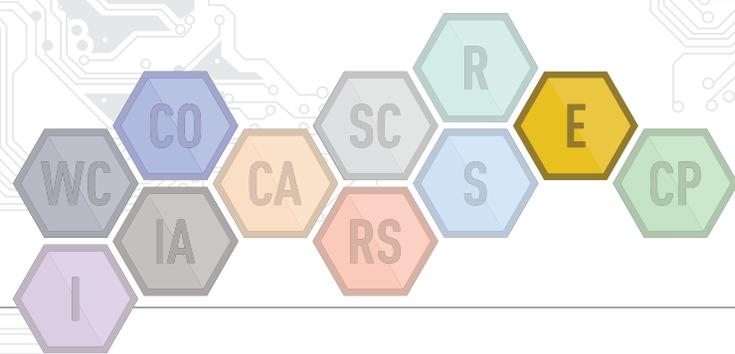


Panasonic Light Touch Switches



Panasonic's Light Touch Switches

Versatile and High Quality

Panasonic's Light Touch Switches are high quality tactile switches that are versatile and can be used in almost any user interface application. Designed in various shapes, sizes, terminals and push forces; Panasonic's Light Touch Switches offer customers the opportunity to select the perfect switch for their application needs. Each switch is engineered for low contact resistance, small bounce noise, high contact reliability and a sharp tactile feel.

Features	Benefits
Small size	Suitable for small applications and saves PCB
Sharp tactile feel	Improves the market perception of the set device
ESD protected	Ground terminals are available in certain series
IP67 rated with patented laser welding process to seal switch with thin nylon film over the actuator	Improves life of the switch under dust and water conditions
High contact reliability	When switch is actuated, the end user will have high confidence the switch will perform as intended
High peel off strength	Switch solder strength can endure typical consumer dropping of set device. Panasonic switches have the highest peel off strength in the market.

Target Market Segments

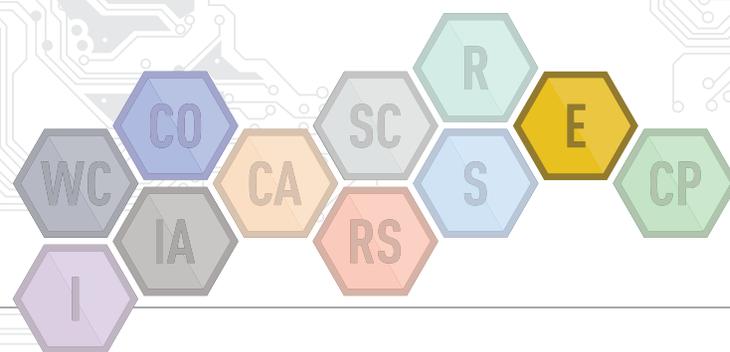
- Automotive Equipment
- Industrial Test & Measurement
- Home Appliances
- Medical
- Mobile Devices

Applications

- Automotive & Industrial Control Panels
- Blood Glucose Meters/Blood Infusion
- Pumps
- Menu/Reset/Navigation Buttons on Portable Devices
- Home Control Devices
- Wearable Devices



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Portable Electronics/Wearable Devices/ Medical/Industrial/Consumer Electronics

In addition to the crisp click feel of a short travel type, Panasonic switches are a leader in switch peel off strength. These switches can withstand the various drop tests certain customers may have with a very small form factor, saving the customer's PCB space.

*IP67 rated

Series	Image	External Dimensions (L x W x H) (mm)	Travel (mm)	Operating Force (N)	Short Travel Type Top Push	Short Travel Side Push
EVP-BB*		2.6 x 1.6 x 0.53	0.11	1.6	Short travel type top push	—
EVP-AW*		3.0 x 2.0 x 0.6	0.13, 0.15	1.6, 2.4, 3.3	Short travel type top push	—
EVP-AF		3.0 x 2.6 x 0.65	0.15	1.6	Short travel type top push	—
EVP-AY*		3.4 x 2.9 x 1.7	0.15	1.6	Short travel type top push	—
EVQ-P7		3.5 x 2.9 x 1.35	0.2	1.6, 2.2	—	Short travel side push
EVQ-PU		4.7 x 3.5 x 1.65	0.3	1.6, 2.2	—	Short travel side push
EVP-AV		2.8 x 2.3 x 1.95	0.13	1.6	—	Short travel side push
EVP-AK*		3.9 x 1.9 x 1.6	0.12	1.6	—	Short travel side push

Automotive/Industrial Applications

Panasonic is a leader in the automotive field. Panasonic switches have proven high quality through experience. Their long travel type switches prevent accidental actuation when vehicle is moving. For industrial applications, these switches can prevent unwanted activation when a person brushes up lightly against the button.

Series	Image	External Dimensions (L x W x H) (mm)	Travel (mm)	Operating Force (N)	Operating Life (cycles)	Rating
EVQ-PI		6.0 x 6.1 x 5.0	1.0, 1.3	1.6, 2.0, 2.2, 2.5, 3.0, 3.5	100000, 30000	50mA 12V dc
EVP-AS		6.0 x 6.1 x 5.0	1.0, 1.3	1.6, 2.0, 2.2, 2.5, 3.0, 3.5	100000, 30000	50mA 12V dc
EVQ-Q1		8.5 x 8.5 x 6.5	1	4.0, 5.0	100000	50mA 12V dc
EVP-AD		9.8 x 9.8 x 4.6	1	4	100000	50mA 12V dc

Lighting Controls/Home Appliances/ Thermostats/Healthcare/Handheld

These switches have long life spans. They are medium travel and due to popularity and time proven success, Panasonic continues to manufacture these much sought after switches.

Series	Image	External Dimensions (L x W x H) (mm)	Travel (mm)	Operating Force (N)	Operating Life (cycles)	Rating
EVQ-Q2		6.5 x 6.0 x 2.0, 6.5 x 6.0 x 2.5, 6.5 x 6.0 x 3.1	0.25, 0.30	0.5, 0.6, 1.0, 1.3, 1.6, 2.6, 3.5	2000000, 1000000, 200000, 100000	20mA 15V dc
EVP-AA		3.5 x 2.9 x 1.7	0.15	1.0, 1.6, 2.4, 3.5, 5.0	1000000, 200000	20mA 15V dc
EVQ-P6		4.1 x 4.1 x 0.35, 4.1 x 4.1 x 0.43, 4.1 x 4.1 x 0.58	0.25	1.0, 1.6, 2.4	1000000, 500000, 200000	20mA 15V dc
EVQ-SP, EVQ-PEI EVQ-PN		6.0 x 3.5 x 4.3, 6.0 x 3.5 x 5.0	0.25	1.0, 1.6, 2.4	50000, 30000	50mA 12V dc

