

SPECIAL SPECIFICATION SWITCH CODING FOR ORDERING

1

Key handle type

A key is used as the handle.

- Available notch : S, H, T, F, E
- Max. unit No. is 4.
- C-88 and C-110 that made by Takigen is used. No. K6510 of C-88 is a standard key.
- Please see page A14 for information of key system.

1) C-88 key (Not available for master key system)

B-KMC-H2-2B2A-B NUKI B C-88 K6510

Code		Notch code		No. of units		Color of handle / flange		Key lock position		Key No.	
B-KMC	B type									K6510 - K6520	Standard
BHO	BH type									*	Specified No.

2) C-110 key (Available for master key system)

B-KMC-H2-2B2A-B NUKI B C-110 (AAA11) FUJI13

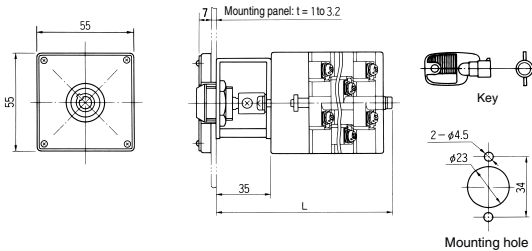
Code		Notch code		No. of units		Color of handle / flange		lock position		*Master key No.		Key No. (change key)	
B-KMC	B type									*	Specified No.	*	Specified No.
BHO	BH type												

Max. number of character	Master key No.	Within 6 (7 for number only)
Available character	Key No.	Within 7
	Number (0 - 9), Alphabet (A - Z)	
	=Blank is not available.	

OUTLINES

B-KMC

(B type) * The screw side is on the right/left in this type. In case of B type, it's generally on the up/down.



Key lock position

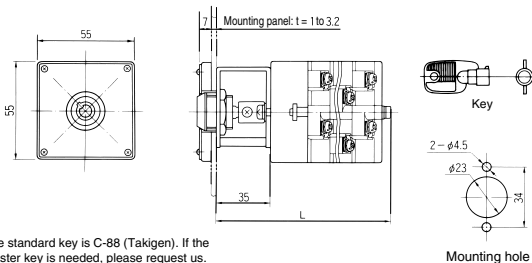
S	H	T	F	E
NUKI C	NUKI A	NUKI B	NUKI A	NUKI A
NUKI B	NUKI B	NUKI T	NUKI F	NUKI F

The key is used to directly operate the switch. For the key, please see the specifications of the key. If the another key lock position is needed, please contact us.

* 'NUKI' means key lock position.

BHO

(BH type) * The mounting hole is on the vertical in this type. In case of BH type, it's generally on the horizontal.



The standard key is C-88 (Takigen). If the master key is needed, please request us. C-110 (Takigen) key is provided as a master key.

No. of units	1	2	3	4
L (mm)	78	91	104	117



B TYPE, BH TYPE

SPECIAL SPECIFICATION SWITCH CODING FOR ORDERING

2

Cylinder key type

Locked with an insert key. To open / close the switch, unlock the key and then operate the handle.

1) C-88 key (Not available for master key system)

B-KM-H2-2B2A-LD-B NUKI B C-88 K6510

Notch code			No. of units		Handle code		Key lock position		Key No.	
Code			Contact code		Key type		Key No.		Standard	
B-KM	B type	Right	No. of contacts		C-88		K6510 - K6520		Specified No.	
BHC	BH type	Bottom	Color of handle / flange		Not available for master key system		*		Specified No.	

- Available notch : S, H, T, F, E, K, W, and SB.
- Max. unit No. is 10.
- C-88 and C-110 that made by Takigen is used. No. K6510 of C-88 is a standard key.
- Please see page A14 for information of key system.

