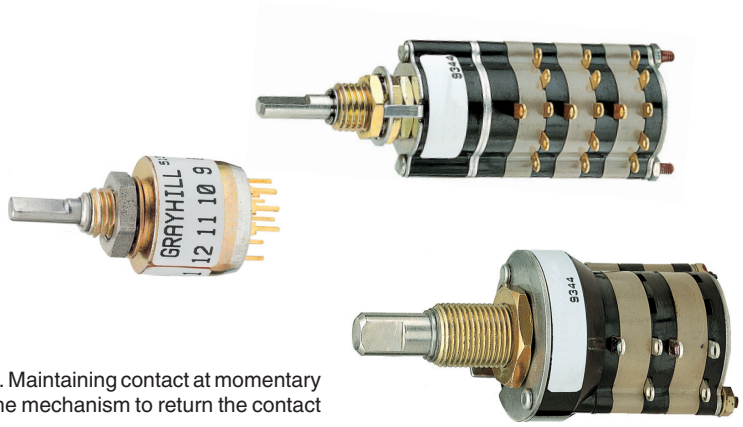
SERIES 08,09,42,44,50
Spring Return

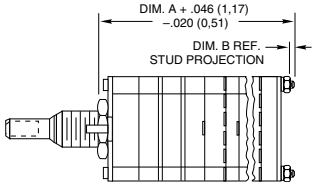
FEATURES
- Hold-To-Test, Hold-To-Calibrate, And Other Momentary Applications
- Choice of Configurations, Ratings, Styles and Circuitry
- 10,000 Cycles of Operation



DESCRIPTION
A spring return rotary switch has 1 or more momentary positions. Maintaining contact at momentary positions requires rotational force. Releasing the force allows the mechanism to return the contact to a normal, or detent, position.

DIMENSIONS

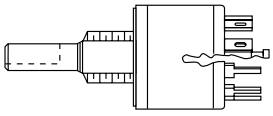
Series 08 & 09

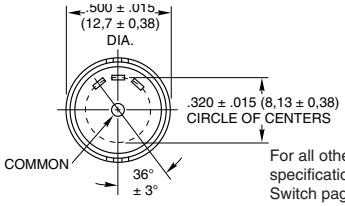


No. of Decks	Dim A	Dim B
1	.960 (24,38)	.062 (1,57)
2	1.228 (31,19)	.062 (1,57)
3	1.496 (38,0)	.062 (1,57)
4	1.764 (44,81)	.062 (1,57)
5	2.032 (51,61)	.062 (1,57)
6	2.550 (64,77)	.312 (7,92)

For all other dimensions and specifications, see Standard Switch pages.

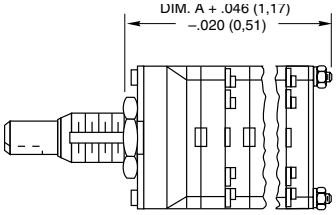
Series 50
Equivalent to Series 50 Standard Switches





For all other dimensions and specifications, see Standard Switch pages.

Series 42 & 44



No. of Decks	Dim. A
1	1.025 (26,04)
2	1.371 (34,82)
3	1.717 (43,61)

For all other dimensions and specifications, see Standard Switch pages.

CONFIGURATIONS
This configuration indicates a counterclockwise force is required to hold the switch at position #1. "M" indicates a momentary position counterclockwise of "D" and "D", detented ones.

Positions	1	2	3
	M	D	D

Releasing this force breaks contact with position #1 and returns the switch to #2. Normal rotary switch detent action occurs when the switch is rotated between position #2 and #3.

All of the configurations (except *MDM*) list a basic 2 position arrangement which is shown in italics. Example: *MD*DDDD or DDDD*DM*. Several positions can be added during the switch construction at the factory; but, any configuration must always contain the 2 basic positions.

SELECTING A SWITCH
1. Select a Configuration: The total number of positions always includes the 2 basic positions. A (4) position switch of DDD*DM* configuration would have 3 detent positions counterclockwise of the momentary position.

2. Select Series, Angle of Throw, and Style: See the Choices Chart. The basic switch description, series, and throw are as follows:

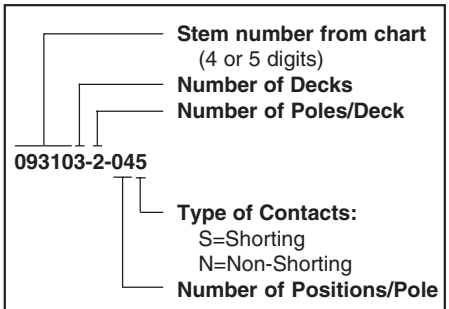
1/2", 1/4 Amp, multi-deck	08 = 36° 09 = 30°
1", 1 Amp, multi-deck	42 = 36° 44 = 30°
1/2", 200 mA, single deck	50 = 36°

Electrical ratings are the same as those of the conventional switches with the exception of life. Life is limited to 10,000 cycles of operation (25,000 cycles for Series 50) due to the spring arrangement. Dimensions are the same as for conventional types except for the shaft flat orientation of the 3, 4, 5, and 6 pole, Series 09 and 44 in the DDDD*DM* configuration (see chart).

3. Select Poles & Positions Per Pole: If you do not find the poles and positions per pole you need in one series, try another or contact the factory. If the behind panel length is a problem, select a multi-pole type instead of a single deck.

OPTIONS
Watertight panel seal; Multi-pole switches that exceed the limits noted in the Selector Chart; Series 50 *MD* or *DM* configurations in Military styles; Series 08, 09, & 44 in MM*MDM*MM, and in MM*DD*MM, and in MMM*MMD*.
Not available through Distributors

ORDERING INFORMATION
Create the part number using this example.



Exception: Numbers beginning with 5 are already complete part numbers.

Mouser Electronics

Authorized Distributor

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Grayhill:

083191-2-05N 083172-2-04N 083172-2-05S 083172-2-03N 083171-1-02N 083174-1-02N 423483-1-03S