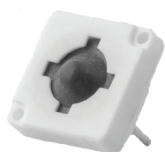


## MD & MDP Series



MD  
(Soft Actuator)



MDP  
(Hard Actuator)

## Features

- **Short travel**
- **Good tactile feedback**
- **Self cleaning**
- **2 actuator materials**
- **RoHS**

## Typical Applications

- **Aircraft**
- **Instrument**
- **Panels**
- **Radio equipment**

## Specification

FUNCTION: Momentary action

CONTACT TYPE: Normally open - SPST

**TERMINALS:** Through hole PCB terminations

## Mechanical

|            | Operating force (N) | Tactile feeling ( $\Delta\%$ ) | Operating life | Travel (mm)        |
|------------|---------------------|--------------------------------|----------------|--------------------|
| <b>MD</b>  | 2,4 N $\pm$ 25%     | $\geq 15\%$                    | 1,000,000      | 0.95 mm $\pm$ 0.35 |
| <b>MDP</b> | 2,6 N $\pm$ 25%     | $\geq 25\%$                    | 200,000        | 0.4 mm $\pm$ 0.25  |

## Electrical

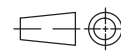
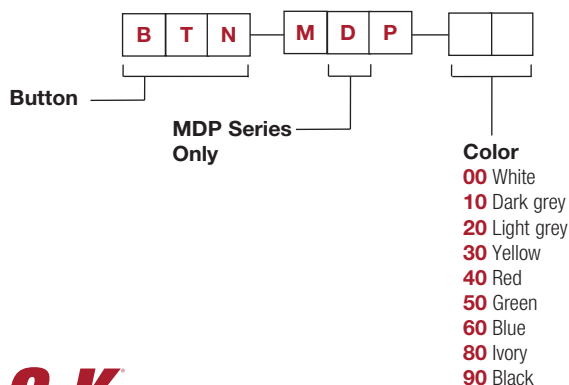
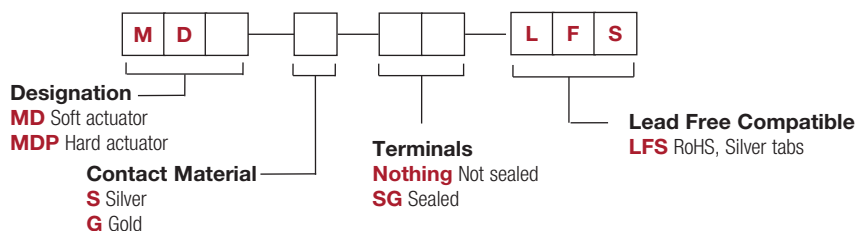
| Electrical             | Silver                      | Gold         |
|------------------------|-----------------------------|--------------|
| MAXIMUM POWER:         | 1.0 VA                      | 0.2 VA       |
| MAXIMUM VOLTAGE:       | 100 VDC                     | 100 VDC      |
| MINIMUM VOLTAGE:       | 20m VDC                     | 20m VDC      |
| MIN/MAX CURRENT:       | 1.0 mA - 100 mA             | 50µA - 50 mA |
| DIELECTRIC STRENGTH:   | ≥ 250 Vrms                  |              |
| CONTACT RESISTANCE:    | ≤ 100 mΩ                    |              |
| INSULATION RESISTANCE: | Initial measurement: ≥ 1 GΩ |              |
| (between terminals)    | After damp heat: ≥ 10 MΩ    |              |
| BOUNCE TIME:           | ≤ 3 ms                      |              |

## Environmental

|                        |               |               |
|------------------------|---------------|---------------|
| <b>Environmental</b>   | Silver        | Gold          |
| OPERATING TEMPERATURE: | -25°C to 70°C | -55°C to 85°C |

