



# B-□□□-WS TYPE, BH-□□□-WS TYPE



## FEATURES

### ■ High reliability for low-frequency operation

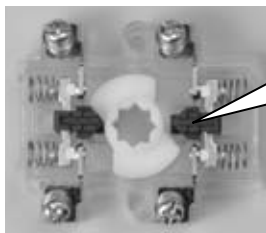
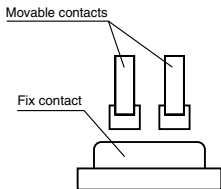
Double-bridge (Twin) contacts mechanism enhances higher reliability than normal contacts mechanism. The opportunity of direct control operation by switches are decreasing nowadays, and this switches apply to the requirements for ensuring reliability in case of low-frequency operation.

【Double-bridge contacts】

【Contact portion photo】

【Unit photo】

【Enlarged photo】



### ■ High reliability by grease-less

For the moving rod of the unit, a grease-less has been realized by adopting a high slippery material. It's enhance high reliability over long-term use.

## SPECIFICATIONS (RATINGS, PERFORMANCE) / STANDARD OPERATING CONDITION

STANDARD: NECA C 4520 (2002)

NECA C 4522 (2002)

Specification	Type	B, BH-WS TYPE (silver contact)	B, BH-WG TYPE (gold contact)
Rated insulation voltage (Ui)		600V (250V for rear terminal type and Lamp circuits of indicator lamp type)	
Rated current-carrying capacity (Ith)		30A	2A
Rated operational voltage (Ue) Rated operational current (Ie)		220V AC-10A (cos φ =0.3 to 0.4), 220V AC-15A (resistance load) 110V DC-5A (L/R=40ms), 110V DC-8A (resistance load)	12V DC-500mA (resistance load) 24V DC-250mA (resistance load) 48V DC-200mA (resistance load)
Short time current-carrying capacity		200A, 1 sec.	
Max. wire size		5.5mm <sup>2</sup>	
Screw size		M4×9	
Withstand voltage		2,500V, 1 sec.	
Lightning impulse		±7kV (between live portion and ground), ±3kV (between individual live portion)	
Insulation resistance		1,000MΩ or more	
Contact resistance		50mΩ or less (initial)	
Mechanical life		50,000 times or more	
Electrical life		50,000 times or more	
Shock resistance		500m/s <sup>2</sup> (6 directions)	
Operating temperature		-20 to 60°C	
Storing temperature		-40 to 70°C	
Relative humidity		30 to 85%	
Altitude		2,000 m or less	



# B-□□□-WS TYPE, BH-□□□-WS TYPE

## HOW TO ORDER

### BH - T2 - 2B2A - WS - LD - B 54-300

① Basic type  
**B** B type switch  
**BH** BH type switch

② Notch code (page A4 to 5)

③ No. of units

④ No. of contacts

⑤ Contact code (page A5)

⑥ Contact specification \*

<b>WS</b>	Double - bridge - Silver contact specification
<b>WG</b>	Double - bridge - Gold contact specification
<b>WSG</b>	Double - bridge - Mix of silver and gold contact

\* Except for contact specification, the contacts are same as standard B / BH type.

⑦ Handle code (page A6)

Munsell color code		
Code	Handle	Flange
<b>B</b>	N1.5	N1.5
<b>BG</b>	7.5BG3/3.5	7.5BG4/1.5

⑧ Color of handle / flange

⑨ Nameplate (page A51 to 54)

● The gold contact, X is added to the standard contact symbol.

Ex.) BH-T2-2BX2AX-WG

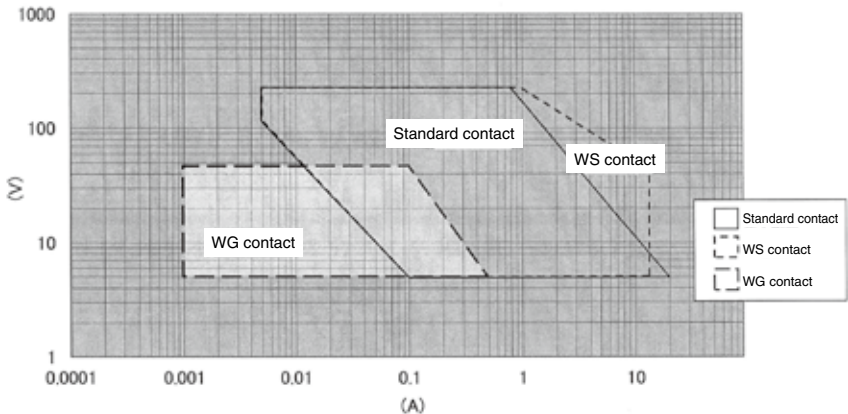
Ex.) BH-T2-2BX2A-WSG

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

Ex.) BH-T2-2BXL2AL-WSG

## Operating load range

### Double bridge type load range



● The operating load range is as shown in the graph above. Please select a contact type according to your application.