



### BZ-2RQ18-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	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	Added overtravel, roller plunger for rapid cam (30 ° max) rise and slide operation, panel mount
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	BZ/BA/WA/YZ



# MICRO SWITCH

FREEPORT, ILLINOIS, U.S.A.  
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

# SWITCH - BASIC

CATALOG LISTING

## BZ-2RQ18-A2

### ALH1000

**BZ-2RQ18-A2**  
 PAGE 1 OF 1  
**M**  
 DRAWING NUMBER  
 7  
 ISSUE

REPLACES

RELEASE NO.

CHECK

#### REVISIONS

A	CO17410	GCH	16 NOV 63
B	CO-73287-B	DHD	17 MAY 93
C	CO-77589	KDR	29 MAR 94
D	CO-82133		

23 AUG 05

RJ

CHECK

E CO93346

1 AUG 96

DLT 10 SEP 98

CHECK

F 0015139

18 NOV '64

TSG 23 AUG 05

CHECK

18 NOV '64

LS D

CHECK

16 NOV 64

CHECK

FORMTEK

FC-50376

DRAWN

16 NOV 64

FORMTEK

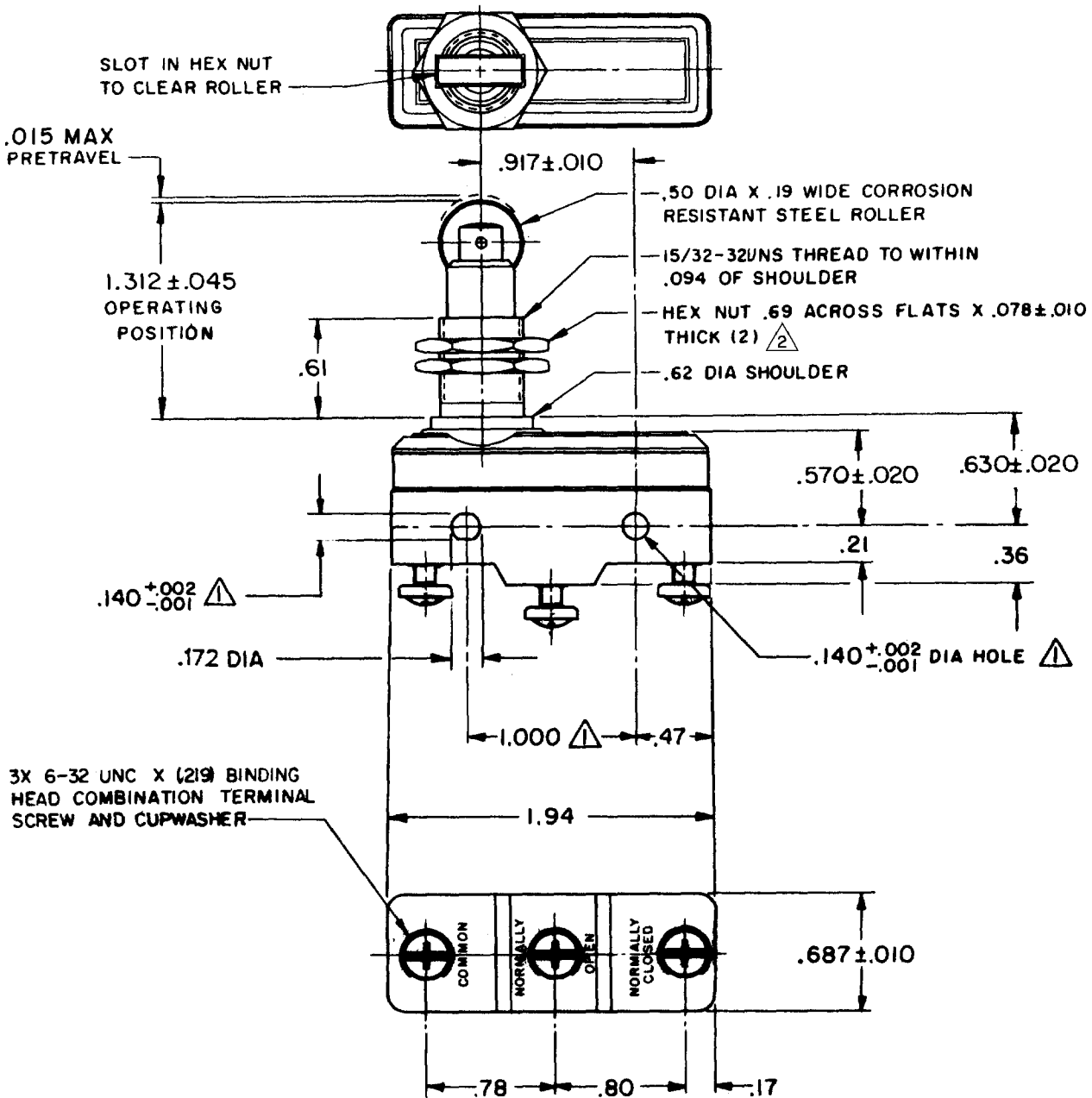
FC-50376

DRAWN

16 NOV 64

FORMTEK

FC-50376



#### NOTES

- $\triangle 1$  MOUNTING HOLES WILL ACCEPT PINS OR SCREWS OF .139 MAX DIA ON 1.000 ± .002 CENTERS
- $\triangle 2$  HARDWARE FURNISHED UNASSEMBLED

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.

#### CHARACTERISTICS

OPERATING FORCE ----- 9-13 OZ  
 RELEASE FORCE ----- 4 OZ MIN  
 DIFFERENTIAL TRAVEL --- .0004 - .0020  
 OVERTRAVEL ----- .140 MIN

#### ELECTRICAL DATA

CONTACT ARRANGEMENT  
 S P D T  
 -L96- 15 A-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  
 -L288-  
 -L306-  
 -L315-

EN 05 EC  
 16A 250V  
 T85 5E4

#### SCALE FULL

DO NOT SCALE PRINT

UNLESS OTHERWISE NOTED

DIMENSIONS ARE IN INCHES

#### TOLERANCES ARE:

ONE PLACE (.0) ± .030  
 TWO PLACE (.00) ± .015  
 THREE PLACE (.000) ± .005  
 ANGLES ±

WEIGHT