

- 1NO/1NC, 2NO/2NC, 3NO/3NC
- Quick Make, Quick Break
- Cam-Type SNAP-LOCK® Technology
- Standard Mounting Style Available
- Spark-proof Bronze or Aluminum Enclosure
- Generous Overtravel
- Flexibility of Motion, CW and CCW
- Ample wiring space for size 12 wire
- NEMA Rated for Hazardous Locations

Technical Data

- Enclosure meets NEMA Types 4, 4X, 6, 6P, 7 (Class I, Groups C & D) and 9 (Class II, Groups E, F & G)
- Contacts made of silver alloy. Contact shifting mechanism is locked in position by the latches until switch lever is actuated.
- Temperature Range: -20°C to + 90°C
- Operating lever is adjustable to any required position. Operating lever angles (CW or CCW) maximum degrees of trip travel, as well as total lever travel, are determined by the cam selected
- Operating Torques - Trip Torque varies from 15 to 35 lb-in.
- Form "Z" contact arrangement
- Options available
 - Maintained and Neutral Positions
 - High Temperature (0°C to + 150°C) components and lubricants
 - Low Temperature (-40°C to + 90°C) components and lubricants
- Weight

- Bronze	1NO/1NC...12 lb.	2NO/2NC...16 lb.	3NO/3NC...19 lb.
- Aluminum	1NO/1NC...6 lb.	2NO/2NC...7 lb.	3NO/3NC...8 lb.

Continuous Current Rating - Amperes

Volts	AC	DC
125	20	5
250	15	1.5
480	10	
600	5	

75-100% Power Factor

Typical Cams

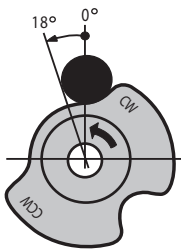
The versatility of the Snap-Lock mechanism is achieved with the use of a series of uniquely designed cams. A standard EA800 series switch, supplied with a combination B1/B2 cam.

Combination B1/B2 CAM

The following three operating sequences are built into the combination cam used in the standard EA800 switches; B1 Single Action CW, B1 Single Action CCW and B2 Double Action CW & CCW.

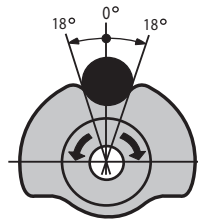
1. The contacts function when the lever is operated CW. The lever can be operated CCW but the contacts will not operate.
2. The contacts function when the lever is operated CCW. The lever can be operated CW but the contacts will not operate.
3. The contacts function when the lever is operated CW or CCW.

B1 Single Action



Normally open to make (normally closed to break) IN ONE DIRECTION ONLY. Lever and cam are spring returned to starting position. Used on Single Action Switches only.

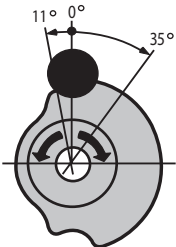
B2 Double Action



Normally open to make (normally closed to break) IN EITHER DIRECTION. Lever and cam are spring returned to starting position.

Neutral Position N CAM

The neutral position cam is designed for applications requiring a neutral position in the contact arrangement. Both the operating lever and cam are spring returned to starting position. The maximum lever travel in either direction is 90°.

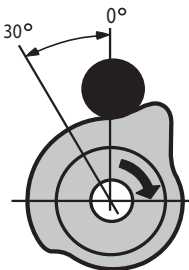


This is the contact action of neutral switches:

- As the lever is moved clockwise the lower contact transfers. As the lever is spring returned to starting position the lower contact is returned to its original position.
- As the lever is moved counterclockwise from starting position the upper contact transfers. As the lever is spring returned to starting position the upper contact returns.

