Pushbutton Switches

Ultra Miniature







Specifications:

Maximum contact rating
Mechanical life
Contact resistance
Minimum insulation resistance
Dielectric strength
Operating temperature
Degree of protection

Materials:

Housing and Base	: Glass filled nylon 6/6 or 4/6, flame retardant, heat stabilized
Actuator	: Glass filled nylon 6/6, flame retardant, heat stabilized with standard internal o-ring seal
Switch Support	: Steel, white nickel plate
Contacts / Terminals	: Sliver plate plated copper alloy

: 0.4 VA at 20 V AC or DC : 40,000 make-and-break cycles

: 500Vrms at sea level : -30°C to +85°C

: 500MΩ

: IP67

: Below 100m Ω typical initial at 2 to 4 V DC, 100mA

Switch Function

	Model Number	Switch Function		Connected Terminals / Schematic			
Number of Poles		Position 1 Position 2		Position 1	Position 2		
				1	1		
SP	MC8US8	ON	МОМ	5-6 5(Comm) NC4• 6NO	5-4 +5(Comm) NC 4+ +6 NO		
0.	MC8US9	OFF	МОМ	Open	4-6 4 ↑ €		
DP	MC8UD8	ON	МОМ	2-3, 5-6 NC 1+ 3 NO NC 4+ 6 NO	2-1, 5-4 NC 1 • 3 ND NC 4 • 6 NO		
	MC8UD9	OFF	МОМ	Open	1-3, 4-6 1 [†] [†] 3 4 [†] [†] 6		

MOM = Momentary

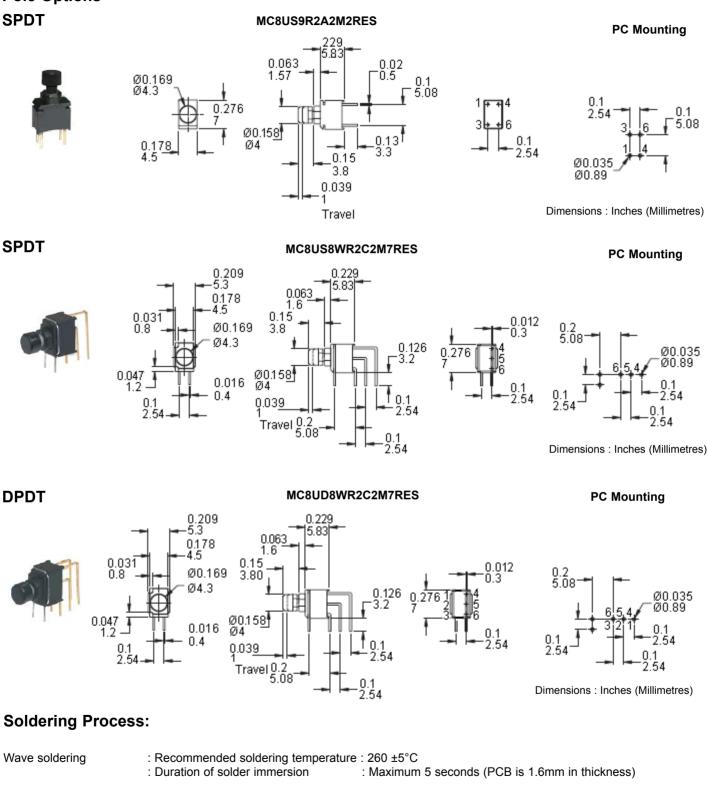
www.element14.com www.farnell.com www.newark.com



Pushbutton Switches

Ultra Miniature





Soldering : Vapour phase

www.element14.com www.farnell.com www.newark.com



multicomp

Pushbutton Switches

Ultra Miniature



Part Number Table

Description	Part Number
Switch, SPDT, Off-MOM, PCB, Sealed	MC8US9R2A2M6RES
Switch, SPDT, Off-MOM, Right / Angle, Sealed	MC8US9R2A2M7RES
Switch, SPDT, Off-MOM, Vert Right / Angle, Sealed	MC8US9R2A2M2RES
Switch, SPDT, On-MOM, Right / Angle, Sealed	MC8US8WR2C2M7RES
Switch, DPDT, On-MOM, Right / Angle, Sealed	MC8UD8WR2C2M7RES
Switch, DPST, Off-MOM, PCB, Sealed	MC8UD9R2A2M2RES
Switch, DPST, Off-MOM, Right / Angle, Sealed	MC8UD9R2A2M6RES
Switch, DPST, Off-MOM, Vert Right / Angle, Sealed	MC8UD9R2A2M7RES

Part Number Explanation:

MC8US8	WR2	<u>C2</u>	<u>M7</u>	R 	Ē	S 		
 Model Number	Actuator	Bushing	Terminations	 Terminal Material	Seal	RoHS Soldering		
Model Number Actuator Bushing Terminations Terminal Material Seal RoHS Soldering	: MC8US8 = SP On-Mom, MC8UD8 = DP On-Mom, MC8US9 = SP Off-Mom and MC8UD9 = DP Off-Mom : WR2 = CAP (Black std), R2 = CAP (Black std) : C2 = 1.6 high (STD) : M2 = PC thru-hole, M6 = Right angle, PC thru-hole and M7 = Vertical right angle, PC thru-hole : R = Gold : E = Epoxy (std) : S = RoHS and Lead Free							

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Famell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2011.