2) C-110 key (Not available for master key system)

B-KM-H2-2B2A-LD-B NUKI B C-110 (AAA111) FUJI13

Notch code			No. of units		Handle code		Key lock position		=Master key No.		Key No. (change key)	
Code			Contact code		Key type		Key No.		* Specified No.		* Specified No.	
B-KM	B type	Right	No. of contacts		C-110		Not available for master key system		*		Specified No.	
BHC	BH type	Bottom	Color of handle / flange		Not available for master key system		*		Specified No.		Specified No.	

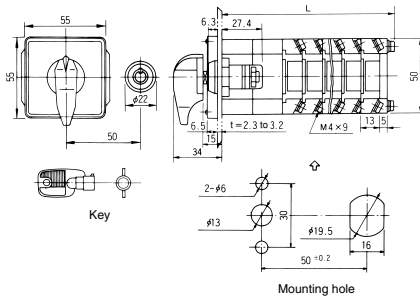
*Available character for master key No. / key No. (change key)

Max. number of character	Master key No.	Within 6 (7 for number only)
Available character	Key No.	Within 7
	Number (0 - 7), Alphabet (A - Z)	
	=Blank is not available.	

OUTLINES

B-KM

(B type)

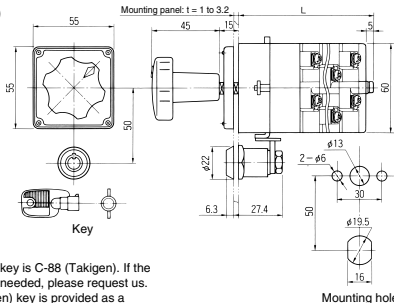


Key lock position

S/SB	H	T	F	E	K
NUKI C	NUKI BA	NUKI BA NUKI BT NUKI AT NUKI BT	NUKI BATFF	NUKI BATFE	NUKI DPK
NUKI B	NUKI A	NUKI B NUKI A NUKI T			

BHC

(BH type)



Key lock position



Normally, the key removal position is upside.

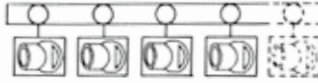
No. of units	1	2	3	4	5	6	7	8
L (mm)	64	77	90	103	116	129	142	155

The standard key is C-88 (Takigen). If the master key is needed, please request us. C-110 (Takigen) key is provided as a master key.

KEY SYSTEM

■ C-88 type

[Master key is disused]

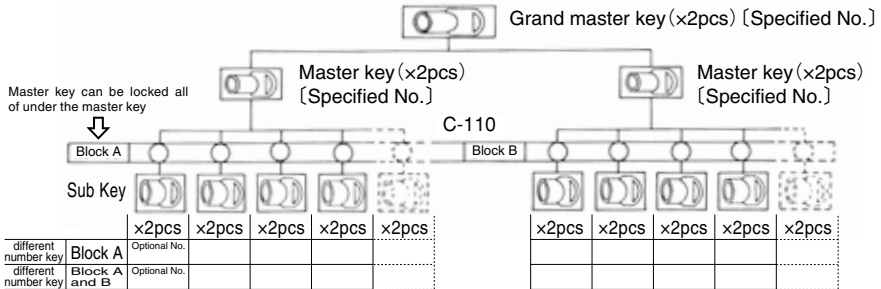


			x2pcs	x2pcs	x2pcs	x2pcs	x2pcs	
same number key	K6510 only	Type	K6510	K6510	K6510	K6510	
different number key	K6511 to K6520	Type	K6511	K6512	K6513	K6514	

●Special character keys also available. Please see "Available character for key No."

■ C-110 type

[Master key is needed]



- Key will be decided depends on a decision that a common use with door lock or the master key is needed or not.
- In the case of C-110, if the master key specified No. and sub key specified No. are selected, the master key can be possible to lock the sub key.
- It's not available to make an additional subkey, because of the relationship between masterkey and subkey are already decided at the stage at manufacture.
- Life time of the key is 10,000 times. (Insertion - Extraction)

■ Available character for master key No. / key No. (change key)

Max. number of character	Master key No.	6 (7 for number only)
	Key No.	7
Available character	Number (0 - 9), Alphabet (A - Z) *Blank is not available.	



