Limit Switches
Selection Guide
Class 9007 Industrial Snap Switches and Miniature Industrial Switches

Design	Industrial Snap Switch	Miniature Switch	Miniature Enclosed Reed	Heavy Duty Industrial, Precision Oiltight
Catalog Number Prefix	**9007A 9007C**	**9007MS 9007ML**	**9007XA**	**9007AW**
Description	Industrial snap switches with or without operators	Miniature enclosed switches, potted and pre-wired with cable. Unique rotary head. 9007 ML has double break contacts.	Miniature enclosed switches, potted and pre-wired with cable. Reed contacts for superior low-energy switching.	Precision oil tight enclosed switches with unique features, micrometer adjustable and low temperature operation.
Enclosure Material	Plastic	Metal bodies, metal head	Metal bodies, metal head	Metal bodies, metal heads
Enclosure Rating	None	NEMA: Types 1, 2, 4, 6, 6P, 12, 13 IEC: IP67	NEMA: Types 1, 2, 4, 6, 6P, 12, 13	NEMA: Types 1, 2, 4, 6, 6P, 12, 13
Approximate Body Dimensions, mm (in.)	29.0 x 63.5 x 21.0 (1.14 x 2.5 x 0.83)	40.1 x 44.4 x 15.8 (1.58 x 1.75 x 0.62)	40.1 x 44.2 x 16.0 1.58 x 1.74 x 0.63)	36.6 x 98.5 x 63.5 (1.44 x 3.88 x 2.5)
Heads	Linear	Linear or Rotary	Linear or Rotary	Linear or Rotary
Contact Blocks				
N.C. + N.O. snap action	X	X	N.O. or N.C.	X
N.C. + N.O. break before make, slow break				
N.O. + N.C. make before break, slow break				
N.C. + N.C. simultaneous, slow break				
N.O. + N.O. simultaneous, slow break				
C/O snap action				
C/O slow break				
N.C. + N.C. 2-step, slow break				
N.O. + N.O. 2-step, slow break				
N.C. + N.C. snap action				
N.O. + N.C. slow make, slow break				
Cabling		Pre-wired cable, M12 Connector option available.	Pre-wired cable.	
Temperature Range	-65 to +221 °F (-54 to +105 °C)	-40 to +221 °F (-40 to +105 °C)	-20 to + 140 °F (-29 to +60 °C)	0 to +185 °F (-17.8 to 85 °C) Lever operated: -65 to +185 °F (-54 to 85 °C)
Additional Features	A variety of operators are available, page 152	Bottom or side cable entry. Full range of operating heads, page 156.	Bottom cable entry. Three common operating heads, page 160.	Most common operating heads. Micrometer adjustable push rod plunger. Uses 9007C levers, page 190.

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