
















# Switch Selection Guide

Model	Basic Snap Action Switch		Sealed Snap Action Switch				Sealed Snap Action Switch with Cable	
	MP40	MP40-Z	MP90	MP110	MP110-Z	MP100	MP210	MP215
								
<b>Characteristics</b>	Precise snap action switch available with very low force		Sealed snap action switch	Switch with various protections	Protective Terminal Cover for field wiring	Sealed Socket with cable	Limit switch with SPDT and DPDT possibility	Reinforced switch for IP68
<b>Protection (case)</b>	IP40		IP67	IP67			IP67	IP68
<b>Protection (contact)</b>	IP00		IP00	IP00	IP64	IP67	IP67	IP68
<b>Termination</b>	Screw/Soldering lugs		Screw lugs	Push on clips (AMP)	Cable	Cable / Leads	Cable / Leads	Cable
<b>Power rating</b>	10A/400VAC (15A/250VAC)		10A/400VAC (15A/250VAC)		10A/400VAC (15A/250VAC)		10A/400VAC (15A/250VAC)	10A/400VAC (15A/250VAC)
<b>Operating force range (N)</b>	0.2 - 6.0		0.2 - 6.0		0.2 - 6.0		0.2 - 6.0	12.5
<b>Max operating temperature</b>	-40°C / +130°C -40°F / +266°F		-40°C / +130°C -40°F / +266°F		-40°C / +130°C -40°F / +266°F		-40°C / +130°C -40°F / +266°F	-40°C / +130°C -40°F / +266°F
<b>Mechanical Life</b>	50 x 10E6		50 x 10E6		50 x 10E6		50 x 10E6	50 x 10E6
<b>Dimensions</b>	49 x 21 x 17 mm 1.93 x 0.83 x 0.67 in	49 x 28 x 17 mm 1.93 x 1.10 x 0.67 in	49 x 25 x 17.5 mm 1.93 x 0.98 x 0.69 in	49 x 21.5 x 17.5 mm 1.93 x 0.85 x 0.69 in	74 x 49 x 17.5 mm 2.91 x 1.93 x 0.69 in	49 x 43 x 17.5 mm 1.93 x 1.69 x 0.69 in	49 x 35 x 17.5 mm 1.93 x 1.38 x 0.69 in	49 x 35 x 17.5 mm 1.93 x 1.38 x 0.69 in
<b>Standards</b>	EN61058		EN61058		EN61058		EN61058, CSA C22.2	EN61058, CSA C22.2

Model	Sealed Miniature Switch with Cable			Sealed Sub-Miniature Switch		Limit and Security Switch	
	MP310	MP320	MP320ATEX	MP400	MP500	MP700	MP800
							
<b>Characteristics</b>	Sealed switch with small differential travel and and large temp range	Sealed switch with small differential travel and and large actuator range	Sealed snap action switch for explosive atmosphere	Sub miniature with multiple cable / lead options	Sub miniature with very small differential travel	Limit switch with cable	Limit and security switch
<b>Protection</b>	IP67	IP67	IP67	IP67	IP67	IP67	IP66
<b>Termination</b>	Cable / Leads	Cable / Leads	Cable	Cable / Leads	Cable / Solder / PCB	Cable / Connector	Screw
<b>Power rating</b>	6A/250VAC	6A/250VAC	6A/250VAC	5A/250VAC	5A/250VAC	AC-15 3A DC-13 0.27A Thermal current 6A	AC-15 3A DC-13 0.27A Thermal current 10A
<b>Operating force range (N)</b>		1.3 - 4.0		1.0 - 2.5			
<b>Max operating temperature</b>	-40°C / +130°C -40°F / +266°F	-40°C / +130°C -40°F / +266°F	-15°C / +80°C +5°F / +176°F	-40°C / +105°C -40°F / +221°F	-40°C / +105°C -40°F / +221°F	-40°C / +130°C -40°F / +266°F	-25°C / +70°C -13°F / +158°F
<b>Mechanical Life</b>	50 x 10E6	50 x 10E6	50 x 10E6	10 x 10E6	10 x 10E6	10 x 10E6	30 x 10E6
<b>Dimensions</b>	31 x 24 x 10.3 mm 1.22 x 0.94 x 0.41 in	31 x 29 x 10.3 mm 1.22 x 1.14 x 0.41 in	31 x 29 x 10.3 mm 1.22 x 1.14 x 0.41 in	20 x 16 x 6.5 mm 0.79 x 0.63 x 0.26 in		50 x 30 x 16 mm 1.97 x 1.18 x 0.63 in	EN50041 EN50047
<b>Standards</b>	EN61058, CSA C22.2, UL 1054		EN61058, CSA C22.2, UL 1054	EN61058	EN61058	IEC 947-5-1	IEC 947-5-1