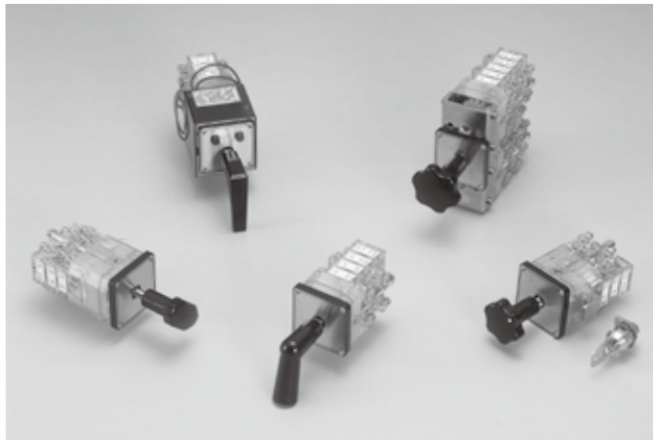




B TYPE, BH TYPE



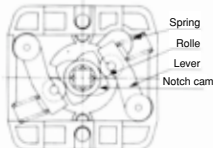
INDEX FOR B / BH TYPE CAM-OPERATED SWITCH

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FEATURES

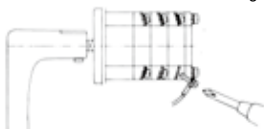
■Heavy-duty mechanical durability against high-frequent switching

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.

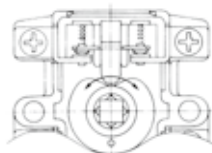


■Campability both compact body and high breaking capacity and yet greatly improved breaking capacity

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.

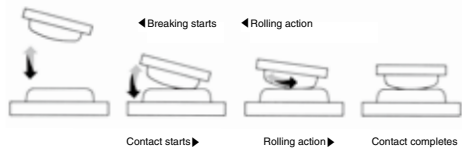


■High-performance engineering plastics ensure high quality and high reliability

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	
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		±7kV (1.2 / 50μs)	
Contact resistance		50mΩ or less	
Mechanical life		5,000,000 operations or more, Class 1	
Electrical life		500,000 operations or more, Class 1	
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 500mA, 5V DC 100mA (operating environment must be good)	
Operating temperature		-20 to 60°C	
Storing temperature		-40 to 70°C	
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)



B TYPE, BH TYPE

HOW TO ORDER

①Type (There's contact arrangement at diagram)

BH-T2002-LD-B54-000

①

②

⑦

⑧

⑨

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

BH-T2-2B2A-LD-B54-000

①

③

④

⑤

⑥

⑥

⑦

⑧

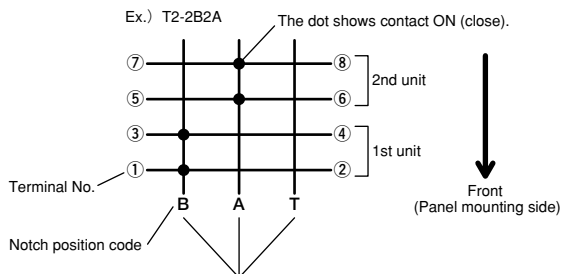
⑨

No.	Item	Code	Detail	Note
①	Basic type	B	Screw side is up / down	There are exceptions.
		BH	Screw side is right / left	
②	Contact arrangement	Please see page A31 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		Munsell color code	—
			Handle Flange	
		B	N1.5 N1.5	
		BG	7.5BG3/3.5 7.5BG4/1.5	
⑨	Nameplate	Please see page A51 to 54 for Nameplate.		Please select a nameplate No., when the nameplate No. is not specified, plain nameplate is attached.

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

About No. of contacts / Contact code

Contact code shows contact ON(close) notch position(s).
And terminal 1-2, 3-4, ... from the left of codes.



B type ... Screw side is up / down



BH type ... Screw side is right / left