Maintained Position CAM

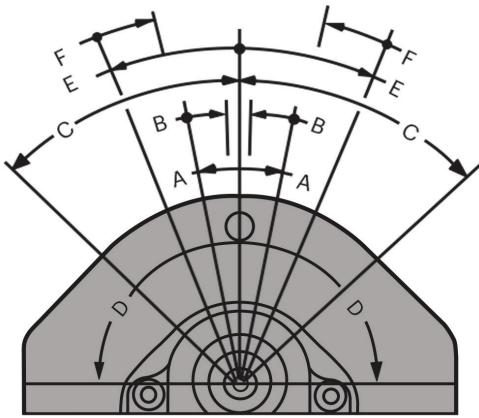
Maintained Switches are available for applications that require maintained contacts and are available with two contact operations:



1. When the lever is moved clockwise the normally open contacts close and the normally closed contacts open. The lever is maintained in tripped position. As the lever is activated counterclockwise to starting position, normally open contacts open and normally closed contacts close.
2. When the lever is moved clockwise the normally open contacts close and the normally closed contacts open. This contact arrangement is maintained as the lever is spring returned to starting position and until the lever is moved counterclockwise when the normally open contacts open and the normally closed contacts close.

Operational Data

EA800 Series - CW, CCW, CW & CCW



A. Trip Travel	18°
B. Reset Travel	14°
C. Recommended Travel	30°
D. Maximum Travel Available	90°

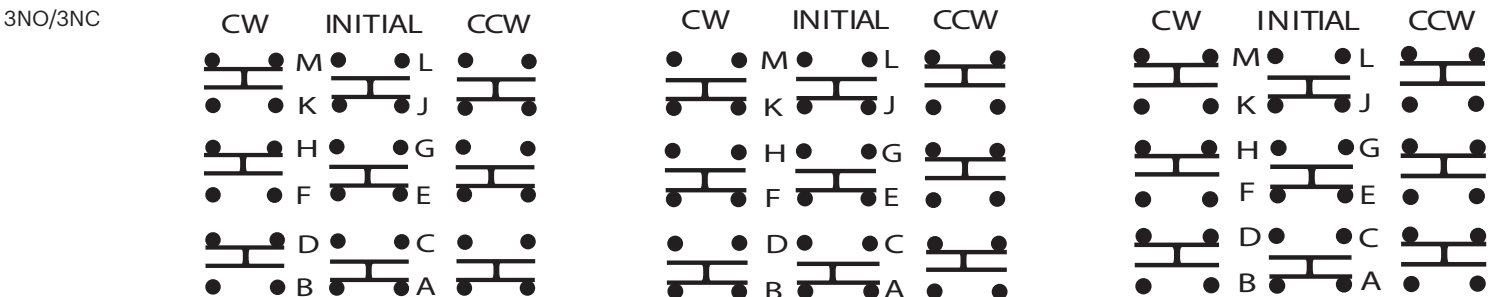
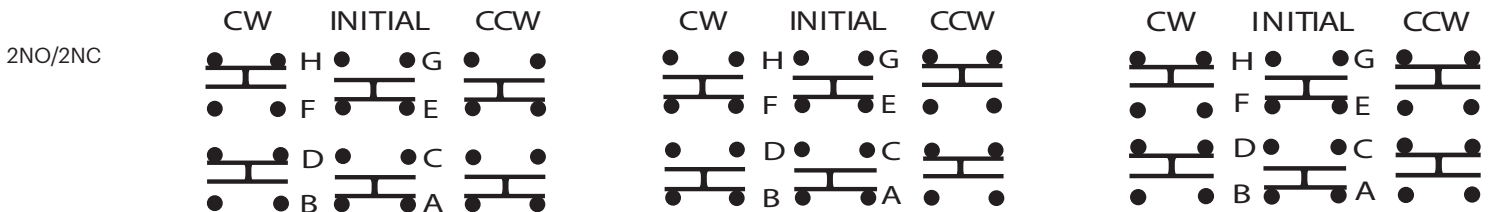
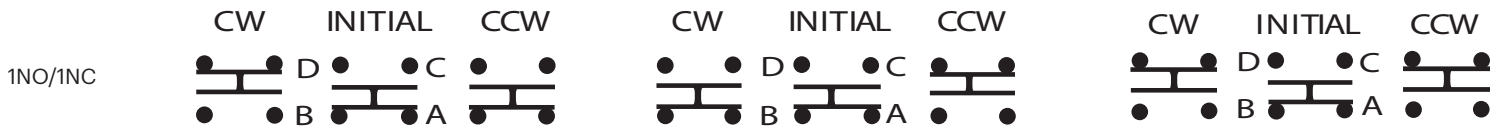
Torque	
1NO/1NC	15 lb-in.
2NO/2NC	27 lb-in.
3NO/3NC	33 lb-in.

