# Series KAP 16

## SUB-MINIATURE 10.1 AMP DOUBLE-BREAK SNAP ACTION SWITCHES

Similar to Series 16 switches with improved materials and performance. Ideal for critical applications where long life and reliability are needed.



ACTUAL SIZE

## APPLICATIONS:

- Lift truck seat switch
- Aircraft contactor
- Sump pump float switch
- Aircraft actuator
- Valve actuator
- Industrial equipment and machinery
- Office equipment
- Medical equipment

## KEY FEATURES:

- Enhanced gold contacts for high or low power applications
- Thermoplastic case sealed to prevent flux intrusion
- Meets MIL-PRF-8805 requirements
- Roller lever, lever, short roller lever and bushing mount actuator are available.

## ORDERING INFORMATION:

**Switches**

| Part Number | Contacts | Terminals |
|---|---|---|
| 16-110 | Enhanced Gold | End |
| 16-111 | Silver | End |
| 16-410 | Enhanced Gold | Bottom |

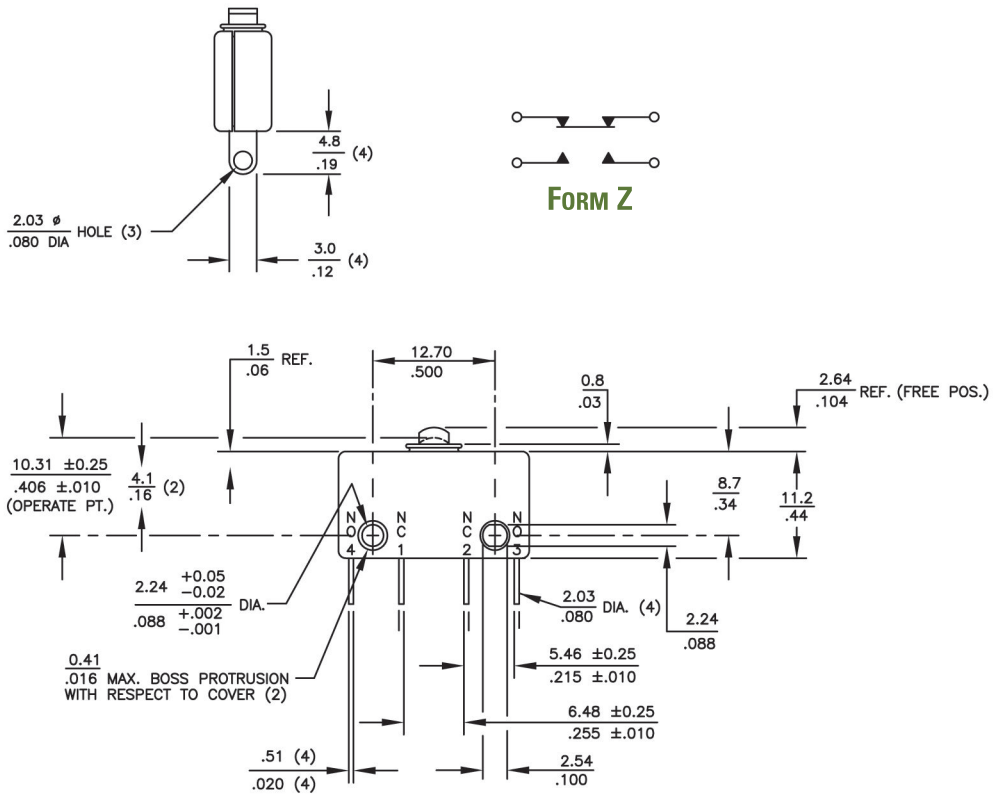
**Actuator** (see page 67 for additional specifications)

| Part Number | Switch Series | Oper. Force | Release Force | Pretravel | Overtravel | Movement Diff. |
|---|---|---|---|---|---|---|
| 76-1200 Roller Lever | 16 | 4 oz max | 1 oz min | .125 max | .025 min | .045 ± .011 |
| 76-1210 Lever | 16 | 2.5 oz max | 1 oz min | .125 max | .025 min | .047 ± .013 |
| 76-1220 Short Roller Lever | 16 | 5 + 3 oz - 2 oz min | 2 oz min | .050 max | .023 min | .020 ± .005 |
| 76-22604 Bushing Mount | 16 | 5 oz | — | .050 max | .156 min | — |

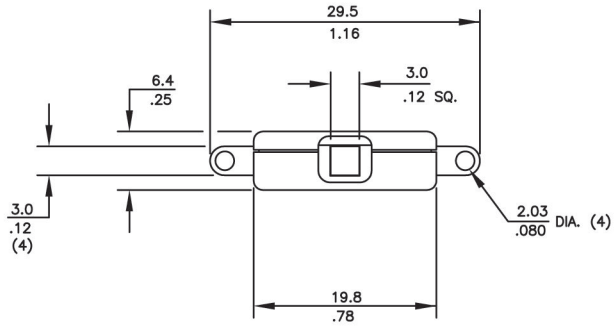
## STANDARDS / AGENCY / RATINGS:

# SERIES KAP 16: SUB-MINIATURE 10.1 AMP DOUBLE-BREAK

## BOTTOM SOLDER




## END SOLDER




## MECHANICAL / ELECTRICAL CHARACTERISTICS:

**Pretravel:**
0.050 inches max

**Overtravel:**
0.012 inches min

**Operating Force:**
5 oz + 3 oz - 2 oz

**Release Force:**
2 oz min

**Movement Differential:**
0.020 inches ± 0.005

**Operating Point:**
0.406 inches ± 0.010
(from mounting hole centers)

**Circuit:**
SPDT-DB (Form Z)

**Temperature Index:**
-65°C to +125°C
(-85°F to +257°F)

**Electrical Rating @ 28VDC:**

| | | Sea Level | 70,000 Feet |
|---|---|---|---|
| Form Z 2 Circuit | Res | 10A | 10A |
| | Ind* | 5A | 2A |
| | Lamp | 3A | — |

*L/R = .026

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*Designs and specifications are subject to change without notice due to product improvement.*



ITW Switches
SENSORS, SWITCHES, ELECTRONIC CONTROLS

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