

PCB SWITCH SELECTION GUIDE

ZP

- Metal bushing
- Single pole, double throw
- Solder lug or PC terminals
- Gold or silver plated contacts
- · Epoxy sealed terminals



- Plain or threaded bushing
- Washable snap-action momentary pushbutton
- Single or double poleSilver 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 with gold or silver plating
- · Several lever and case styles to choose from
- Washable with single piece case: Epoxy and O-ring sealed



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
- 7000



S and SF

- Single or double pole
- Plain or insulated threaded bushing
 Gold or silver plated contact
- Optional ESD protectionInternally sealed bushing
- Epoxy sealed terminals

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 sealed terminals



Single pole

SMT TR

With or without

positioning pins

Reflow solderable

- and threaded bushing Solder lug and straight PC terminals
- Gold plated or silver plated contacts
- Epoxy sealed terminals

Surface mount, single pole



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

S and SR

- Single or double pole
- Straight or right angle PC terminals
- Washable: epoxy sealedSilver or gold plated contacts
- Rocker or paddle 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

MBB and MDB

change-over functions
• Solder lug, PC or quick connect terminals

Plunger, hinge lever or roller lever actuators availables

Movement differential ≤ 0.2mm
Available in NO, NC and



discharge (ESD) up to 10KV Washable

- 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



MBZ

- Movement differential ≤ 0.13mm Available in NO, NC
- and change-over functions

25000N

- Solder lug or PC terminals
- Wide variety of actuators

Single or double pole

shapes and lengths

UL 1054 approved

• PC terminals only

• Wide selection

of actuator



MAB

- Movement differential ≤ 0.4mm
 Available in NO, NC and
- change-over functions

Straight or right angle

Flushed and raised actuators

Solder lug, quick connect, PCB

Single pole

PC terminals

• Stackable in X

and Y directions

positioning pins

and screw terminals available Wide variety of actuator styles



- 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

Even and odd pole numbers
Overall height from PCB:

Through-hole = 3.2mm, SMT = 3.8mm

- 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



- 1, 2 & 4 pole
- Bifurcated wiping
- contact design

 Gold or silver plated terminals
- with reinforced mounting legs Epoxy sealed



Self-cleaning wiping contacts Raised or recessed actuators available

End-stackable

IKE

- **PT65** Available in THR
- (through-hole reflow) • 4, 6, 8, 10 & 16 positions
- 4 different actuator types
- · Straight or right angle terminals · Washable, solder and flux sealed



soldering compatible • Gull wing and J bend terminals · Recessed actuators with top tape seal

IKD

Self-cleaning contacts

Gold plated terminalsIR and vapor phase reflow

- · Straight or right angle terminations
- · Washable, solder and flux sealed

NDS/DP/DA 2 to 12 positions

- Vertical, right angle or piano styles Raised or recessed,
- long or short actuators available



IKH

- Low profile for very small PCB space requirements
- 1.27mm terminal to terminal pitch

PCB SWITCHES

 Process compatible · Washable with standard tape seal





IKN

- Low profile with 2, 4, 6 and 8 positions
 Through-hole or SMT mounting

• Epoxy and top tape sealing optione

- Overall height from PCB:Through-hole = 4.0m, SMT = 2.85mm
 Recessed actuator with positive detents
 Self-cleaning bifurcated sliding contacts
- PANEL SWITCHES

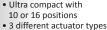


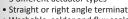


SWITCH PANELS



























MEC SWITCH AND CAP SELECTION GUIDE

MULTIMEC 5 series - 5E & 5G

- Through-hole or SMT mounting
- IP67 Sealed
- 50mA/24VDC
- 10,000,000 operations
- · Single pole / momentary
- NO or NC/NO function

• 7 standard color options





1IS

- Fully-illuminated
- Ø6.5mm
- 7 standard height options
- Transparent or frosted white



1LS

· Illuminated, with lens

· 8 contact functions

• Ø6.5mm

UNIMEC

• IP54 Sealed • Max 250 mA/120V/9W

 Double pole · Momentary or latching

• Through-hole mounting

- 5 standard height options
- 9 standard colors available
- 5 lens colors options



1KS

- Solid or illuminated
- Square, flat cap
- 14.3mm x 14.3mm, h=19.1mm
- · 8 standard colors available