B TYPE, BH TYPE

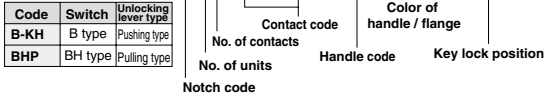
SPECIAL SPECIFICATION SWITCH CODING FOR ORDERING

3

Switch with padlock mechanism

Locked with a padlock. To open / close the switch, unlock the padlock and then open / close the key while pushing or pulling the unlocking lever.

B-KH-H2-2B2A-LD-B NUKI B

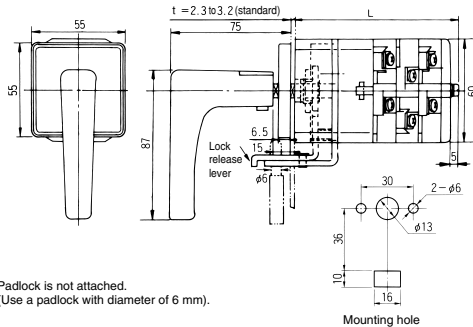


- Available notch : S, H, T, F, and SB.
- Max. unit No. is 10.
- Normally a padlock is attached to the down side of the switch.
- Padlock is not attached.
- Please use a padlock with diameter of 6 mm.

OUTLINES

B-KH

(B type) * The screw side is on the right/left, and the mounting hole is on the horizontal in this type.
In case of B type, generally the screw side is on the up/down, and the mounting hole is on the vertical.



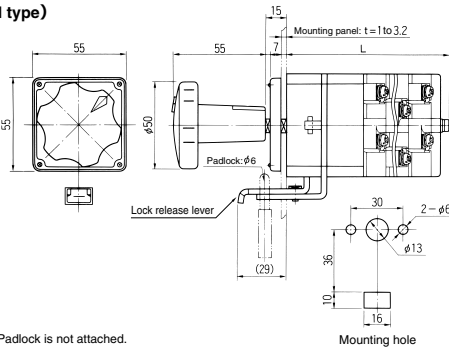
* Padlock is not attached.
(Use a padlock with diameter of 6 mm).

Key lock position

S	H	T	F	E	K
NUKI C	NUKI BA NUKI B NUKI A	NUKI BA NUKI BT NUKI AT NUKI BAT NUKI B NUKI A NUKI T	NUKI BATF	NUKI BATFE	NUKI DPK

BHP

(BH type)



* Padlock is not attached.
(Use a padlock with diameter of 6 mm).

○ Remove the padlock and push the lock release lever for handle operation. The switch will be locked automatically after releasing your hand, then please lock with a padlock.

No. of units	1	2	3	4	5	6	7	8
L (mm)	67	80	93	106	119	132	145	158

4

High-frequent type switch

This cam switch is designed for high-frequent heavy-duty uses, in iron manufacture and chemical plants, etc.

BM-H2-2B2A-LD-B

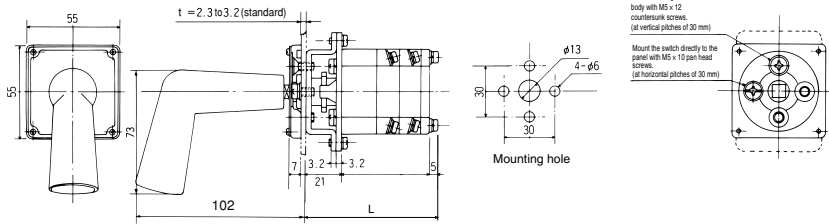
Notch code		No. of contacts	Handle	Color of handle / flange
Code	Switch			
BM	B type	Contact code	No. of units	
BHM	BH type			

- Available notch : S, H, T, F, and SB. The 30° version is also available.
- High-frequent operation type.
- Please specify if you need the oil-proof type. In the case of oil-proof type, PBT resin is used for the case.

