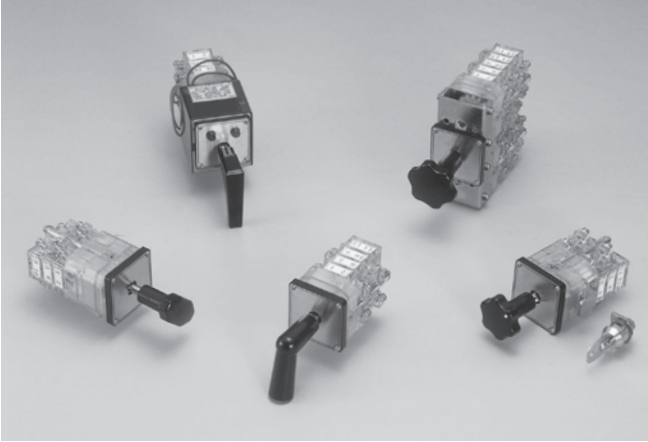




CAM-OPERATED SWITCH

B TYPE, BH TYPE



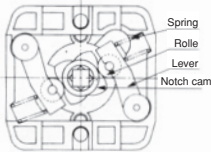
INDEX FOR B / BH TYPE CAM-OPERATED SWITCH

| Item | Page | Item | Page | Item | Page |
|------------------------------------|---------|-----------------------------|-----------|--|-----------|
| Features | A1 | Handle code | A6 | Voltmeter / Ammeter Switches | A29 to 32 |
| Specifications / Breaking Capacity | A2 | Standard Specifications | A7 to 11 | Contact Arrangement of Standard Switches | A33 to 50 |
| How to Order | A3 | Special Specifications | A12 to 24 | Accessories | A51 to 52 |
| Notch code | A4 to 5 | Mounting Hole Dimensions | A25 | Nameplates | A53 to 56 |
| Contact code | A5 | Contact Arrangement Diagram | A26 to 28 | Technical Information | A57 to 58 |

FEATURES

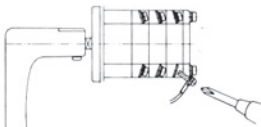
■ Heavy-duty mechanical durability against high-frequent switching

Since the optimal layout of components and by using materials with high wear resistance for the mechanical section, it can be provides accurate operation feeling and durability against high-frequent switching up to 5 million times.



■ The terminal arrangement greatly improves wiring efficiency

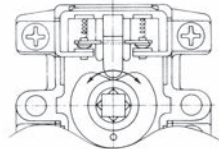
No up-screw terminal is adopted. It can be quickly wired from the back for the alternate terminal arrangement.



■ Capability both compact body and high breaking capacity and yet greatly improved breaking capacity

Larger breaking capacity of the switches generally requires that the main body enlargement. However, Fuji's control switches has achieved downsizing while increasing the breaking capacity. This breakthrough has been made possible by optimally designing the cam shapes and the angle of the movable contact parts for obtaining max. switching speed mechanically.

This allows you to determine the setting values (voltage and current) with allowance.

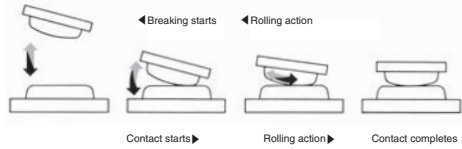


■ High-performance engineering plastics ensure high quality and high reliability

For the body, polycarbonate resin is used, which has a high level of performance among engineering plastics. The material greatly improves strength and resistance against environment (temperature, humidity, vibrations, etc.), which are particularly important for the applications related to heavy electric machineries. The contacts and mechanical parts are transparent to facilitate checking the contacting part.

Rolling action of contact mechanism improves contact stability

In the contact mechanism, the movable contact makes contact with the stationary contact at one point and then gradually increases the contact area while rolling on it. This rolling action minimizes the part exposed to the arc that is generated at the first contact or breaking, thereby maintaining much higher contact stability than the former product.



SPECIFICATIONS (RATINGS, PERFORMANCE)

| Specification | Type | B TYPE | BH TYPE |
|---------------------------------------|------|--|---------|
| Rated insulation voltage (UI) | | 600V (250V for rear terminal type and Lamp circuits of indicator lamp type) | |
| Rated current-carrying capacity (Ith) | | 20A | |
| Max. wire size | | 5.5mm ² | |
| Screw size | | M4×9 | |
| Withstand voltage | | 2,500V AC / 1 min. | |
| Lightning impulse | | Between the charging department lume vs ground ±7kV (1.2 / 50µs), Between the charging department mutuality ±4.5kV | |
| Contact resistance | | 50mΩ or less | |
| Mechanical life | | 5,000,000 operations or more, Class 1 (100,000 for pull and push contact) | |
| Electrical life | | 500,000 operations or more, Class 1 (50,000 for pull and push contact) | |
| Shock resistance | | 500m/s ² or more (6 directions) | |
| Vibration resistance | | Range of vibration : 10 to 150Hz, Acceleration : 20m/s ² , Time : 1 hour (3 directions) | |
| Min. power requirements | | 5V AC 100mA, 5V DC 100mA (operating environment must be good) | |
| Operating temperature | | -20 to 60°C (Do not freeze) | |
| Storing temperature | | -40 to 70°C (Do not freeze) | |
| Altitude | | 2,000 m or less | |

