



### BZ-2RQ181-A2



*Actual product appearance may vary.*

**BZ Series Standard Basic Switch, Single Pole Double Throw Circuitry, 15 A at 125 Vac, Overtravel Plunger Actuator, 2,5 N - 3,61 N [9 oz - 13 oz] Operating Force, Silver Contacts, Screw Termination, CE, CSA, DEMKO,**

#### Features

- Accepted world-wide standard "Large Basic" switch
- Low operating force and differential travel
- Long mechanical life up to 20,000,000 cycles at 95% survival
- Elongated mounting hole for easier, more accurate mounting
- Current rating ranges from 15 A to 25 A
- Choice of actuation, termination and operating characteristics

#### Potential Applications

- Irrigation systems
- Semi-trailer trucks
- Timing devices
- Office equipment
- Test instruments
- Medical/dental equipment
- HVAC equipment
- Manually operated devices
- Valves

#### Description

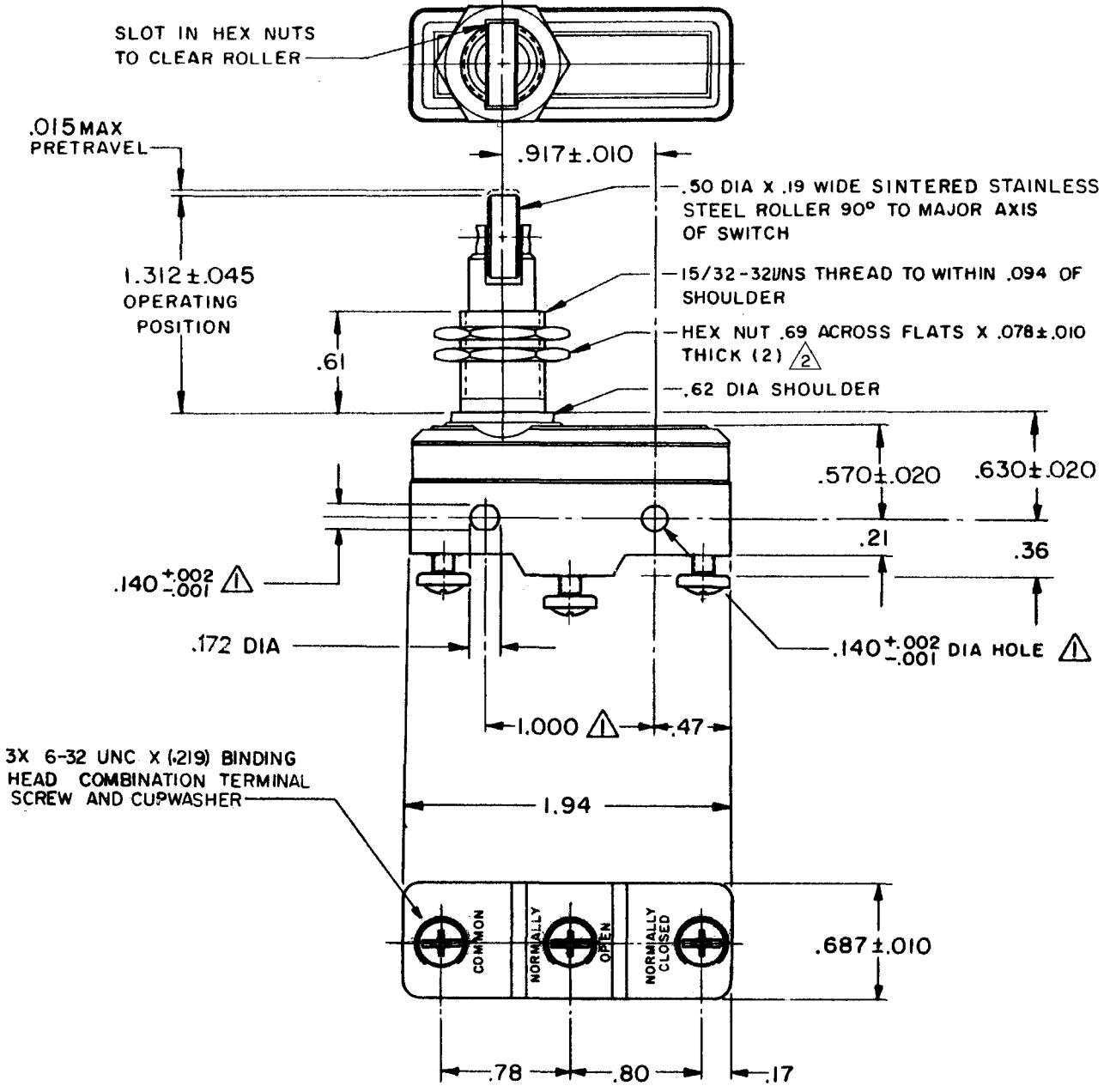
MICRO SWITCH™ BZ/BA Series standard basic switches are used for simple or precision on/off application needs.

