

Solid State Auto Switch Direct Mounting Type

Produced upon receipt of order



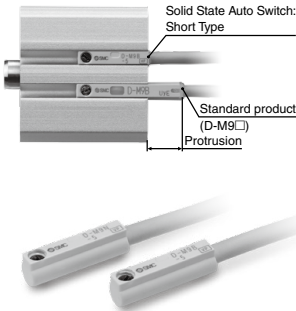
D-M9N-5/D-M9P-5/D-M9B-5



Refer to SMC website for the details of the products conforming to the international standards.

Grommet

- Overall length reduced by 32%
22 mm → 15 mm
- Specifications are the same as those of the standard product (D-M9□).
- Protrusion from the actuator end surface has been reduced.



Auto Switch Specifications

PLC: Programmable Logic Controller

Auto switch model	D-M9N□-5	D-M9P□-5	D-M9B□-5
Wiring type	3-wire		2-wire
Output type	NPN	PNP	—
Applicable load	IC circuit, Relay, PLC		24 VDC relay, PLC
Power supply voltage	5, 12, 24 VDC (4.5 to 28 V)		—
Current consumption	10 mA or less		—
Load voltage	28 VDC or less	—	24 VDC (10 to 28 VDC)
Load current	40 mA or less		2.5 to 40 mA
Internal voltage drop	0.8 V or less at 10 mA (2 V or less at 40 mA)		4 V or less
Leakage current	100 μA or less at 24 VDC		0.8 mA or less
Indicator light	Red LED lights up when turned ON.		
Standards	CE/UKCA marking		

Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		D-M9N□-5	D-M9P□-5	D-M9B□-5
Sheath	Outside diameter [mm]	ø2.6		
Insulator	Number of cores	3 cores (Brown/Blue/Black)	2 cores (Brown/Blue)	
	Outside diameter [mm]	ø0.88		
Conductor	Effective area [mm ²]	0.15		
	Strand diameter [mm]	ø0.05		
Min. bending radius [mm] (Reference value)		17		

Note 1) Refer to page 1298 for solid state auto switch common specifications.
Note 2) Refer to page 1298 for lead wire lengths.

Caution

Precautions

Fix the auto switch with the existing screw installed on the auto switch body. The auto switch may be damaged if a screw other than the one supplied is used.

Weight

(g)

Auto switch model		D-M9N□-5	D-M9P□-5	D-M9B□-5
Lead wire length	0.5 m (Nil)	7	6	6
	1 m (M)	13	11	11
	3 m (L)	35	31	31
	5 m (Z)	57	51	51

How to Order

D-M9 B L - 5

Wiring/ Output type		Lead wire length	
B	2-wire	Nil	0.5 m
N	3-wire, NPN	M	1 m
P	3-wire, PNP	L	3 m
		Z	5 m

Dimensions

(mm)

