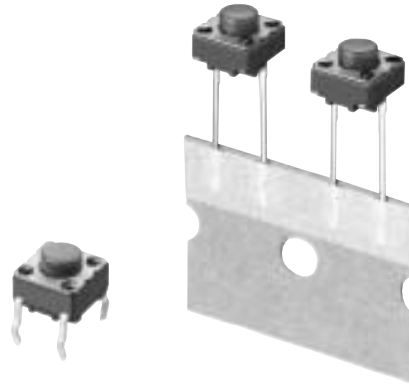


Light Touch Switches/5N Type

Japan
Malaysia
China

Type: **EVQPA/EVQPB/EVQPF**
EVQ2/EVQ3/EVQPC

Broad product range meets a variety of needs



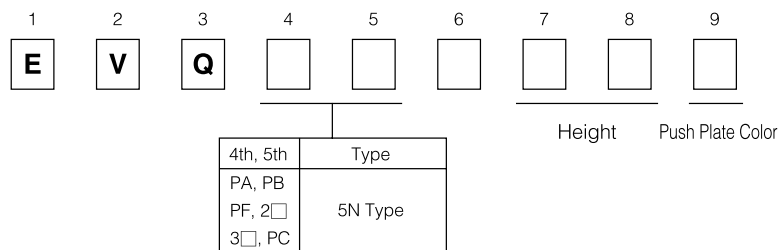
■ Features

- 6.0 mm×6.0 mm square, body thickness 3.2 mm
- Travel 0.25 mm, clear click feeling
- Wide selection with or without ground terminal, top-push or side-push type with snap-in terminals available
- Wave soldering applicable

■ Recommended Applications

- Operating button switches for Audio Visual, OA, Communication Equipment, Measurement Instruments

■ Explanation of Part Numbers



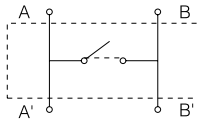
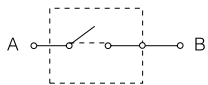
■ Product Chart

○=In production

Operating Force	Positioning Pin	Ground Terminal	Top-push Type				Side-push Type			
			4.3mm	5.0mm	7.0mm	9.5mm	3.15mm	3.85mm	5.85mm	8.35mm
1.0 N	Without positioning pin	With ground terminal	○	○	○	○	○	○	○	○
		Without ground terminal	○	○	○	○	—	—	—	—
1.3 N	Without positioning pin	With ground terminal	○	○	○	○	○	○	○	○
		Without ground terminal	○	○	○	○	—	—	—	—
1.6 N	Without positioning pin	With ground terminal	○	○	○	○	○	○	○	○
		Without ground terminal	○	○	○	○	—	—	—	—
2.6 N	Without positioning pin	With ground terminal	○	○	○	○	○	○	○	○
		Without ground terminal	○	○	○	○	—	—	—	—

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.

Major Specifications

Type			Snap action/Push-on type SPST			
Electrical	Circuit Diagram		Top-push		Side-push	
						
			Rating			
			20 mA 15 Vdc			
			Contact Resistance			
			50 mΩ max.			
Insulation Resistance						
50 MΩ 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±0.4 N		2.6 N±0.6 N	
			1.3 N±0.4 N			
1.6 N±0.5 N						
Travel		0.25 mm±0.10 mm				
Endurance	Operating Life		100000 cycles min.		50000 cycles min.	
	Operating Temperature		-20 °C to +70 °C			
	Storage Temperature		-40 °C to +85 °C (Bulk) -20 °C to +40 °C (Taping)			
Minimum Quantity /Packing Unit		Top-push	Balk	500 pcs. (Vinyl Bag)		
			Taping	1000 pcs. (Radial Taping)		
		Side-push	Balk	500 pcs. (Vinyl Bag)		
			Taping	700 pcs. (Radial Taping)		
Quantity/Carton		Top-push	Balk	10000 pcs.		
			Taping	10000 pcs.		
		Side-push	Balk	10000 pcs.		
			Taping	7000 pcs.		

