Heat Resistant 2-Color Indicator Solid State Auto Switch Direct Mounting Type (



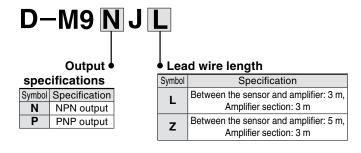


[mm]

◆ Heat resistant (Max. 302°F [150°C]) type added to the D-M9□ compact auto switch.

Choice of output types: PNP, NPN

How to Order







Auto Switch Specifications

D 110111 D 110								
D-M9NJ, D-M9PJ (With indicator light)								
Auto switch model	D-M9NJ	D-M9PJ						
Output type	NPN	PNP						
Power supply voltage	5, 12, 24 VDC (4.5 to 28 V)							
Current consumption	25 mA or less							
Load voltage	28 VDC or less	_						
Load current	40 mA or less							
Internal voltage drop	0.8 V or less							
Leakage current	100 μA or less at 24 VDC							
Indicator light	Operating range ······ Red LED lights up. Optimum operating range ····· Green LED lights up							
Ambient temperature	Sensor section: 32 to 302°F [0 to 150°C] Amplifier section: 32 to 140°F [0 to 60°C]							
Impact resistance	Sensor section: 1000 m/s ² Amplifier section: 300 m/s ²							
Standards	CE marking, RoHS							

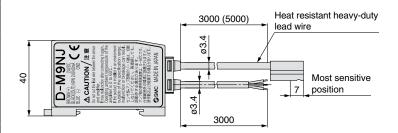
Dimensions

Indicator light

17.5

(64.5)

0.7



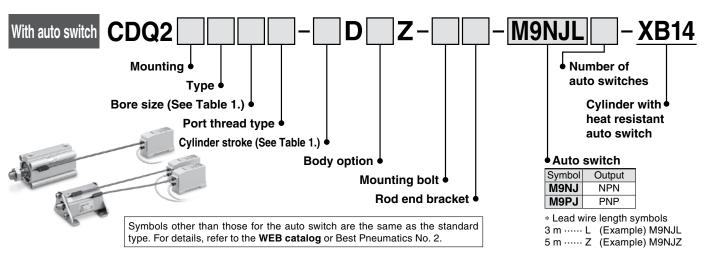
Cylinder with Heat Resistant Auto Switch: -XB14 (Made to Order)

Applicable Cylinder

	Series	Description Model	Model	Action	Applicable bore size [mm]						Note	
			Model		16	20	25	32	40	50	63	Note
	CDQ2	Compact cylinder	CDQ2-XB14	Double acting, Single rod	•	•	•	•	•	•	•	Except with rubber bumper



How to Order



Specifications

Ambient and fluid temperature range	32 to 302°F [0 to 150°C]				
Seal material	Fluororubber				
Grease	Heat resistant grease				
Standard stroke	See Table 1. See below.				
Dimensions					
Specifications other than above	Same as standard type				

Table 1 Cylinder Strokes

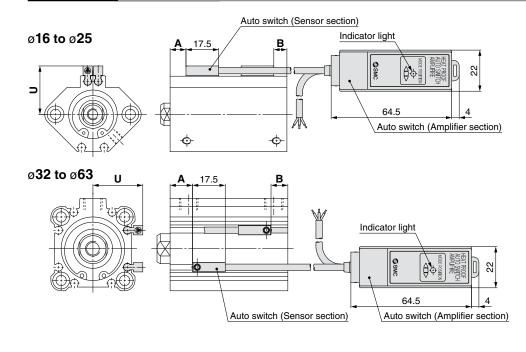
Bore size

16 20, 25

[mm] Stroke 15, 20, 25, 30 15, 20, 25, 30, 35, 40, 45, 50

32 to 63 15, 20, 25, 30, 35, 40, 45, 50, 75, 100 Manufacturing of intermediate strokes Intermediate strokes in 1 mm increments are available by using spacers with standard stroke cylinders.

Dimensions (Dimensions other than those shown below are the same as the standard type. Refer to the WEB catalog or Best Pneumatics No. 2.)



Auto Switch Proper Mounting Position (Detection at stroke end) and Its Mounting Height

Auto switch	D-M9□J					
Bore size model	Α	В	U			
16	9.5	7	21			
20	9.5	8.5	23.5			
25	9.5	9	27			
32	11	8	29			
40	15	10.5	31			
50	13	13.5	36			
63	15.5	16.5	41.5			

Note) Adjust the auto switch after confirming the operating condition in the actual setting.

Operating Range [mm										
Auto switch	Bore size									
model	16	20	25	32	40	50	63			
D-M9NJ□ D-M9PJ□	4.5	4.5	4.5	5	4.5	5	5			

* Since the operating range is provided as a guideline at room temperature, it cannot be guaranteed. It may change substantially depending on the ambient environment.

🔨 Safety Instructions Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and "Operation Manual" before use.



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