OUTLINES

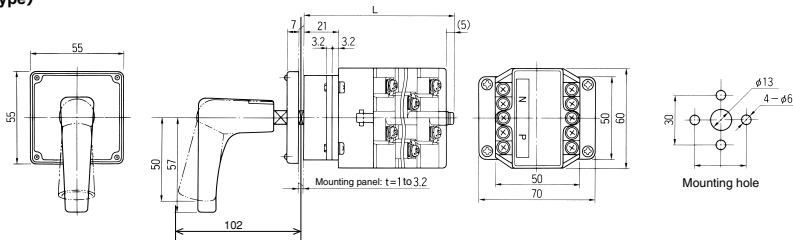
BM

(B type)



BHM

(BH type)



No. of units	1	2	3	4	5	6	7	8	9
L (mm)	65	78	91	104	117	130	143	156	167



B TYPE, BH TYPE

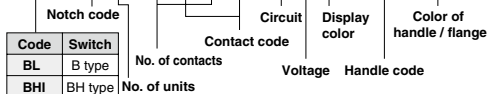
SPECIAL SPECIFICATION SWITCH CODING FOR ORDERING

5 Switch with indicator lamp (separate)

This is a switch that an indicator lamp is attached on top. An indicator mounting hole is additionally required.

Part of lamp display

BL-H2-2B2A-215-LD-B



●The notches and specification are the same as those of the standard switches.

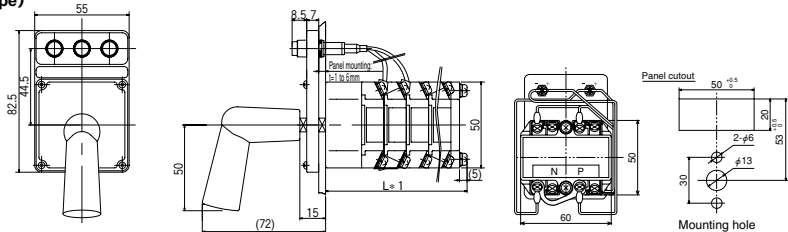
●For the circuit, voltage, and display color of the indicator, please see the following table and specify the corresponding numbers.

Circuit	Voltage	Display color
1 ; For 1 indicator lamp	1 ; 24V DC	1 ; W (Milky white)
2 ; For 2 indicator lamps	2 ; 48V DC	2 ; R (Red)
3 ; For 3 indicator lamps	3 ; 100 / 110V DC	3 ; G (Green)
	4 ; 125V DC	4 ; O (Orange)
	5 ; 100 / 110V AC	5 ; GR
	6 ; 200 / 220V AC	6 ; GWR
	7 ; 30V DC	7 ; GOR
9 ; Special	9 ; Special	9 ; Special

OUTLINES

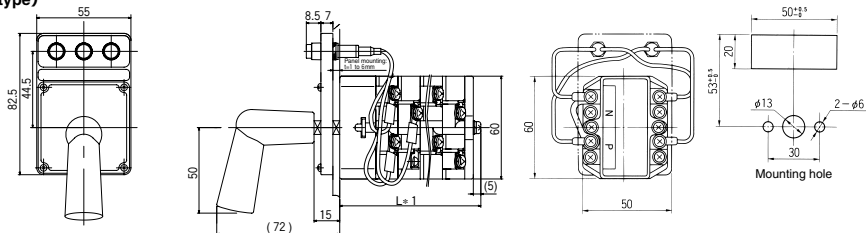
BL

(B type)



BH1

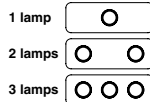
(BH type)



No. of units	1	2	3	4	5	6	7	8	9	10
L (mm) For 1 indicator	56	69	82	95	108	121	134	147	160	173
L (mm) For 2 indicators										
L (mm) For 3 indicators	69	82	95	108	121	134	147	160	173	186

* The lamp power supply unit is not included in the above number of units.