1 million cycles also available, contact 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)

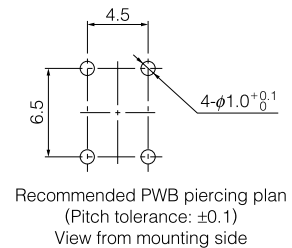
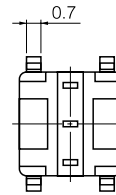
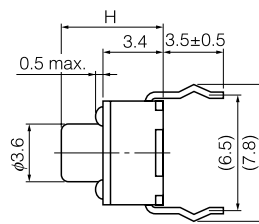
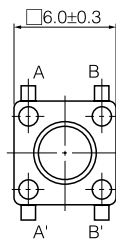
No. 1

Japan
Malaysia
China

EVQPA

(Bulk)

Top-push
Without ground terminal



Part Numbers	Operating Force	H=Height	Push Plate Color	Operating Life
EVQPAC04M	1.0 N	4.3 mm	White	100000 cycles
EVQPAC05R	1.0 N	5.0 mm	Red	100000 cycles
EVQPAC07K	1.0 N	7.0 mm	Black	100000 cycles
EVQPAC09K	1.0 N	9.5 mm	Black	100000 cycles
EVQPAD04M	1.3 N	4.3 mm	White	100000 cycles
EVQPAD05R	1.3 N	5.0 mm	Red	100000 cycles
EVQPAD07K	1.3 N	7.0 mm	Black	100000 cycles
EVQPAD09K	1.3 N	9.5 mm	Black	100000 cycles
EVQPAE04M	1.6 N	4.3 mm	White	100000 cycles
EVQPAE05R	1.6 N	5.0 mm	Red	100000 cycles
EVQPAE07K	1.6 N	7.0 mm	Black	100000 cycles
EVQPAE09K	1.6 N	9.5 mm	Black	100000 cycles
EVQPAG04M	2.6 N	4.3 mm	White	50000 cycles
EVQPAG05R	2.6 N	5.0 mm	Red	50000 cycles
EVQPAG07K	2.6 N	7.0 mm	Black	50000 cycles
EVQPAG09K	2.6 N	9.5 mm	Black	50000 cycles

■ Dimensions in mm (not to scale)

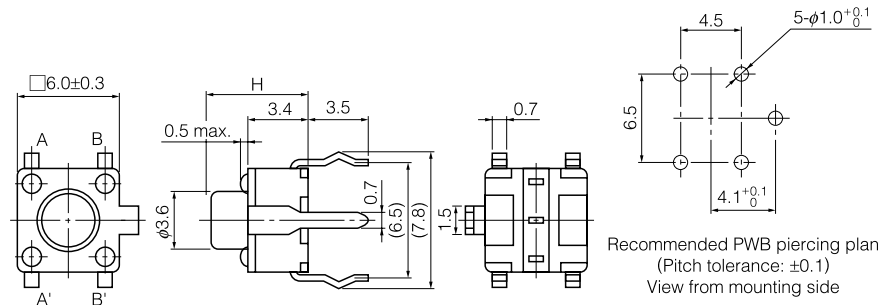
No. 2

Japan
China

EVQPB

(Bulk)

Top-push
With ground terminal



Part Numbers	Operating Force	H=Height	Push Plate Color	Operating Life
EVQPBC04M	1.0 N	4.3 mm	White	100000 cycles
EVQPBC05R	1.0 N	5.0 mm	Red	100000 cycles
EVQPBC07K	1.0 N	7.0 mm	Black	100000 cycles
EVQPBC09K	1.0 N	9.5 mm	Black	100000 cycles
EVQPBD04M	1.3 N	4.3 mm	White	100000 cycles
EVQPBD05R	1.3 N	5.0 mm	Red	100000 cycles
EVQPBD07K	1.3 N	7.0 mm	Black	100000 cycles
EVQPBD09K	1.3 N	9.5 mm	Black	100000 cycles
EVQPBE04M	1.6 N	4.3 mm	White	100000 cycles
EVQPBE05R	1.6 N	5.0 mm	Red	100000 cycles
EVQPBE07K	1.6 N	7.0 mm	Black	100000 cycles
EVQPBE09K	1.6 N	9.5 mm	Black	100000 cycles
EVQPBG04M	2.6 N	4.3 mm	White	50000 cycles
EVQPBG05R	2.6 N	5.0 mm	Red	50000 cycles
EVQPBG07K	2.6 N	7.0 mm	Black	50000 cycles
EVQPBG09K	2.6 N	9.5 mm	Black	50000 cycles

