FEATURES

- Sealed bushing
- Current rating versatility
- 1 and 2 pole circuitry
- Non-teasible mechanism for all but center "ON" circuits
- Dry circuit (logic level loads) to power switching levels
- Wiping action contacts
- Positive make and break action
- Small and large size bushings and Actuator
- Solder lug terminals
- Also available with locking Actuator, integrated wire termination and printed circuit board terminals.

SPECIFICATIONS

- Bushing seal or bonded seal per MIL-DTL-8834
- MS approved and OPL'd to MIL-DTL-8834
- Temperature range: $-67^{\circ} \mathrm{F}$ to $+160^{\circ} \mathrm{F}$
$\left(-55^{\circ} \mathrm{C}\right.$ to $\left.+71^{\circ} \mathrm{C}\right)$
- Life: 20,000 operations at rated load 40,000 operations mechanical life
- "O" ring panel seal on $1 / 4$ " - 40 type bushing size
- Solder lug terminals 050 [1,27] dia. hole

| CURRENT RATINGS |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. of Poles | Catalog Number | Type of Operation | 28VDC <br> (Amperes per pole) |  | 115 VAC 60 Hz and 400 Hz (Amperes per pole) |  |
|  |  |  | Resistive Load 28VDC | Inductive Load <br> 28VDC | $\begin{array}{\|c} \begin{array}{c} \text { Resistive } \\ \text { Load } \end{array} \\ 60 \mathrm{~Hz} 400 \mathrm{~Hz} \\ \hline \end{array}$ | Inductive Load 60 Hz 400 Hz |
| 1 | $\begin{aligned} & 8866 \\ & 8868 \end{aligned}$ | Maintained and Momentary | 5 | 1 | 23 | 12 |
| 2 | $\begin{aligned} & 8867 \\ & 8869 \end{aligned}$ | Maintained and Momentary | 5 | 1 | 23 | 12 |

Minimum Rating: 25 microamperes at 5 millivolts.

## SELECTION TABLE

| CIRCUIT WITH LEVER IN |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 9 |  | Center Position | Down Position (Keyway) | Military Part Number | Catalog Number (2) |
| ONE POLE |  |  |  |  |  |
| 8866 | ON | OFF | ON | MS24655-211 | 8866K1 |
|  | ON | NONE | OFF | -221 | K7 |
|  | ON | NONE | ON | -231 | K4 |
| 1 | ON | OFF | NONE | -241 | K5 |
|  | * ON | OFF | ON* | MS24655-271 | 8866K2 |
|  | NONE | OFF | ON* | -281 | K6 |
|  | ON | OFF | ON* | -311 | K3 |
|  | NONE | ON | ON* | 321 | K81 |
| TWO POLE |  |  |  |  |  |
| 8867 | ON | OFF | ON | MS24656-211 | 8867K1 |
|  | ON | NONE | OFF | -221 | K7 |
|  | ON | NONE | ON | -231 | K4 |
|  | ON | OFF | NONE | -241 | K5 |
|  | * ON | OFF | ON* | MS24656-271 | 8867K2 |
|  | NONE | OFF | ON* | -281 | K6 |
|  | ON | OFF | ON* | -311 | K3 |
|  | NONE | ON | ON* | MS24656-321 | 8867K8 (1) |
|  | ON | ON | ON | -331 | K9 (1) |
|  | ON | ON | ON* | -351 | K10@ |
|  | * ON | ON | ON* | -341 | K11 (1) |

## * Momentary contact.

See page A75 for special circuit diagrams.
(1) Dielectric per MIL-DTL-8834 except limited to 1250 volts. Delayed action of the switch toggle lever may cause circuit to close or open before snap action mechanism trips.
(2) Caution should be exercised during soldering and flux removal. See page A56 for details.

## MIL-DTL-8834 Miniature Positive Action Switches

Solder Lug Terminals

## MOUNTING DIMENSIONS -TWO POLE / 8867

Terminal Identification


Non-functional terminals not supplied.

## PANEL CUTOUT DIMENSIONS



## STANDARD <br> $0.00=$ inches $[0,0]=\mathrm{mm}$

Mounting dimensions for reference only.

MINIATURE POSITIVE ACTION SWITCHES
Series - 8866-8869
MIL-DTL-8834 Miniature Positive Action Switches Solder Lug Terminals
SELECTION TABLE

* Momentary contact.
(1) Dielectric per MIL-DTL-8834 except limited to 1250 volts. Delayed action of the switch toggle lever may cause circuit to close or open before snap action mechanism trips.
(2) Caution should be exercised during soldering and flux removal. See page A56 for details
(3) Furnished with Bonded Seal Feature. (Meets 15' water sealing level requirements.)


Terminal Identification

MOUNTING DIMENSIONS - TWO POLE / 8869


## STANDARD <br> $0.00=$ inches $[0,0]=\mathrm{mm}$

Terminal Identification

## OPTIONS/ACCESSORIES

- Special mounting hardware
- Special marking
- Mounting hardware furnished assembled
- Panel seal, Part Number 32-341
- Lever extensions and attachable tips
- Special circuits
- Special bushing and lever plating
- Mounting adapter nuts
- Custom wire harnesses
- EMI/RFI capability on two pole (large bushing)
- Gold plated contacts


## PANEL CUTOUT DIMENSIONS

## 15/32 DIA. BUSHING



## STANDARD <br> $0.00=$ inches <br> $[0,0]=\mathrm{mm}$

Mounting dimensions for reference only.