●Lamp position



6

Switch with indicator lamp (built-in)

This is a switch that a signal indicator is attached on top.

Part of lamp display
BHS-S2-2B2A-235-LP-B

Code	Switch	No. of units	Contact code	Circuit	Handle code	Display color	Color of handle / flange
BHS	BH type						
BHS-B	BH type (with rear terminal block)						

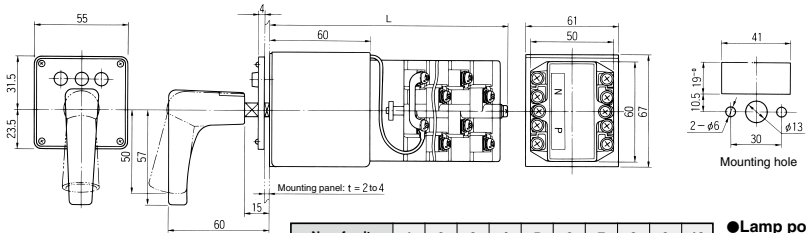
- Available notch: S, H, T, F and SB, SR, SY also available.
- For the circuit, voltage, and display color of the indicator lamp, please see the following table and specify the corresponding numbers.

Circuit	Voltage	Display color
1, For 1 indicator lamp	1, 24V DC	1, W (Milky white)
2, For 2 indicator lamps	2, 48V DC	2, R (Red)
3, For 3 indicator lamps	3, 100 / 110V DC	3, G (Green)
	4, 125V DC	4, O (Orange)
	5, 100 / 110V AC	5, GR
	6, 200 / 220V AC	6, GWR
	7, 30V DC	7, GOR
9, Special	9, Special	9, Special

OUTLINES

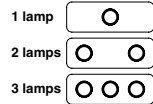
BHS

(BH type)



No. of units	1	2	3	4	5	6	7	8	9	10
L (mm) For 1 indicator	116	129	142	155	168	181	194	207	220	233
L (mm) For 2 indicators	129	142	155	168	181	194	207	220	233	246
L (mm) For 3 indicators	142	155	168	181	194	207	220	233	246	259

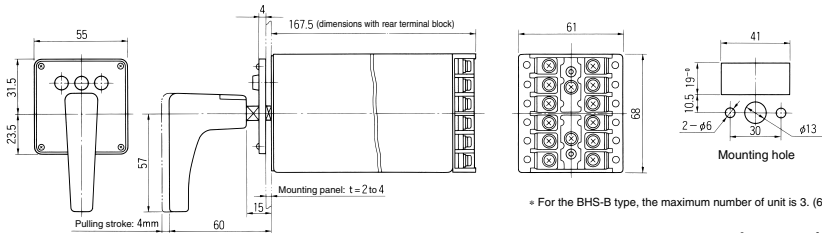
● Lamp position



With indicator lamp (built-in) and rear terminal block type

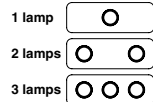
BHS-B

(BH type)



* For the BHS-B type, the maximum number of unit is 3. (6 contacts)

● Lamp position





B TYPE, BH TYPE

SPECIAL SPECIFICATION SWITCH CODING FOR ORDERING

7

Lockout relay switch (Coil type)

This is an auxiliary relay used in a circuit breaker or the main part of adjustment.

- For the switching speed, please see technical data on A55.
- The notch is 2 stage.
- Max unit No. is 8.