■Dimensions in mm (not to scale)

No. 3

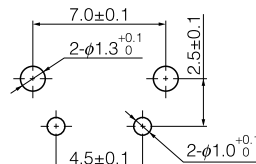
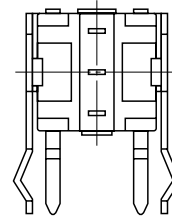
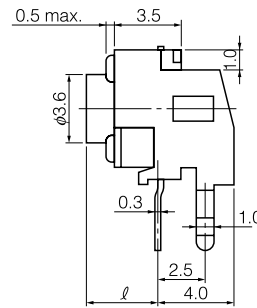
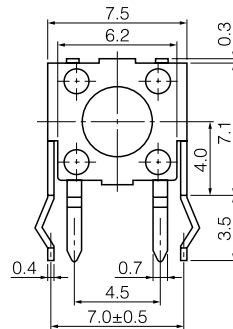
Japan

EVQPF

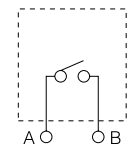
(Bulk)

Side-push

Without ground terminal



Recommended
PWB piercing plan
(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

■ Dimensions in mm (not to scale)

No. 4

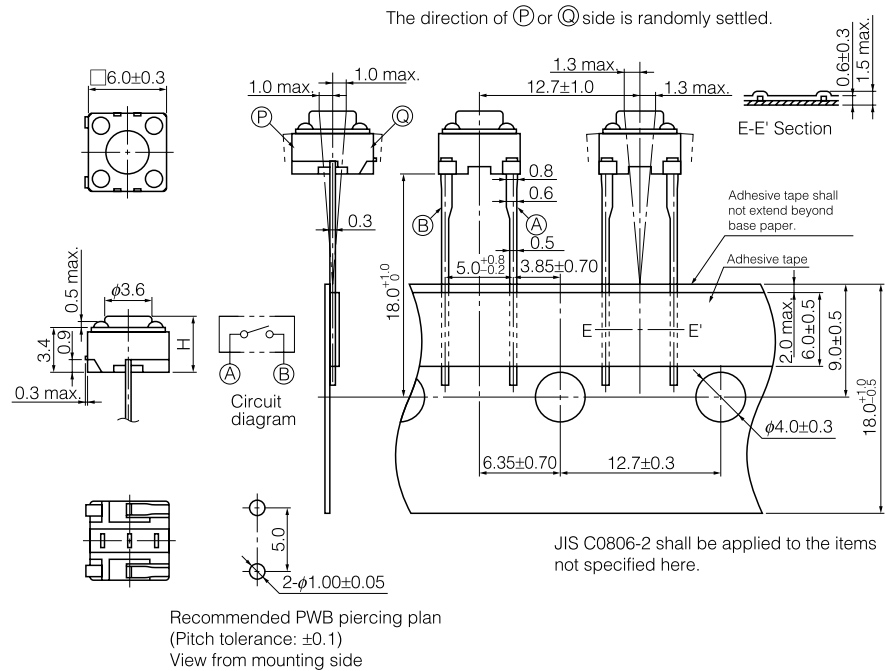
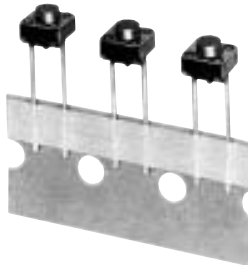
Japan
Malaysia
China

EVQ2

(Radial Taping)