Breaking capacity [electrical life of 500,000 operations (class 1)]

| AC | | | DC | | | | |
|-------------------|---|--|-------------------|---|--|--|---|
| Rated voltage (V) | Rated operating current (resistance load) (A) | Rated operating current (inductive load) (A) | Rated voltage (V) | Rated operating current (resistance load) (A) | Rated operating current (inductive load) (A) | 2 contacts used in series Rated operating current (resistance load) (A) | 2 contacts used in series Rated operating current (inductive load) (A) |
| 110 | 20 | 15 | 24 | 15 | 10 | 20 | 20 |
| 220 | 15 | 10 | 48 | 10 | 6 | 18 | 15 |
| 440 | 4 | 3 | 110 | 3 | 1.5 | 4.5 | 4 |
| — | — | — | 220 | 1.2 | 0.8 | 2 | 1.5 |

* Inductive load: For AC: Power factor 0.6 to 0.7 (Class: AC11)
For DC: Time constant 40±6 ms (Class: DC12)



CAM-OPERATED SWITCH

B TYPE, BH TYPE

HOW TO ORDER

① Type (There's contact arrangement at diagram)

BH-T2002-LD-B-□54-000

① ② ⑦ ⑧ ⑨ ⑩

② Type (There's no contact arrangement at diagram)

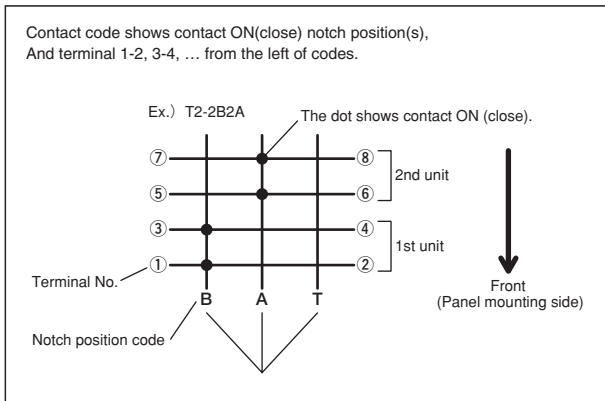
BH-T2-2B2A-LD-B-□54-000

① ③ ④ ⑤ ⑥ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

| No. | Item | Code | Detail | Note | | |
|-----|-----------------------------------|--|-----------------------------------|--|---|----------------------------|
| ① | Basic type | B | Screw side is up / down | BH type has some individual codes for the following specifications. Automatic return type by pulling. Automatic return type by pulling and pushing. Manual / Automatic axial return type. Handle removable type. | | |
| | | BH | Screw side is right / left | | | |
| ② | Contact arrangement | Please see page A33 for contact arrangement diagram. | | — | | |
| ③ | Notch code | Please see page A4 to 5 for mechanical operation method. | | — | | |
| ④ | No. of units | 1 ~ | No. of units | Max. unit No. varies from notch and type of switches. | | |
| ⑤ | No. of contacts | 1 ~ | No. of contacts | 1 unit has 2 contacts. (There is only 1 contact in 1 unit in some cases.) | | |
| ⑥ | Contact code | Please see page A5 for Contact code. | | About representation of contact code, please refer to the following picture. | | |
| ⑦ | Handle code | Please see page A6 for Handle code. | | — | | |
| ⑧ | Color of handle / flange | No code | Munsell color code | | — | |
| | | | Handle | | | Flange |
| | | | B | | | N1.5 |
| | | | BG | | | 7.5BG3/3.5 7.5BG4/1.5 |
| ⑨ | Quick nameplate attachment flange | No code | No attachment | Black (N1.5) only | | |
| | | J | Quick nameplate attachment flange | Please see page A52 quick nameplate attachment flange. | | |
| ⑩ | Nameplate | 54- | Standard (for screw fastening) | Please see page A53 to 56 for Nameplate. Please select a nameplate No., when the nameplate No. is not specified, plain nameplate is attached. | | |
| | | 58- | For quick attachment flange | | | |

* For the type that corresponding to the all kinds of standard, please contact us separately.

About No. of contacts / Contact code



B type ... Screw side is up / down



BH type ... Screw side is right / left

