

MODEL SB-9

Master Control Switch - Rotary Switch for Frequent Control of Circuit Breakers, Motors, or Magnetic Switches



Features and Benefits

- Standard mounts on panels up to 3/16" (up to 2" available)
- Up to 16 stages (32 contacts)
- Tandem mechanisms available
- Yale lock or locking handle available
- Silver to silver positive wiping action contacts
- Rated 600 V, 20 A continuous (250 A for 3 sec)
- Palladium contacts for low level instrument circuits available
- Pull-to-lock and pull-to-turn actions available
- More positive positioning than SB-1
- Better insulation to ground than SB-1
- More substantial bearings than SB-1
- Up to 12 positions, 360° rotation
- 4 types of escutcheons (switch face plates)
- 8 types of fixed handles
- 3 types of removable handles
- Maintained or spring return switch action
- NEMA 1 cover
- UL recognized

Features

- Steel mills, petroleum/chemical plants, power plants, heavy industries
- Repetitive positive positioning operation (thousands/week)

Applications

The SB-9 master control switches are recommended for applications requiring a large number of repetitive operations with positive positioning on each operation. This switch was designed primarily for use in steel mills, petroleum and chemical plants, and similar heavy industries where thousands of operations with positive positioning are required per week.



Construction

The SB-9 switch is shown above. The contacts and stages of this switch are similar to the SB-1 switch except the SB-9 switch has a more positive positioning device, better insulation to ground, and more substantial end bearings. The positioning device is located at the rear of the switch.

The SB-9 switches have the following characteristics:

- (a) maximum of 16 stages (32 contacts):
each stage houses two contacts which are available in any combination: electrically common; electrically separate or double break
- (b) maximum of 12 positions:
90, 75, 60, 45, 37 1/2, 36, or 30° between positions.
- (c) handles:
normally furnished with a large black pistol grip, but can be furnished with any of the standard handles used with the SB-1 switch including removable handles
- (d) escutcheon:
same as SB-1 switch
- (e) operation:
 - 1. maintained action — all positions
 - 2. spring return — same as type SB-1 switch
- (f) additional accessories and optional features:
all special features listed for the SB-1 switch can be incorporated into the SB-9 switch; refer to GET-6169

Ratings

SB-9 Switches are rated 600 VDC and VAC, 20 A continuous or 250 A for three sec.

Interrupting Ratings

CIRCUIT VOLTS	NONINDUCTIVE CIRCUIT			INDUCTIVE CIRCUIT (1)		
Number of Contacts						
	1	2 in Series	4 in Series	1	2 in Series	4 in Series
Interrupting Rating (A)						
24 DC	6	30	...	4	20	30
48 DC	5	25	40	3	15	25
125 DC	2.5	11	25	2	6.25	9.5
250 DC	0.75	2	8	0.7	1.75	6.5
600 DC	0.25	0.45	1.35	0.15	0.35	1.25
115 AC	40	75	--	24	50	...
220 AC	25	50	--	12	25	40
440 AC	12	25	--	5	12	20
550 AC	6	12	--	4	10	15

¹ Values of inductance equal to that of the average trip circuit.

For circuits having high values of inductance, refer application to your GE Vernova representative for recommendations.

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