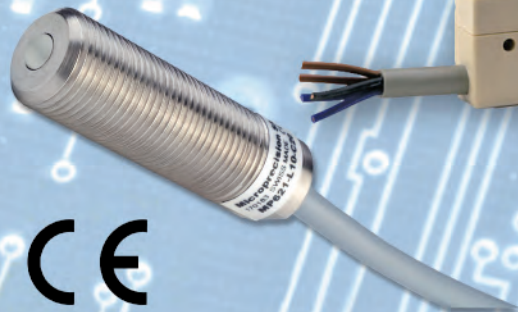








Standard and custom electromechanical components






If your application depends on it

Switch Selection Guide













Switch Selection Guide

Model	Basic Snap Action Switch		Sealed Snap Action Switch	
	MP40	MP40-Z	MP90	MP110
				
Characteristics	Precise snap action switch available with very low force		Sealed snap action switch	Switch with various protections
Protection (case)	IP40		IP67	IP67
Protection (contact)	IP00		IP00	IP00
Termination	Screw/Soldering lugs		Screw lugs	Push on clips (AMP)
Power rating	15A/250VAC		10A/400VAC 15A/250VAC	10A/400VAC 15A/250VAC
Operating force range (N)	0.2 - 6.0		0.2 - 6.0	0.2 - 6.0
Max operating temperature	-40°C /+130°C -40°F /+266°F		-40°C /+130°C -40°F /+266°F	-40°C /+130°C -40°F /+266°F
Mechanical Life	50 x 10E6		50 x 10E6	50 x 10E6
Dimensions	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
Standards	EN61058, UL61058		EN61058, UL61058	EN61058, UL61058

Sealed Snap Action Switch		Sealed Snap Action Switch with Potted Cable		
MP110-Z	MP100	MP210	MP215	MP220
				
Protective Terminal Cover for field wiring	Sealed Socket with cable	Limit switch with single pole double throw	Reinforced switch for IP68	Limit switch with single pole double break
IP64	IP67	IP67	IP68	IP67
Cable	Cable / Leads	Cable / Leads	Cable	Cable / Leads
10A/400VAC 15A/250VAC		10A/400V 15A/250VAC	10A/400V 15A/250VAC	10A/250VAC
0.2 - 6.0		0.2 - 6.0	12.5	0.2-6.0
-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
50 x 10E6		50 x 10E6	50 x 10E6	50 x 10E6
49 x 49 x 17.5 mm 1.93 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	49 x 35 x 17.5 mm 1.93 x 1.38 x 0.69 in
EN61058, UL61058		EN61058, UL61058	EN61058, UL61058	EN61058, UL61058

Switch Selection Guide

Model	Sealed Miniature Switch with Cable			Sealed Sub-Miniature Switch
	MP310	MP320	MP320ATEX	MP400
				
Characteristics	Sealed switch with small differential travel and large temp range	Sealed switch with small differential travel and large actuator selection	Sealed snap action switch for explosive atmosphere	Sub miniature with multiple cable / lead options
Protection	IP67	IP67	IP67	IP67
Termination	Cable / Leads	Cable / Leads	Cable	Cable / Leads
Power rating	6A/250VAC	6A/250VAC	6A/250VAC	5A/250VAC
Operating force range (N)	1.3 - 4.0			1.0 - 2.5
Max operating temperature	-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
Mechanical Life	50 x 10E6	50 x 10E6	50 x 10E6	10 x 10E6
Dimensions	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
Standards	EN61058, UL61058	EN61058, UL61058	 II 3D / Ex t IIIB 84°C Dc	EN61058, UL61058

Sealed Sub-Miniature Switch	Sensor	Limit and Security Switch		
MP500	MP600	MP700	MP800	MP900
				
Sub miniature with very small differential travel	Mechanical position sensors	Limit switch with cable	Limit and security switch	Emergency Stop Button
IP67	IP67	IP67	IP66	IP65
Cable / Solder / PCB	Cable / Connector	Cable / Connector	Screw	Screw
5A/250VAC	max 200mA / 30VDC	AC-15 3A DC-13 0.27A Thermal current 6A	AC-15 3A DC-13 0.27A Thermal current 10A	AC-15 6A DC-13 0.27A Thermal current 10A
1.0 - 2.5	max. 1.5 N to open NC max. 2 N to close NO			
-40°C /+105°C -40°F /+221°F	-40°C /+130°C -40°F /+266°F	-40°C /+130°C -40°F /+266°F	-25°C /+70°C -13°F /+158°F	-25°C /+70°C -13°F /+158°F
10 x 10E6	10 x 10E6	10 x 10E6	30 x 10E6	3 x 10E5
20 x 16 x 6.5 mm 0.79 x 0.63 x 0.26 in	Ø M8x0.75 x 35mm Ø M12x1 x 35mm	50 x 30 x 16 mm 1.97 x 1.18 x 0.63 in	EN50041 EN50047	
EN61058, UL61058		IEC 947-5-1, UL508	IEC 947-5-1, UL508	IEC 947-5-1, UL508

Microprecision manufactures electromechanical and electronic components since more than 60 years.

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