


# PCB & MEC SWITCH SELECTION GUIDE


**ZP**

- Threaded 4.83mm metal bushing
- Single pole, double throw
- Solder lug or PC terminals
- Gold or silver plated contacts
- Epoxy sealed terminals




**SP**

- Plain or threaded bushing
- Washable snap-action momentary pushbutton
- Single or double pole
- Silver or gold plated contacts
- Internally sealed bushing with epoxy sealed terminals




**9100/9200/9500**

- Plain or threaded bushing
- Horizontal or vertical mounting
- Single pole, momentary with several plunger options
- Gold plated brass contacts
- Epoxy and O-ring sealed




**18000**

- Single or double pole
- Snap action momentary
- Tactile feedback
- Gold plated contacts
- Many terminal, mounting and special options available




**SMT TP**

- Surface mount, single pole
- Available with or without positioning pins
- Reflow solderable
- Protected against electrostatic discharge (ESD) up to 10KV
- Washable: Epoxy and O-ring sealed




**TP**

- Single or double pole
- Washable momentary pushbutton with single piece case
- Several contacts and terminal materials available
- Epoxy and O-ring sealed




**TL**

- Single or double pole
- Several lever and case style options
- Washable with single piece case
- Epoxy and O-ring sealed
- Several contact material options




**SMT TL**

- Surface mount, single pole with standard gold plated brass contacts
- With or without positioning pins
- Reflow solderable
- Protected against electrostatic discharge (ESD) up to 10KV
- Washable




**S and SF**

- Single or double pole
- Plain or insulated threaded bushing
- Gold or silver plated contact
- Optional ESD protection
- Internally sealed bushing
- Washable: epoxy sealed




**21000N**

- Single or double pole
- Threaded or smooth bushings, both with mounting plate
- Low profile – same height for single or double pole
- Silver or gold plated brass contacts
- Epoxy and O-ring sealed




**ZL**

- Single pole, 4.83mm threaded bushing
- Solder lug and straight PC terminals
- Gold plated or silver plated contacts
- Epoxy sealed terminals




**7000**

- 1, 2, 3 or 4 pole
- Several mounting configurations
- Wide variety of actuators
- Brass, silver or gold plated contacts with ratings to 6 amps
- VDE, UL and CSA approved




**S and SR**

- Single or double pole
- Straight or right angle PC terminals
- Washable: epoxy sealed
- Brass, silver or gold plated contacts
- Actuators available in a variety of colors




**TR**

- Single or double pole
- Variety of contact materials
- Straight, right angle or wire-wrap PC terminals
- Washable: epoxy and O-ring sealed




**SMT TR**

- Surface mount, single pole
- With or without positioning pins
- Reflow solderable
- Protected against electrostatic discharge (ESD) up to 10KV
- Washable




**MBZ**

- Movement differential  $\leq 0.13\text{mm}$
- Available in NO, NC and change-over functions
- Solder lug or PC terminals
- Wide variety of actuators




**MAB**

- Movement differential  $\leq 0.4\text{mm}$
- Available in NO, NC and change-over functions
- Solder lug, quick connect, PCB and screw terminals available
- Wide variety of actuator styles




**MBB and MDB**

- Movement differential  $\leq 0.2\text{mm}$
- Available in NO, NC and change-over functions
- Solder lug, PC or quick connect terminals
- Plunger, hinge lever or roller lever actuators available




**G**

- Single or double pole, 2 or 3 positions
- Solder lug, straight PC or right angle terminals
- 6 different actuator length available
- Wide variety of contact materials




**25000N**

- Single or double pole
- Wave solderable
- Wide selection of actuator shapes and lengths
- UL 1054 approved




**NK**

- Single pole
- Straight or right angle PC terminals
- Stackable in X and Y directions
- Flushed and raised actuators positioning pins




**TG**

- Single pole
- Straight, right angle or wire-wrap terminal options
- Sealed: Single piece case, epoxy sealed terminals




**SLB**

- Single or double pole
- Positive spring loaded ball detent mechanism
- Vertical or right angle actuators
- Silver plated contacts and terminals




**SMT TG**

- Surface mount, single pole
- With or without positioning pins
- Reflow solderable
- Washable




**M**

- 1,2,4 and 6 pole
- Bifurcated wiping contact design
- Vertical and right angle actuators
- Many actuator styles and lengths available



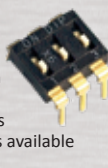
**MSS**

- 1, 2 & 4 pole
- Bifurcated wiping contact design
- Gold or silver plated terminals with reinforced mounting legs
- Epoxy sealed




**IKE**

- Even and odd pole numbers
- Overall height from PCB: THR = 3.2mm, SMT = 3.8mm
- End-stackable
- Self-cleaning wiping contacts
- Raised or recessed actuators available



**IKD**

- Self-cleaning wiping contacts
- Gold plated terminals
- IR and vapor phase reflow soldering compatible
- Gull wing and J bend terminals
- Up to 12 number of ways
- Recessed actuators with top tape seal



**NDS/DP/DA**

- 1 to 12 positions
- Vertical, right angle or piano styles
- Raised or recessed, long or short actuators available
- Epoxy and top tape sealing options



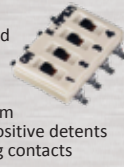
**IKH**

- Low profile for very small PCB space requirements
- 1.27mm terminal to terminal pitch
- Process compatible
- Washable with standard tape seal



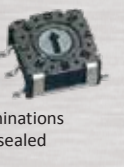
**IKN**

- Low profile with 2, 4, 6 and 8 positions
- Available in THR or SMT
- Overall height from PCB: THR = 4.0m, SMT = 2.85mm
- Recessed actuator with positive detents
- Self-cleaning wipingsliding contacts




**P36**

- Available in THR or SMT
- Ultra compact with 10 or 16 positions
- 3 different actuator types
- Straight or right angle terminations
- Washable: solder and flux sealed



**PT65**

- Available in THR
- 4, 6, 8, 10 & 16 positions
- 4 different actuator types
- Up to 4 code options
- Straight or right angle terminals
- Washable, solder and flux sealed




**UNIMEC - 154XX**

- Available in THR
- IP54 Sealed
- Max 250 mA/120V/9W
- Double pole
- Momentary or latching
- 8 contact functions




**MULTIMEC 3 series - 3C, 3E, 3F**

- Available in THR or SMT
- IP67 Sealed
- 50mA/24VDC
- 10,000,000 operations
- LED option
- Single pole / momentary (NO)




**MULTIMEC 5 series - 5E & 5G**

- Available in THR or SMT
- IP67 Sealed
- 50mA/24VDC
- 10,000,000 operations
- LED option
- Single pole / momentary, NO or NC/NO



**ILLUMEC - 4F**

- Illuminated switch
- Available in THR or SMT
- 50mA/24VDC
- 10,000,000 operations
- Single pole / momentary
- Normally open functions



**ULTRAMEC - 6C**

- Low profile
- J-bend
- IP67 Sealed
- 0.5 - 50mA/24VDC
- Single pole / momentary
- 3,000,000 operations