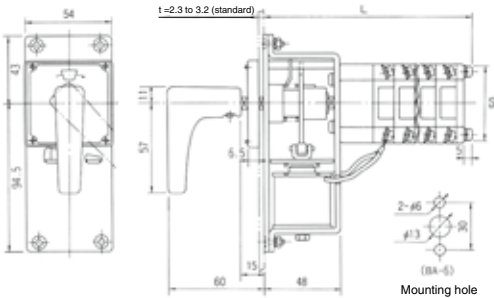
BA-6 2A2B-DC24V-LP-B

Code	Switch	Contact code	Circuit voltage	Handle code	Color of handle / flange	
BA-6	B type	No. of contacts	24V DC	24V DC	220V DC	200 / 220V DC
BHE	BH type		48V DC	48V DC	110V DC	100 / 110V AC
			110V DC	100 / 110V DC	220V AC	200 / 220V AC
			125V DC	125V DC		

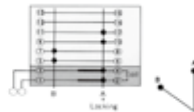
OUTLINES

BA-6

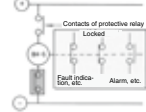
(B type)



Example of circuit



Example of usage



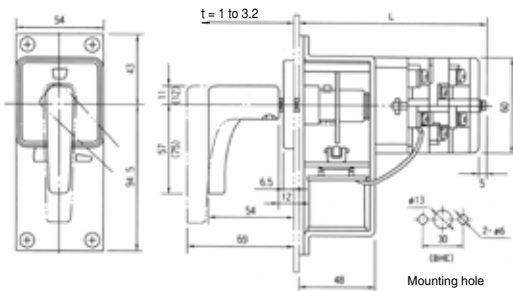
Features and application

The coil is of instantaneous rating specification, so requiring that the self-contact be connected in series to the coil as illustrated.

- Contacts specified by a user.
- The contacts for the provided coil is not included in the contacts ordered.

BHE

(BH type)



Coil specifications

Circuit voltage	24V DC	48V DC	100 / 110V DC	125V DC	200 / 220V DC
Coil resistance	5.3 Ω	25 Ω	55 Ω	80 Ω	350 Ω

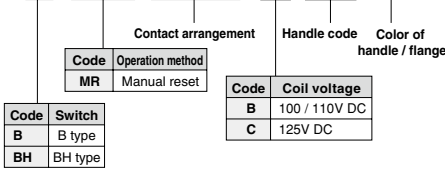
* P and N polarities for the coil terminals are free.

No. of units	1	2	3	4	5	6	7	8
L (mm)	104	117	130	143	156	169	182	195

8 Lockout relay switch (Solenoid type)

Auxiliary relays, which is more compact and increase speed of operating than previous models.

B-MR-2001-B-LP B

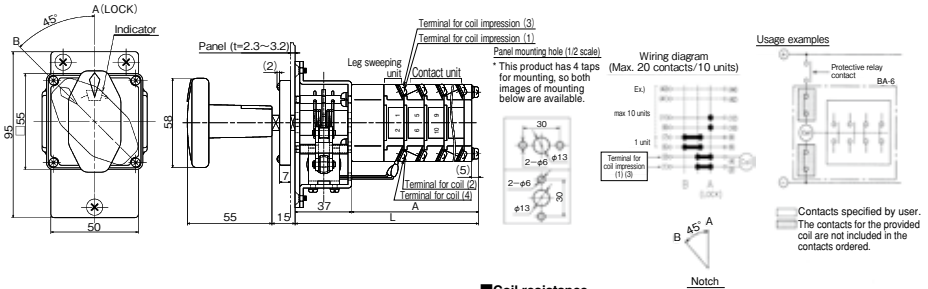


- Closed circuit: 8ms (includes bounce: 15ms) / Open circuit: 8ms High speed operation type.
- By putting coil contact into the unit and can be made compact.
- Product having high environment resistance (equivalent of IP40)
- Notch is double.
- Max unit No. is 10.