## How To Order

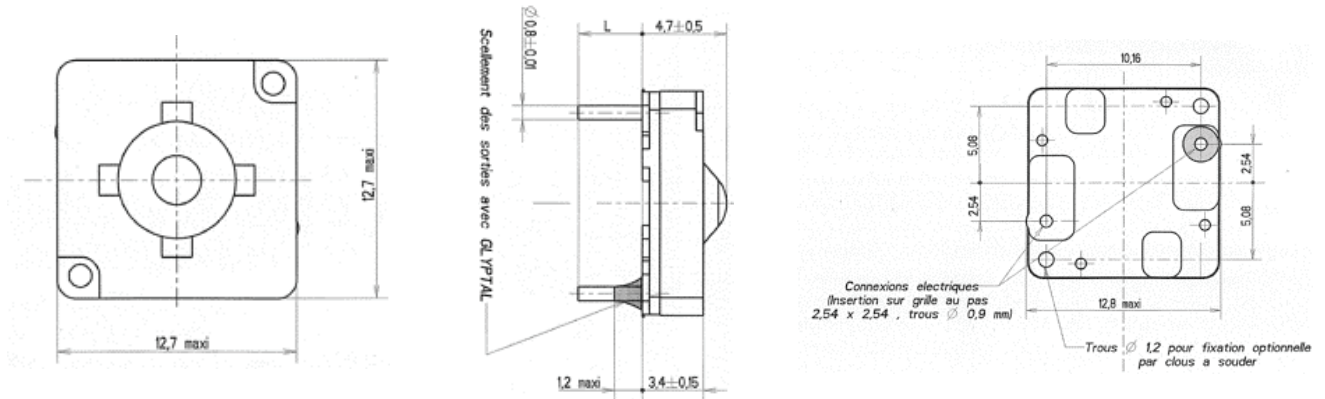
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



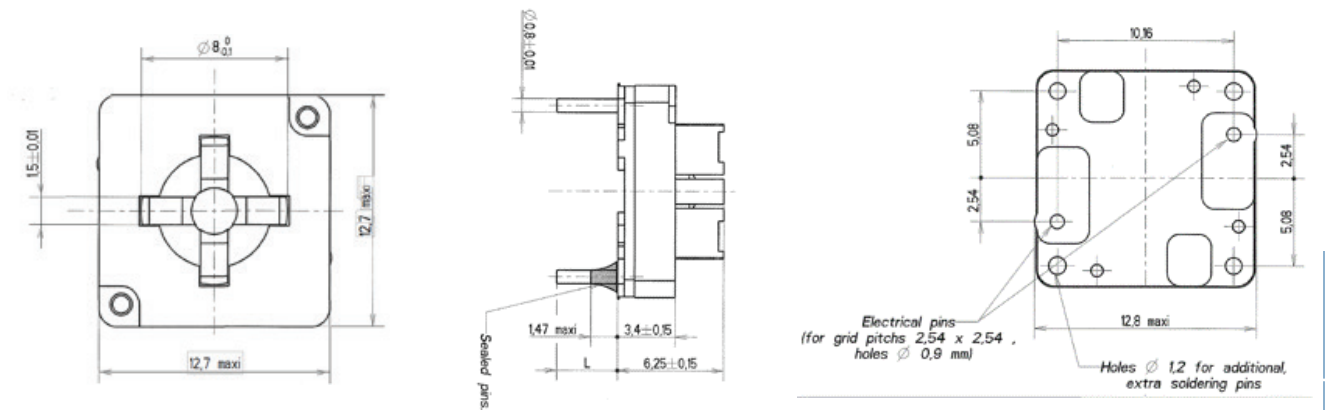
### First Angle Projection

Dimensions are shown: mm  
Specifications and dimensions subject to change

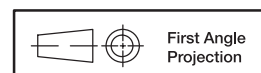
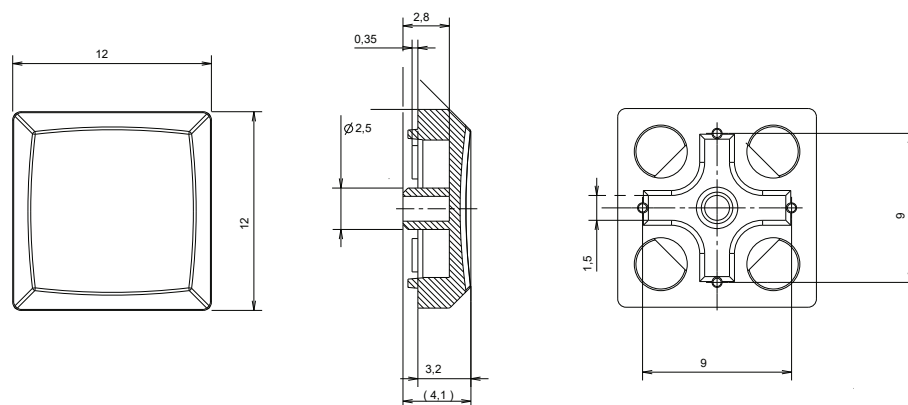
## MD



## MDP



## MDP button



Dimensions are shown: mm  
Specifications and dimensions subject to change

# Mouser Electronics

Authorized Distributor

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