Top-push
With ground terminal

2-terminal type
Without ground terminal



Part Numbers	Operating Force	H=Height	Push Plate Color	Operating Life
EVQ21304M	1.0 N	4.3 mm	White	100000 cycles
EVQ21305R	1.0 N	5.0 mm	Red	100000 cycles
EVQ21307K	1.0 N	7.0 mm	Black	100000 cycles
EVQ21309K	1.0 N	9.5 mm	Black	100000 cycles
EVQ21404M	1.3 N	4.3 mm	White	100000 cycles
EVQ21405R	1.3 N	5.0 mm	Red	100000 cycles
EVQ21407K	1.3 N	7.0 mm	Black	100000 cycles
EVQ21409K	1.3 N	9.5 mm	Black	100000 cycles
EVQ21504M	1.6 N	4.3 mm	White	100000 cycles
EVQ21505R	1.6 N	5.0 mm	Red	100000 cycles
EVQ21507K	1.6 N	7.0 mm	Black	100000 cycles
EVQ21509K	1.6 N	9.5 mm	Black	100000 cycles
EVQ22704M	2.6 N	4.3 mm	White	50000 cycles
EVQ22705R	2.6 N	5.0 mm	Red	50000 cycles
EVQ22707K	2.6 N	7.0 mm	Black	50000 cycles
EVQ22709K	2.6 N	9.5 mm	Black	50000 cycles

■ Dimensions in mm (not to scale)

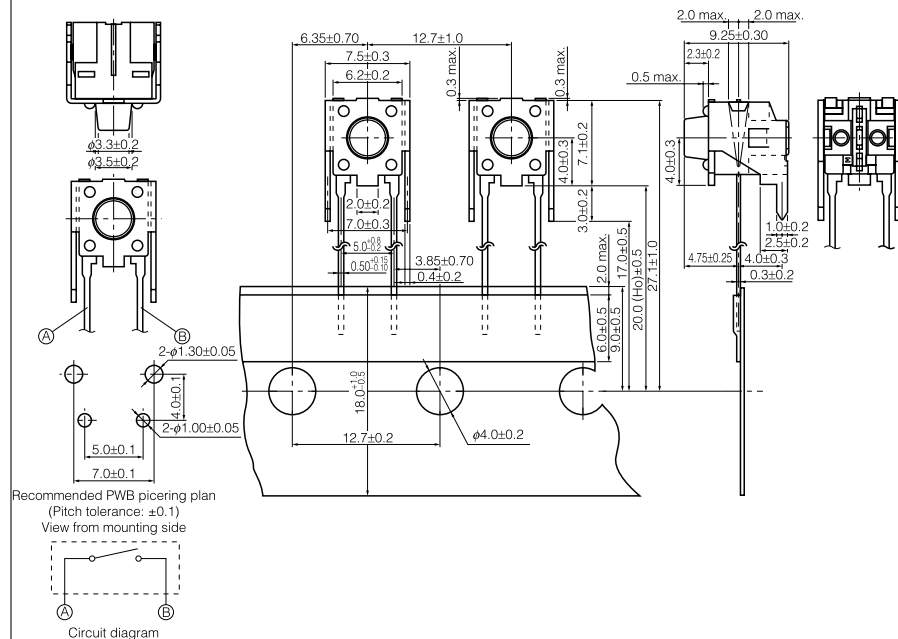
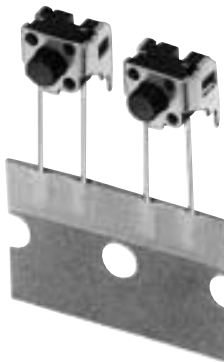
No. 2

Japan
China

EVQPC
EVQ3P

(Radial Taping)

Side-push
Without ground terminal



Part Numbers	Operating Force	Push Plate Place	Push Plate Color	Operating Life	Insert Machine	H ₀ Dimension
EVQPCF05K	1.0 N	4.75 mm	Black	100000 cycles	Panasert	20 mm
EVQPCG05K	1.3 N	4.75 mm	Black	100000 cycles	Panasert	20 mm
EVQPCH05K	1.6 N	4.75 mm	Black	100000 cycles	Panasert	20 mm
EVQPCJ05K	2.6 N	4.75 mm	Black	50000 cycles	Panasert	20 mm
EVQPCD05K	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
EVQ3PC05K	2.6 N	4.75 mm	Black	50000 cycles	Avisert	21 mm

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.