#### Product Specifications

Switch Type	MICRO SWITCH™ Standard 25,4 mm H x 17,8 mm W x 50,8 mm L [1.0 in H x 0.7 in W x 2.0 in L]
Sealed	No
Ampere Rating	15 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Overtravel Plunger
Termination	Screw
Operating Temperature Range	-55 °C to 85 °C [-67 °F to 185 °F]

Voltage	125 Vac
Approvals	DEMKO,CE,CSA,UL
Contact Type	Silver
Operating Force (O.F.)	2,5 N - 3,61 N [9.0 oz - 13.0 oz]
Release Force (R.F.)	1,11 N [4.0 oz] min.
Pretravel (P.T.)	0,38 mm [0.015 in] max.
Overtravel (O.T.)	3,56 mm [0.140 in] min.
Differential Travel (D.T.)	0,01 mm - 0,05 mm [0.0004 in - 0.0020 in]
Operating Position (O.P.)	33,32 mm $\pm$ 1,14 mm [1.312 in $\pm$ 0.045 in]
Material	Plastic
Housing Material	General Purpose Phenolic
High Temperature	204 °C [400 °F]
CE mark	61058-1
UL File #	E12252
CSA File #	LR41370
Agency Approvals and Standards	1054
Mounting Screw Size	3,53 mm [0.139 in]
Mounting Centers	25,4 mm [1 in]
Maximum Tightening Torque	0,33 N m [3.0 in lb]
Weight	63,5 g [0.14 lb]
Package Height	24,1 mm [0.95 in]
Package Width	17,5 mm [0.69 in]
Package Length	49,3 mm [1.94 in]
Recommended For	Applications requiring roller plunger 90 ° to major axis of switch
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	BZ/BA/WA/YZ

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**M**  
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 A CO17410 JAN 27 JUL 64  
 B CO26132 MBS 21 JULY 69  
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 E CO-77426-B DLT 29 JUN 94  
 F CO-82133 CSL 1 AUG 96  
 G CO93346 DLT 11 SEP 98  
 H 0015139 TSG 23AUG05  
 FORMTEK FC-50378  
 DRAWN  
 J A N 27 J U L 64  
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 R E L E A S E N O .  
 R J 23 A U G 05  
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 R J 11 A U G 64  
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 R E L E A S E N O .  
 R J 23 A U G 05  
 C H E C K  
 R J 11 A U G 64  
 C H E C K  
 D A W



**NOTES**  
 1 MOUNTING HOLES WILL ACCEPT PINS OR SCREWS OF .139 MAX DIA ON 1.000±.002 CENTERS  
 2 HARDWARE FURNISHED UNASSEMBLED

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CHARACTERISTICS	ELECTRICAL DATA	SCALE FULL
OPERATING FORCE-----9-13 OZ	CONTACT ARRANGEMENT S P D T	DO NOT SCALE PRINT
RELEASE FORCE-----4 OZ MIN	-L96- 15A-125, 250, OR 480 VAC 1/2 A-125 VDC; 1/4 A-250 VDC 1/8 HP-125 VAC; 1/4 HP-250 VAC	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES
DIFFERENTIAL TRAVEL-----.0004-.0020	-L288- -L306- -L315-	<b>TOLERANCES ARE:</b> ONE PLACE (.0) ±.030 TWO PLACE (.00) ±.015 THREE PLACE (.000) ±.005 ANGLES ±.2°
OVERTRAVEL-----.140 MIN	CE EN05 EC SP RU 16A 250V ~ T85 5E4	WEIGHT .14 LB MAX