



Applicable Auto Switches/Refer to pages 1119 to 1245 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length [m]				Pre-wired connector	Applicable load	
					DC	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)			
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC
				3-wire (PNP)				M9PV	M9P	●	●	●	○	○	
	2-wire			12 V	M9BV	M9B	●	●	●	○	○	—			
	3-wire (NPN)			5 V, 12 V	M9NVV	M9NV	●	●	●	○	○	IC			
	3-wire (PNP)				M9PVV	M9PW	●	●	●	○	○				
	Water resistant (2-color indicator)			2-wire	5 V, 12 V	M9BVV	M9BW	●	●	●	○	○	—		
12 V		M9NAV *1	M9NA *1		○	○	●	○	○	IC					
Reed auto switch	—	Grommet	None	3-wire (Equiv. to NPN)	24 V	5 V	—	A96V	A96		●	—	●	—	IC
				2-wire				12 V	100 V	A93V *2	A93	●	●	●	
						100 V or less		A90V	A90	●	—	●	—	IC	

- * 1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. The use of water resistant auto switches is recommended when operating in water resistant environment.
- * 2 1 m type lead wire is only applicable to D-A93.
- * Lead wire length symbols: 0.5 m Nil (Example) M9NW
 1 m M (Example) M9NWM
 3 m L (Example) M9NWL
 5 m Z (Example) M9NWZ
- * Solid state auto switches marked with "○" are produced upon receipt of order.
- * Since there are other applicable auto switches than listed, refer to page 167 for details.
- * For details about auto switches with pre-wired connector, refer to pages 1192 and 1193.
- * Auto switches are shipped together, (but not assembled).

Made to Order

Made to Order: Individual Specifications (For details, refer to pages 168 to 172.)

Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food processing equipment
-X11	Long adjustment bolt (Longer adjustment range by 10 mm)
-X12	Long adjustment bolt (Longer adjustment range by 20 mm)
-X27	Centralized adjuster
-X28	Long adjustment nut and bolt
-X33	Without built-in auto switch magnet
-X39	Fluororubber seal
-X42	Anti-corrosive guide unit
-X45	EPDM seal

Standard Stroke

Model	Standard stroke [mm]
MXQ6A	10, 20, 30, 40, 50
MXQ8A	10, 20, 30, 40, 50, 75
MXQ12A	10, 20, 30, 40, 50, 75, 100
MXQ16A	10, 20, 30, 40, 50, 75, 100, 125
MXQ20A	10, 20, 30, 40, 50, 75, 100, 125, 150
MXQ25A	10, 20, 30, 40, 50, 75, 100, 125, 150 *

(Note) * Operating speed range is 50 to 300 mm/s. (Without stroke adjuster)

- MXH**
- MXS**
- MXQ□**
- MXQ**
- MXF**
- MXW**
- MXJ**
- MPX**
- MXY**
- MTS**

- D-□**
- X□**