

K6 Key Switches



- K6 is available in 4 versions:
K6B without LED
K6BL with LED
K6F low profile without LED
K6FL low profile with LED
- These new K6 key switches follow the trend toward miniaturization.
- Their size is very compact for a 1.5 mm (0.0591) travel switch. They need a PCB space of 10.9 × 7.4 mm (0.429 × 0.291) and a housing height for the K6B type of only 8.4 mm (0.331) and for the K6F type only 8.0 mm (0.315).
- SMT versions: consult factory.
- Versions without snap-point upon request (1.5N)

Main features of K6B and K6F

- Tactile feedback: distinctive tactile feel
- High switching reliability during the life of 2×10^5 operations, because contact and tactile point are separate
- Operating characteristic with tactile feel-point, free pre-travel of 0.5 mm (0.0197). The switches can be mounted with light pretravel (tolerance compensation).
- Custom designed button required
- Total travel 1.5 mm (0.059)
- Operating force 5N or 3N (500 grams or 300 grams)
- Additional operating characteristics upon request
- Snap-in insertion on PC board and reflow-soldering
- SMT version available on request

K12 Key Switches



The K12 key switch has been successful in measurement and control equipment, in industrial electronics, as well as in automotive applications. The contact system is distinguished by its high switching reliability during the life of one million operations, because making contact and tactile feel point are separate. This key switch, with gold contacts, has become a family with a broad range of versions.

K12 versions:

K12P: flat-sided, snap-in housing, integrated button, mountable in rows with 11 mm (0.433) spacing between button centers, also available with 2.0 mm (0.078) total travel

K12A: integrated button, mountable in rows with 11mm (0.433) spacing between centers, flat-sided without snap-in housing. Also available with 2.0 mm (0.078) total travel.

Same as K12A, but:

K12AL: with 1 central LED, mounted; LED color: RD (red), GN (green) or YE (yellow)

K12C: round housing, IP 67 acc. to DIN/IEC 529 (dust tight, protected against the effects of immersion in water), with rubber cap, mountable in rows with 13.0 mm (0.512) spacing between button centers

Same as K12P, but:

K12D: flat-sided, snap-in housing, integrated button, mountable in rows with 11.0 mm (0.433) spacing between button centers, external attachment to housing for a second LED (not mounted, must be ordered separately with indication of color: RD (red), GN (green) or YE (yellow): e.g. LED RD = red LED

Same as K12D, but:

K12DL: with 1 central LED, mounted; LED color: RD (red), GN (green) or YE (yellow)

K12G: 2 make contacts (2 × SPST), with 2 separate contact systems, which switch one after the other, operating force: 3.5N and 7N (350 grams and 700 grams) or 6N and 12N (600 grams and 1200 grams) the first contact can also be a break

D6 Key Switches



contact (upon request), integrated button, mountable in rows with spacing between button centers 11.0 mm (0.433), snap-in housing with external attachment for LED (not mounted, LED must be ordered separately with color indication: RD = red, GN = green or YE = yellow: e.g. LED RD = red LED)

Same as K12G, but:

K12GL: with 1 central LED, mounted; LED color: RD (red), GN (green) or YE (yellow)

Applications for K12G and K12GL: switching circuits e.g. slow – fast, left – right or up – down

New: K12P, K12PL, K12PM and K12PN

D6 Key Switches

The D6 is a single-pole, momentary action, normally open keyswitch specially designed for digital electronic controls. Its small size enables keyboard design with minimum center spacing of 12.7 mm (0.500).

The commoned terminals offer the possibility of X, Y coding on just a single sided printed circuit board.

A total travel of 0.8 mm (0.0315) combined with a snap effect provides the user with a smooth, gentle, yet positive tactile feedback.

Built-in buttons (square or round) are available in several colors and have been designed to fit directly on front panels.

The D6 version with plunger 3.3 × 3.3 mm (0.130 × 0.130) can accept any standard or customer-designed button.

Flat D6 can be actuated with customer designed buttons or behind a membrane.

A version exists for high temperature, resisting wave soldering in severe conditions. This type is offered only in black.

Applications

- Video, TV sets, remote control, video and disc recorder
- Audio, car radio, portable radio
- Test and measuring equipment
- Automobiles
- Electronic games
- Domestic appliances
- Telephones and intercoms