

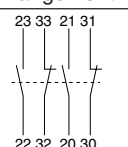
■ **Accessories/LBS type**
 ● **Shunt trip mechanism**

This mechanism permits remote tripping and when a 100V DC or AC is applied to the trip coil an interruption is carried out. It has a continuous rating when used with AC but a short time rating of 5 secs when connected to a DC supply. Please connect the auxiliary contacts (1NO) on the LBS switches in series in order to prevent the coil from being burnt when operating on DC. Specify "LBS-6/200F" or "LBS-6/210F" when ordering and switches will be shipped with trip mechanism factory-assembled.

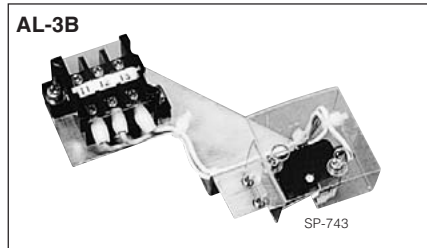
Coil ratings	Operating time
100/110V AC•DC 3A AC: Continuous DC: 5 sec.	0.1 sec. or less

● **Auxiliary switches/AUX-3**

These switches provide an open-closed indication and can be used for interlocking circuits. The AUX-3 type auxiliary switches are sold as separate kits. They are easily fitted to the switch body and are supplied with instruction manual. The contact arrangement is 2NO + 2NC.

Type	Ratings	Arrangement
AUX-3	100/110V DC 15A 200/220V AC 15A	

● **Blown-fuse indicators/AL-3B**

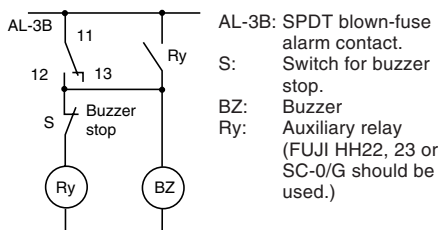


The AL-3B will provide an alarm when a fuse is blown.

These units are easily fitted to the LBS switches. The contact arrangement is SPDT and it has a momentary action of 25ms. It, therefore, requires a self-hold circuit as shown in the diagram.

● **Contact specification**

Arrangement	SPDT
Ratings (Inductive load)	100V DC 0.6A, 110V AC 6A, 220V AC 6A
Signal continuous time	25 ms



● **Power fuses JC-6/5 to JC-6/100**



LBS switches require fuses and these are sold separately. Power fuses are selected to meet the load requirements and prices differ according to the ampere ratings. It is therefore necessary to specify the fuse rating when LBS switches are ordered. The fuses are shipped in cartons holding a set of three pieces. The following table lists fuse ratings for general use.

Type	Ratings		
	Voltage (kV)	Interrupting current (kA)	Rated* current (A)
JC-6/5	7.2/3.6	40.0	5
JC-6/10			10
JC-6/20			20
JC-6/30			30
JC-6/40			40
JC-6/50			50
JC-6/60			60
JC-6/75			75
JC-6/100			100

* General purpose (G-type)

● **Barriers**



The LBS switches have an adequate insulation distance and when installed in the metal-enclosed cubicles barriers are not required. When used in open-type cubicles or under "open" conditions barriers can be supplied to prevent damage from small animals occurring. These are sold separately.

Type	Number of barriers
SP-4C	4



H.V. Distribution Equipment

Air load break switches

■ Attachment accessories and modification kits

Switch body type	Shunt trip	Auxiliary switch	Operating mechanism			Left lever handle	Power fuse link	Fuse holders	
			Manual remote operating	Motor driven remote operating	Control unit			Without blown indicator	With blown indicator
LBS-6/200	–	▲AUX-3	–	–	–	–	▲JC-6/□	●	▲AL-3B
LBS-6/200f	●		–	–	–	–	▲JC-6/□	●	▲AL-3B
LBS-6/210	–	▲AUX-3	–	–	–	–	▲JC-6/□	●	▲AL-3B
LBS-6/210f	●		–	–	–	–	–	–	–
LB-6/100	–	▲AUX-3	–	–	–	–	–	–	–
LB-6/100f	●		–	–	–	–	–	–	–
LB-6/200	–	▲AUX-4	▲R290B	▲R293B	▲R293X	▲LB-LH	▲HF337	▲FH-1	▲FH-2
LB-6/200f	●		–	–	–	–	HF338		
LB-6/200fL	●		–	–	–	●	–		
LB-6/400	–		▲R290B	▲R293B	▲R293X	▲LB-LH	–	–	–
LB-6/600	–		–	–	–	–	–	–	–

Note: ● Factory assembled ▲ Customer assembled – Not available



● LB type

LB-6/100

SG-879

No. of pole	Rated voltage (kV)	Rated current (A)	Shunt trip	Handle attaching angle	Mass (kg)	Type
3	7.2/3.6	100	–	Fixed	9	LB-6/100
		100	Provided	Fixed	9.5	LB-6/100f
	7.2/3.6	200	–	Adjustable	11	LB-6/200
		200	Provided	Fixed	14	LB-6/200f
		200	Provided	Fixed	15	LB-6/200fL
7.2/3.6	400	–	Adjustable	12	LB-6/400	
7.2/3.6	600	–	Adjustalbe	14	LB-6/600	



LBS type Compact size

SP-304

● LBS type

No. of pole	Rated voltage (kV)	Rated current (A)	Shunt trip	Handle attaching angle	Mass (kg)	Type	Fuse rated current
3	7.2/3.6	200	–	Fixed	10	LBS-6/200	Type JC: 5 to 75A
		200	Provided	Fixed	10.5	LBS-6/200f	
3	7.2/3.6	200	–	Fixed	10	LBS-6/210	Type JC: 100A
		200	Provided	Fixed	10.5	LBS-6/210f	

■ Ordering information

Specify the following:

1. Type number or ordering code
2. Attachment accessories and modification kits if required.

Example (Type number)

- LB-type air load break switch LB
- Rated voltage 7.2kV –6
- Rated current 200 A 200
- With shunt trip device f

Type number LB-6/200f and

Type number of fuse link HF338E/6/75 (Rated current 75 A)

Fuse holder with fuse blown indicator FH-2

■ Type number nomenclature

LB - 6 / 200 f L

Handle

Blank: Standard (Right lever handle)

L: Left lever handle (200A only)

Shunt trip device

Blank: Without shunt trip device

f: With shunt trip device

Rated current

100: 100A

200, 210: 200A

400: 400A

600: 600A

Rated voltage

6: 7.2/3.6kV

Basic type

LB or LBS