



### BZ-2RQ1-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.)              | 5,56 mm [0.219 in] min.                          |
| Differential Travel (D.T.)     | 0,01 mm - 0,05 mm [0.0004 in - 0.0020 in]        |
| Operating Position (O.P.)      | 21,82 mm $\pm$ 0,76 mm [0.859 in $\pm$ 0.030 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                         | 39 g [0.086 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                | Up to 20 amps load handling                      |
| 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-2RQ1-A2

### ALF4500

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**M**  
DRAWING NUMBER

9  
ISSUE

REVISIONS

|   |            |     |           |
|---|------------|-----|-----------|
| A | CO-17410   | GCH | 22 MAY 63 |
| B | CO-73287-4 | DHD | 17 MAY 93 |
| C | CO-77589   | KDR | 29 MAR 94 |
| D | CO-82133   | CSL | 25 JUL 96 |
| E | CO-93346   | DLT | 10 SEP 98 |
| F | 0015139    | TSG | 23 AUG 05 |

FORMTEK  
O-80376

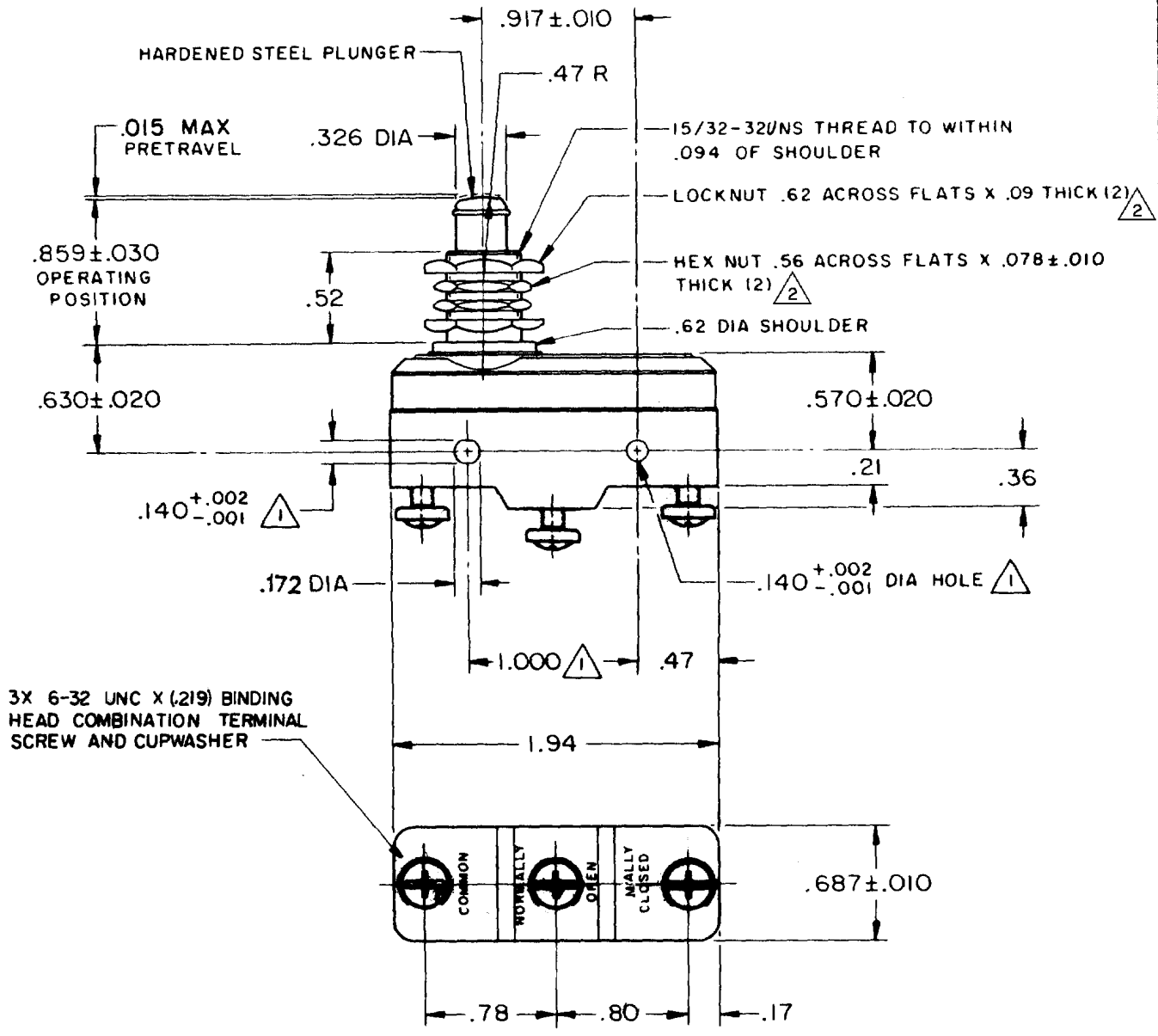
RELEASE NO. 15 JUN 63

CHECK 1.S.D

REPLACES

CHECK 22 MAY 63

DRAWN GCH



- NOTES**
- $\triangle_1$  MOUNTING HOLES WILL ACCEPT PINS OR SCREWS OF .139 MAX DIA ON 1.000 ± .002 CENTERS
  - $\triangle_2$  HARDWARE FURNISHED UNASSEMBLED

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| CHARACTERISTICS                        | ELECTRICAL DATA   | SCALE FULL   |
|--|---|--|
| OPERATING FORCE ----- 9 - 13 OZ        | CONTACT ARRANGEMENT<br>S P D T  | DO NOT SCALE PRINT   |
| RELEASE FORCE ----- 4 OZ MIN           | -L96- 15 A - 125, 250, OR 480 VAC<br>1/2 A - 125 VDC, 1/4 A - 250 VDC<br>1/8 HP - 125 VAC, 1/4 HP - 250 VAC<br><br>CE EN <sup>05</sup> EC<br>16A 250V ~ T85 5E4 | UNLESS OTHERWISE NOTED<br>DIMENSIONS ARE IN INCHES                                       |
| DIFFERENTIAL TRAVEL ----- 0004 - .0020 |   | TOLERANCES ARE:  |
| OVERTRAVEL ----- .219 MIN              |   | ONE PLACE (.0) ± .030<br>TWO PLACE (.00) ± .015<br>THREE PLACE (.000) ± .005<br>ANGLES ± |
|  |   | WEIGHT .094 LB   |