OUTLINES

B-MR

(B type)



■ **Coil resistance**

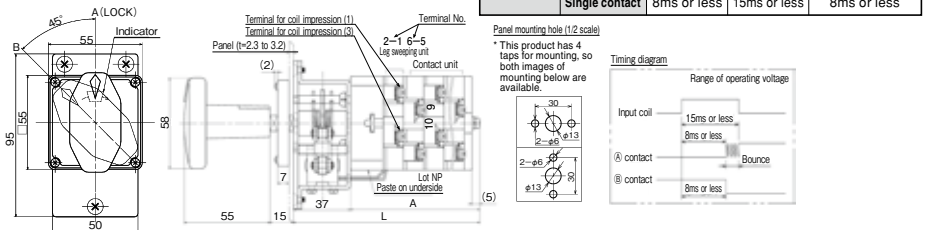
Circuit voltage (V)	24V	100/110V	125V	200/220V
Coil resistance (Ω)	—	16.5 Ω	27 Ω	—

■ **Coil operation time**

Operating time	Contact	A contact (open circuit time)		B contact (open circuit time)
	Single contact	8ms or less	15ms or less	8ms or less

BH-MR

(BH type)



■ Operation method and caution for using this product

(Operation method)

- ① By coil application from A position, lockout to the B position.
- ② By turn the handle clockwise manually from B position, lock (return operation) at A position.

(Caution)

Do not offer the reset operation when external signal comes to the coil. As it may cause damage (burnout) to the coil.



B TYPE, BH TYPE

SPECIAL SPECIFICATION SWITCH CODING FOR ORDERING

9

Minute current switch (BY)

This switch is used in the applications requiring environmental resistance or using minute electric current.

BY-H2-2BX2AX-LD-B

Code	Switch	No. of contacts	Handle code	Color of handle / flange
BY	B type	No. of units	Color of handle / flange	
BHY	BH type	Notch code	Contact of minute current switch (Ends with "X")	

* Outline is same as standard B / BH type.

- For the specification, please see technical data on A56.
- The notches are the same as those of the standard switches.
- For a contact, X is added to the standard contact symbol like AX.
- This switch can be assembled within a switch with standard contacts. However the units for the contacts of the minute current is exclusive unit.

Ex.) BY-H2-2BX2A
 Minute current contact

- In case of lapping contact, L (Minute current lapping contact) is added after X (Minute current contact).

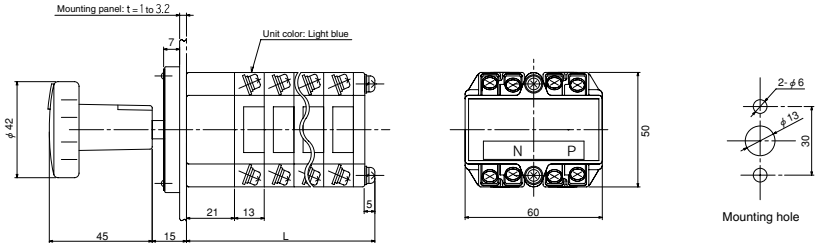
Ex.) BY-H2-2BXL2A
 Minute current lapping contact

- Minute current contact is applicable to other standard products.

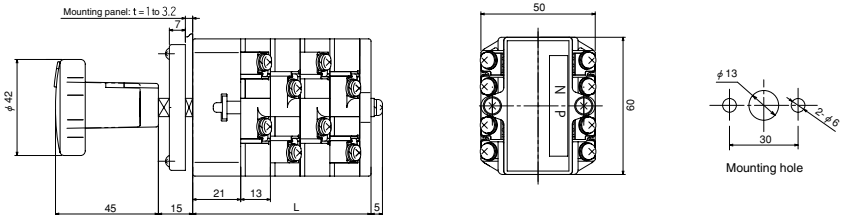
Ex.) BHY-H2-2BX2AX

OUTLINES

BY



BHY



10

Rear terminal type switch

Since the terminal part is arranged to the rear side, it's possible to use the space effectively.

● It's possible to chose any notches except pull (push) type.

BH-B-H2-2B2A-LD-B

Basic type Notch code No. of units No. of contacts Contact code Handle code Color of handle / flange

OUTLINES

BH-B