Contact Configuration

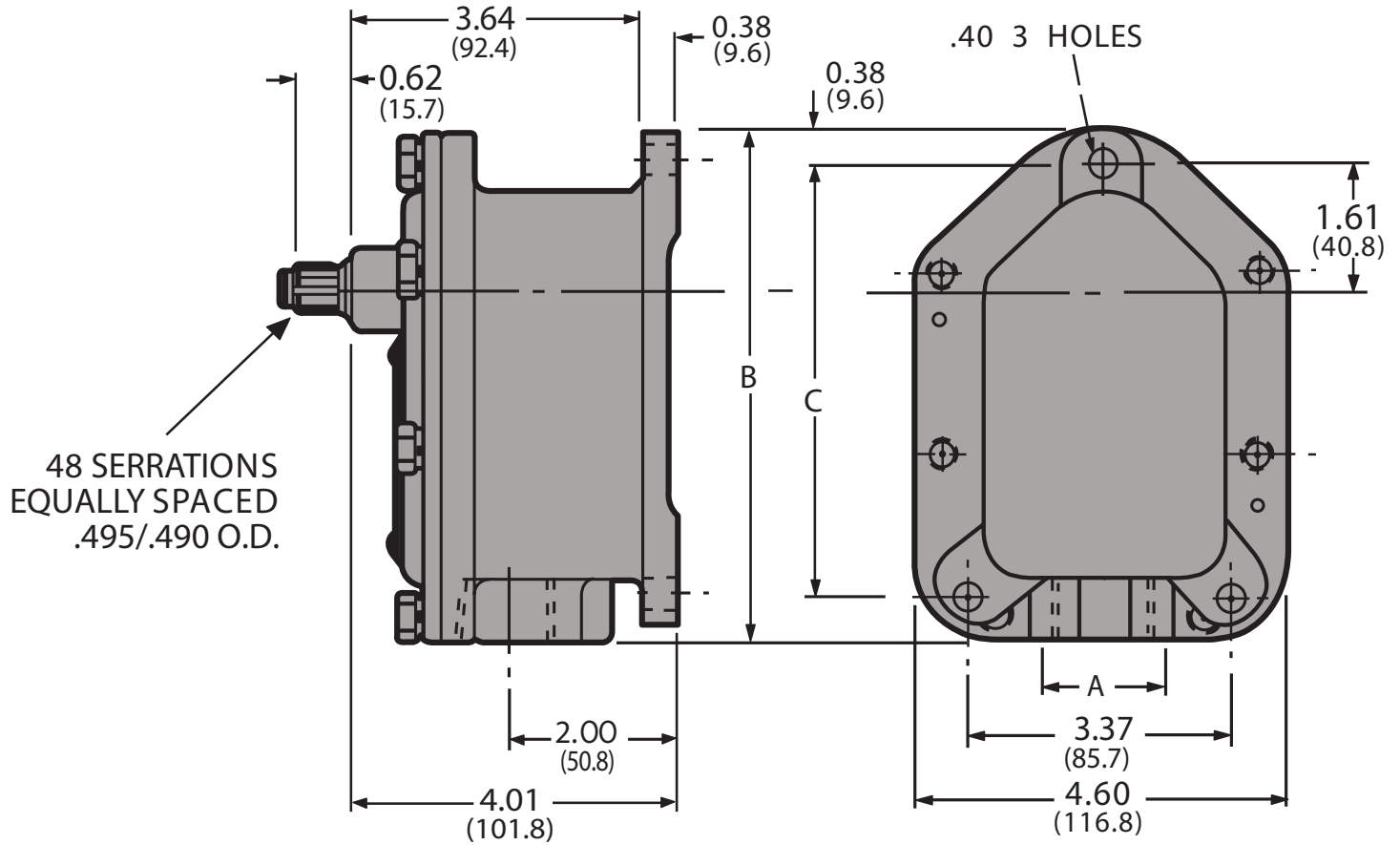
CW Operation Only

CCW Operation Only

CW & CCW Operation



Dimensions & Mounting



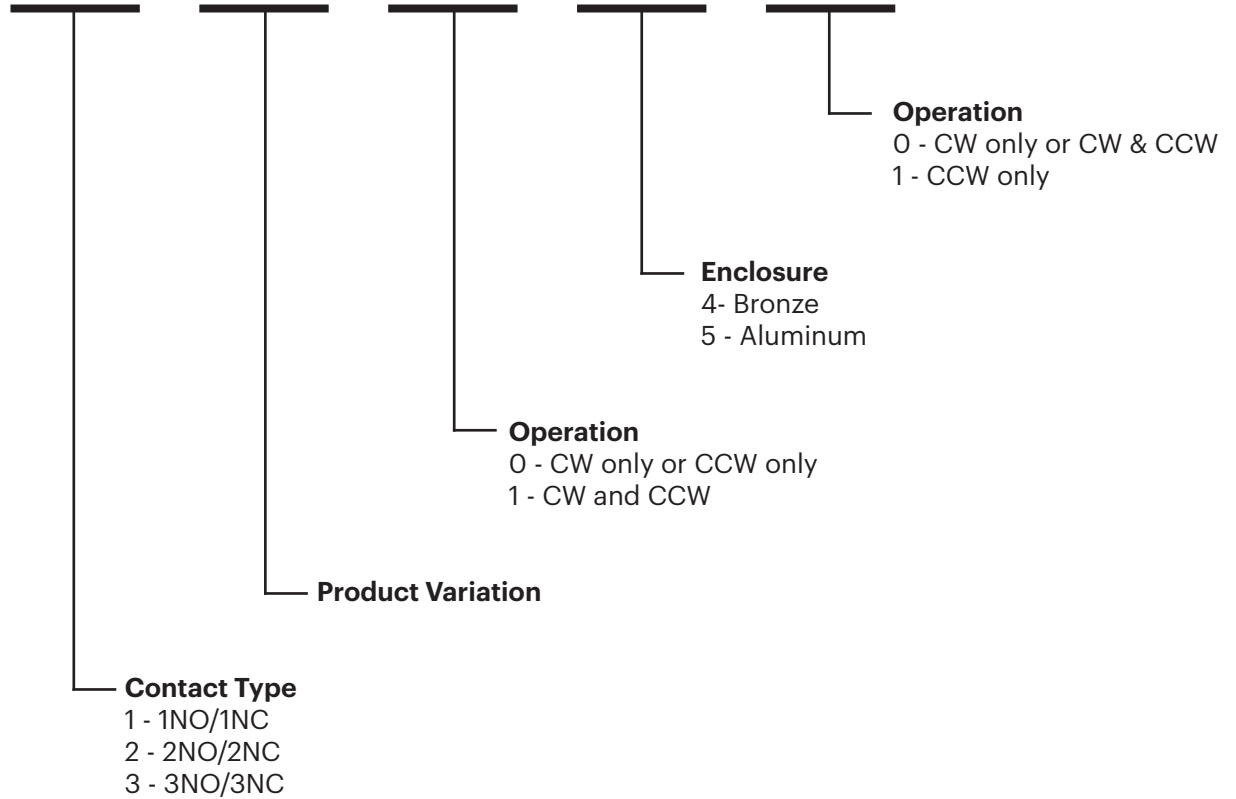
Contact Type	Pipe Tap Size	Conduit Opening	Total Height (in.)	Mounting Height (in.)
		A	B	C
1NO/1NC	14 NPT	0.75	6.47	5.422
2NO/2NC	11 1/2 NPT	1	8.5	7.578
3NO/3NC	11 1/2 NPT	1.25	10.56	9.672

All dimensions given in Inches

Ordering Information

EA800 -

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For Maintained and Neutral Position EA800 Series, consult factory.