1KBS

- Illuminated
- Convex square cap
- 14.3mm x 14.3mm h=20.2mm



1KCS

- Illuminated
- Concave square cap
- 14.3mm x 14.3mm, h=20.1mm



1TS

- Panel sealed*10.6mm x 10.6mm
- Rounded top surfaceSolid or illuminated
- 5 standard color options
- *add 1TW for IP67 sealing



1VS

- Panel sealed*10.4mm x 13.25mm
- Rounded top surface
- Solid or illuminated
- 5 standard color options *add 1VW for IP65 sealing



1US

- Panel sealed*
- Ø10.6mm · Rounded top surface
- Solid or illuminated
- 5 standard color options *add 1UW for IP67 sealing



1DS

- Solid or illuminated, round cap
- Ø9.6mm, h=14.9mm
- 18 color options
- Standard legends available



1ES

- Illuminated with lens
- Ø9.6mm, h=14.9mm
- 7 standard color options
- 5 lens color options



1FS

- Illuminated with lens
- Ø9.6mm, h=14.9mm
- 5 lens color options
- Standard legends available
- 7 standard color options



1GAS

- · Solid or illuminated
- Flat, round caps perfect
- for using under overlay Ø11mm, h=12.5mm
- · 9 standard color options



1GCS

- Solid or illuminated
- Flat, round caps perfect for using under overlay
- Ø15mm, h=12.5mm
- 9 standard color options



1YS

- for 5E switch only
- Illuminated by board chip LEDs
- Square cap designed
- for using under overlay
 15mm x 15mm, h=12.5mm



1JS

- Solid or illuminated Low, flat caps perfect
- for using under overlay
- Ø9.6mm, h=10.4mm
- 9 standard color options



1XS

- 9 standard color options

Solid or illuminated Rectangular cap • 7.4mm x 9.4mm, h=18.5mm

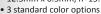
1PS

- · Rectangular, concave cap



1QS

- Illuminated, with rectangular lens
- Rectangular, concave cap
 12.5mm x 6.5mm, h=15.7mm





- Illuminated,
- with round lens
- Rectangular, concave cap
 12.5mm x 6.5mm, h=15.7mm

• 3 standard color options

- 1A/1H/1M/1ZA
- Solid or illuminated
 Multiple color &
- legend options
- Rectangular, rocker-style cap 1A/1H–12.5mm x 10.1mm, h=12.2mm
- 1M-25.0mm x 10.1mm, h=12.2mm • 1ZA-18.65mm x 10.1mm, h=12.2mm

1B/1C + 2C/2D Solid or illuminated Rectangular,

rocker-style cap • 15.1mm x 15.1mm, h=12.2mm Multiple color options



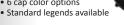
1ZW CONTROLMEC

- Single cap panel sealed for display navigation
- Solid or illuminatedØ29.5mm, h=12.3mm
- 6 cap color optionsStandard legends available



1Z CONTROLMEC

- Single cap
- for display navigation
- Solid or illuminated Ø29.5mm, h=12.0mm
- 6 cap color options





1ZB/1ZCS **NAVIMEC**

- Designed for display navigation
- Solid or illuminated • 1ZB - 90º, R=17.5mm h=12.2mm
- Standard legends available
- solid or illuminated bezel
- Cap: 6.1mm x 12.4mm • Bezel: 15.1mm x 15.1mm, h=16 0mm-20 5mm
- 1ZCS Ø14.3mm, h=11.7mm

1NS

- Solid or illuminated
- Teardrop-shaped cap
- 13.3mm x 11.0mm, h=14.9mm 3 standard

colors available



- 1WAS/1WPS Solid or illuminated
- Ellipse-shaped,
- convex or concave • 6.5mm x 12.5mm, h=15.0mm-15.7mm



- 1WDS Solid or illuminated
- · Ellipse-shaped, convex top cap
- 8.0mm x 15.3mm, h=15.0mm • 10 standard colors

available



16300 UNIMEC

- Rectangular solid cap & square
- 7 standard color options
- Standard keycap legends available



7 standard color options

Standard legends available

• 14.9mm x 14.9mm,

h=14 6mm



10R/10RF/10RM

- Large round cap
- Optional metal legend · Solid or illuminated
- Ø30mm, h=11mm • 8 standard color options



10Q/10QM

- Large square cap
- · Optional metal legend · Solid or illuminated
- 22mm x 22mm. h=11mm 8 standard color















PCB SWITCHES