| FEATURE | SPECIFICATIONS | CURRENT RATINGS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - Environmentally sealed | - Environmentally sealed per MIL-DTL-3950 | No. of Poles | Catalog Number | Type of Operation | 28VDC |  |  | 115VAC 60 or 400 Hz |  |  |
| - 2 \& 3 position with maintained and momentary action | - Thermoset molding materials meet flame retardant requirements |  |  |  | Lamp Load | Resistive Load | Inductive Load | Lamp Load | Resistive Load | Inductive Load |
| - Molded-in terminal inserts and terminal numbers | - Bushing: 15/32" - 32 thread <br> - Temperature Range: $-85^{\circ} \mathrm{F}$ to $+160^{\circ} \mathrm{F}$ | 1 | 8500 | Maintained | 5 | 20 | 15 | 3 | 15 | 10 |
|  | (-65 ${ }^{\circ} \mathrm{C}$ to $\left.+71^{\circ} \mathrm{C}\right)$ |  |  | Momentary | 4 | 15 | 10 | 2 | 15 | 7 |
|  | - Life: 20,000 operations at rated load 40,000 operations mechanical life | 2 | 8501 | Maintained | 7 | 20 | 15 | 4 | 15 | 15 |
|  |  |  |  | Momentary | 5 | 18 | 10 | 2 | 11 | 8 |
|  |  | 4 | 8502 | Maintained | 5 | 20 | 12 | 4 | 15 | 15 |
|  |  |  |  | Momentary | 4 | 18 | 10 | 2 | 11 | 8 |

STANDARD LEVER SELECTION TABLE
Minimum Rating: "Intermediate Current" per MLL-DTL-3950.


| CIRCUIT WITH LEVER IN |  |  | ONE POLE |  | TWO POLE |  | FOUR POLE |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Up Position | Center Position | Down Position (Keyway) | MS Part Number | Catalog Number | MS Part Number | Catalog Number | MS Part Number | Catalog Number |
| ON | OFF | ON | MS24523-21 | 8500K1 | MS24524-21 | 8501K1 | MS24525-21 | 8502K1 |
| ON | NONE | OFF | -22 | K9 | -22 | K9 | -22 | K9 |
| ON | NONE | ON | -23 | K4 | -23 | K4 | -23 | K4 |
| ON | OFF | NONE | -24 | K6 | -24 | K6 | -24 | K6 |
| ON | NONE | ON* | MS24523-26 | 8500K5 | MS24524-26 | 8501K5 | MS24525-26 | 8502K5 |
| * ON | OFF | ON* | -27 | K2 | -27 | K2 | -27 | K2 |
| NONE | OFF | ON* | -28 | K7 | -28 | K7 | -28 | K7 |
| ON | NONE | OFF* | -29 | K10 | -29 | K10 | -29 | K10 |
| OFF | NONE | ON* | -30 | K11 | -30 | K11 | -30 | K11 |
| ON | OFF | ON* | MS24523-31 | 8500K3 | MS24524-31 | 8501K3 | MS24525-31 | 8502K3 |
| * ON | ON | NONE | -32 | K12 | -32 | K12 | -32 | K12 |
| ON | ON | NONE | -33 | K13 | -33 | K13 | -33 | K13 |
| ON | ON | ON | - | - | MS27407-1 | 8501K14 | MS27406-1 | 8502K15 |
| ON | ON | ON* | - | - | -2 | K15 | -2 | K16 |
| * ON | ON | ON* | - | - | -3 | K16 | -3 | K17 |
| ON | ON | ON | - | - | -4 | K17 | - | - |
| ON | ON | ON* | - | - | -5 | K18 | - | - |
| * ON | ON | ON* | - | - | -6 | K19 | - | - |

* Momentary contact.

See page A71 for circuit diagrams.

# MILITARY - ENVIRONMENTALLY SEALED SWITCHES MIL-DTL-3950 Toggle Switches 

## MOUNTING DIMENSIONS - ONE POLE / 8500



Terminal Identification
MOUNTING DIMENSIONS -TWO POLE / 8501


| $0.00=$ inches |
| :--- |
| $[0,0]=\mathrm{mm}$ |

Mounting dimensions for reference only.
Non-functional terminals not supplied.


Terminal Identification
Non-functional terminals not supplied.

## OPTIONS/ACCESSORIES

- Special mounting hardware
- Mounting hardware furnished assembled
- Terminal screws furnished assembled
- Special circuits
- Panel seal, part number 32-341 (See Accessories and Custom Components section)
- Special "3 Cateye" luminous lever attachment
- Lever extensions and attachable tips (See Accessories and Custom Components section)
- Custom wiring harnesses


## PANEL CUTOUT

15/32 DIA. BUSHING 0.48
DIA. HOLE


STANDARD
$0.00=$ inches
$[0,0]=\mathrm{mm}$

## Mounting dimensions for reference only.

