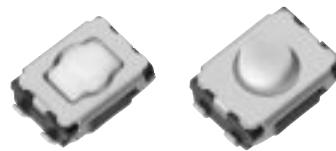


## 4.7 mm×3.5 mm Square Light Touch Switches

Japan

Type: **EVQP2**

An extra-small-sized switch for creating medium and short push travel and meeting the needs for a high-operating force and long operation life



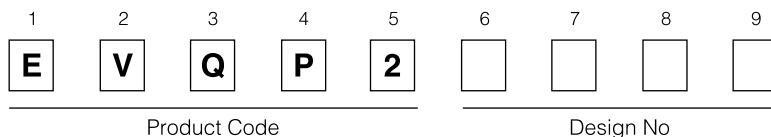
## ■ Features

- Creating middle and short push travel
- Meeting the need for a high operating force and long operation life
- High mountability by J-bent(4 terminals)

## ■ Recommended Applications

- Keyless Entry Systems (Automotive)
- Car Audio Equipment

## ■ Explanation of Part Numbers

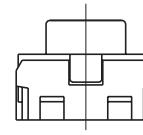
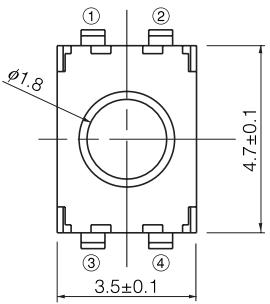
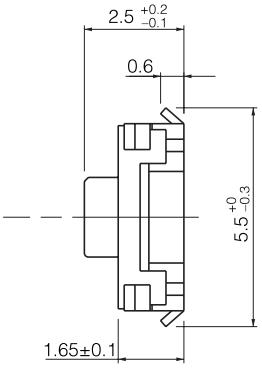
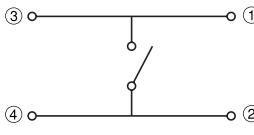
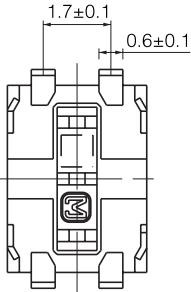
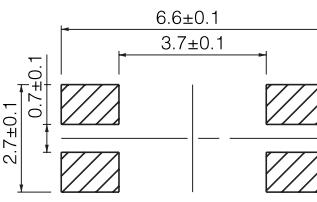


## ■ Major Specifications

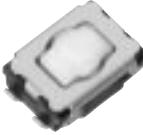
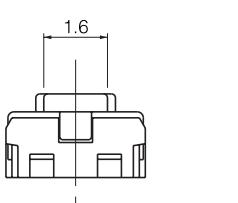
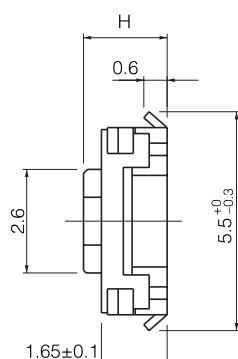
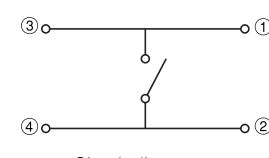
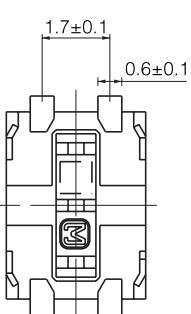
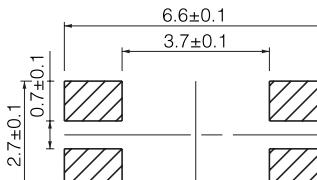
Travel Type		Middle Push Travel	Short Push Travel
Type		Snap action / Push-on type SPST	
Electrical	Rating	20 mA 15 V dc max.	
	Contact Resistance	100 mΩ max.	
	Insulation Resistance	100 MΩ min.	
	Dielectric Withstanding Voltage	250 V ac (1 minute)	
	Bouncing	10 ms max.	
Mechanical	Operating Force	2.5 N, 3.5 N, 5.0 N	1.0 N, 1.6 N, 2.4 N, 3.5 N
	Travel	0.70 mm±0.15 mm	0.25 mm <sup>+0.05 mm</sup> <sub>-0.15 mm</sub>
	Push Strength	50 N (1 minute)	
Endurance	Operating Life	2.5 N: 1000000 cycles min.	1.0 N, 1.6 N: 1000000 cycles min.
		3.5 N: 500000 cycles min.	2.4 N: 500000 cycles min.
		5.0 N: 200000 cycles min.	3.5 N: 200000 cycles min.
	Operating Temperature	-40 °C to +85 °C	
Storage Temperature		-40 °C to +85 °C (Taping -20 °C to +60 °C)	
Minimum Quantity/Packing Unit		4000 pcs. (Reel Pack)	
Quantity/Carton		20000 pcs.	

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	 <p>EVQP2 Middle push travel With J-bent terminals (With Ground terminal)</p>     <p>Circuit diagram</p>   <p>Recommended land pattern</p>					
Part Numbers	Ground Terminal	Operating Force	Height	Push Plate Color	Operating Life	
EVQP2B02B	With	2.5 N	2.5 mm	Blue	1000000 cycles	
EVQP2D02Q	With	3.5 N	2.5 mm	Grey	500000 cycles	
EVQP2F02K	With	5.0 N	2.5 mm	Black	200000 cycles	
EVQP2H02B	Without	2.5 N	2.5 mm	Blue	1000000 cycles	
EVQP2K02Q	Without	3.5 N	2.5 mm	Grey	500000 cycles	
EVQ3P202K	Without	5.0 N	2.5 mm	Black	200000 cycles	

### ■ Dimensions in mm (not to scale)

No. 2	EVQP2	Short push travel With J-bent terminals (With Ground terminal)						
Part Numbers	Ground Terminal	Operating Force	H=Height	Push Plate Color	Operating Life			
EVQP2P02M	With	1.0 N	2.1 mm	Natural	1000000 cycles			
EVQP2P02W	With	1.0 N	2.5 mm	Natural	1000000 cycles			
EVQP2R02M	With	1.6 N	2.1 mm	Natural	1000000 cycles			
EVQP2R02W	With	1.6 N	2.5 mm	Natural	1000000 cycles			
EVQP2T02M	With	2.4 N	2.1 mm	Natural	500000 cycles			
EVQP2T02W	With	2.4 N	2.5 mm	Natural	500000 cycles			
EVQP2V02M	With	3.5 N	2.1 mm	Natural	200000 cycles			
EVQP2V02W	With	3.5 N	2.5 mm	Natural	200000 cycles			
EVQP2002M	Without	1.0 N	2.1 mm	Natural	1000000 cycles			
EVQP2002W	Without	1.0 N	2.5 mm	Natural	1000000 cycles			
EVQP2202M	Without	1.6 N	2.1 mm	Natural	1000000 cycles			
EVQP2202W	Without	1.6 N	2.5 mm	Natural	1000000 cycles			
EVQP2402M	Without	2.4 N	2.1 mm	Natural	500000 cycles			
EVQP2402W	Without	2.4 N	2.5 mm	Natural	500000 cycles			
EVQP2602M	Without	3.5 N	2.1 mm	Natural	200000 cycles			
EVQP2602W	Without	3.5 N	2.5 mm	Natural	200000 cycles			