The T9 Toggle Switch is an ideal switch for demanding applications. Qualified to MIL-DTL-3950, this high performance switch is a logical choice for use in environments where sealing and resistance to shock and vibration are required. The T9 is particularly suitable for applications in military, offhighway, aviation, commercial and industrial equipment. This compact, environmentally sealed switch is available in single and double pole configurations with a lever lockout option. Circuitry configurations include two or three positions with many combinations of OFF-ON in momentary and maintained action including $\mathrm{ON}-\mathrm{ON}-\mathrm{ON}$.

## Features:

- Qualified to MIL-DTL-3950
- Commercial version is sealed per IP68S
- Lever lockout option available
- Maintained \& momentary toggle action
- Optional panel seal
- RoHS compliant
- Black matte finish available. Contact factory.


## T9 PART NUMBER CODE



Optional Panel Seal P/N C710196, MIL. P/N M5423/16-01


## Lever Lockout Configuration Codes

Figures A thru P are schematics to illustrate lockout configurations and momentary positions. They do not represent details of construction.
A Locked in all three positions
B Locked in Center and Keyway Side position
D Locked out of Center position
E Locked in Center position
F Locked in Opposite Keyway position
G Locked in Keyway Side position
H Locked out of Center and Keyway Side Position J Locked out of Center and Opposite Keyway position K Locked in Center and Opposite Keyway position L Locked out of Keyway Side position M Locked out of and into Opposite Keyway position
N Locked out of Opposite Keyway position
P Locked out of and into Keyway Side position


## COMMERCIAL \& MIL TOGGLE SWITCHES

| Single Po <br> 469-32 UNS TO WITH MOUNTI <br> MOUNTI | A THREAD- .060 OF SURFACE <br> $\varnothing .240 \pm .005$ |  |  |  |  |  | $.38 \pm .02$ $\qquad$ 4 $-.25 \pm .02$ | Low lev | 10 mA @ |  | cial version only) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| OTTO PART NO. | MILITARYNO. | $\begin{aligned} & \text { DASH } \\ & \text { NO. } \end{aligned}$ | CIRCUIT BY TOGGLE LEVER POSITION |  |  | ELECTRICAL RATINGS - SEA LEVEL \& 65,000 FT |  |  |  |  |  |
|  |  |  | KEYWAY | CENTER | $\begin{gathered} \text { OPP. KE YWAY } \\ 2-3 \end{gathered}$ | 28 VDC |  |  | 115 VAC |  |  |
|  |  |  | 1-2 |  |  | LAMP | RESISTIVE | Inductive | LAMP | RESISTIVE | Inductive |
| T9-MSI- | MS24523- | 21 | ON | OFF | ON | 5 | 20 | 15 | 3 | 15 | 10 |
|  |  | 22 | OFF | NONE | ON |  |  |  |  |  |  |
|  |  | 23 | ON | NONE | ON |  |  |  |  |  |  |
|  |  | 24 | NONE | OFF | ON |  |  |  |  |  |  |
|  |  | 25 | NONE | MOM OFF | ON | 4 | 15 | 10 | 2 | 15 | 7 |
|  |  | 26 | MOM ON | NONE | ON |  |  |  |  |  |  |
|  |  | 27 | MOM ON | OFF | MOM ON |  |  |  |  |  |  |
|  |  | 28 | MOM ON | OFF | NONE |  |  |  |  |  |  |
|  |  | 29 | MOM OFF | NONE | ON |  |  |  |  |  |  |
|  |  | 30 | MOM ON | NONE | OFF |  |  |  |  |  |  |
|  |  | 31 | MOM ON | OFF | ON |  |  |  |  |  |  |
| OTTO | MILITARY | DASH | KEYWAY | CENTER$1-2$ | $\begin{gathered} \text { OPP. KE YWAY } \\ 2-3 \end{gathered}$ | 28 VDC |  |  | 115 VAC |  |  |
| PART NO. | NO. | NO. |  |  |  | LAMP | RESISTIVE | INDUCTIVE | LAMP | RESISTIVE | INDUCTIVE |
| T9-MSI- | MS24523- | 32 | NONE | ON | MOM ON | 4 | 15 | 10 | 2 | 15 | 7 |
|  |  | 33 | NONE | ON | ON | 5 | 20 | 15 | 3 | 15 | 10 |

## Lever/Lock Single Pole




| OTTO BASEPART NO. | $\begin{aligned} & \text { MILITARY } \\ & \text { NO. } \end{aligned}$ | $\begin{aligned} & \text { DASH } \\ & \text { NO. } \end{aligned}$ | $\begin{aligned} & \text { AVAILABLE } \\ & \text { LOCKOUTS } \\ & \text { (SEE CHART) } \end{aligned}$ | CIRCUIT By toggle lever position |  |  | ELECTRICAL RATINGS - SEA LEVEL \& 65,000 FT |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $\begin{gathered} \text { KEYWAY } \\ 1-2 \end{gathered}$ | CENTER | $\begin{gathered} \text { OPP. KEYWAY } \\ 2-3 \end{gathered}$ | 28 VDC |  |  | 115 VAC |  |  |
|  |  |  |  |  |  |  | LAMP | RESISTIVE | inductive | LAMP | RESISTIVE | INDUCTIVE |
| T9-MSI- | MS24658- | 21 | ALL | ON | OFF | ON | 5 | 20 | 15 | 3 | 15 | 10 |
|  |  | 22 | D F G | OFF | NONE | ON |  |  |  |  |  |  |
|  |  | 23 | D F G | ON | NONE | ON |  |  |  |  |  |  |
|  |  | 24 | E F K M | NONE | OFF | ON |  |  |  |  |  |  |
|  |  | 25 | F | NONE | OFF (M) | ON | 4 | 15 | 10 | 2 | 15 | 7 |
|  |  | 26 | F | MOM ON | NONE | ON |  |  |  |  |  |  |
|  |  | 27 | E L N | MOM ON | OFF | MOM ON |  |  |  |  |  |  |
|  |  | 28 | E | MOM ON | OFF | NONE |  |  |  |  |  |  |
|  |  | 29 | F | MOM OFF | NONE | ON |  |  |  |  |  |  |
|  |  | 30 | F | MOM ON | NONE | OFF |  |  |  |  |  |  |
|  |  | 31 | E F K L N | MOM ON | OFF | ON |  |  |  |  |  |  |
| OTTO | MILITARY | DASH | $\begin{aligned} & \hline \hline \text { AVAILABLE } \\ & \text { LOCKOUT } \\ & \hline \end{aligned}$ | KEYWAY |  |  | 28 VDC |  |  | 115 VAC |  |  |
| BASE NO. | NO. | NO. |  |  | $1-2$ | $2-3$ | LAMP | RESISTIVE | inductive | LAMP | RESISTIVE | INDUCTIVE |
| T9-MSI - | MS24658- | 32 | , | NONE | ON | MOM ON | 4 | 15 | 10 | 2 | 15 | 7 |
| T9-MS1- |  | 33 | E F K M | NONE | ON | ON | 5 | 20 | 15 | 3 | 15 | 10 |

## COMMERCIAL \& MIL TOGGLE SWITCHES

## PRODUCT FAMILY TABLE

## Double Pole




## COMMERCIAL \& MIL TOGGLE SWITCHES



