Solid State Auto Switch Direct Mounting Type D-F8N/D-F8P/D-F8B





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.

Auto Switch Specifications

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

PLC: Programmable Logic Controller

D-F8 (With indicator light)							
		D-F8P	D-F8B				
Auto switch model D-F8N		D-FoP	D-FOD				
Electrical entry direction	Perpendicular	Perpendicular	Perpendicular				
Wiring type	3-w	2-wire					
Output type	NPN	PNP	—				
Applicable load	IC circuit, 24 VI	24 VDC relay, PLC					
Power supply voltage	5, 12, 24 VDC (—					
Current consumption	10 mA	—					
Load voltage	28 VDC or less	—	24 VDC (10 to 28 VDC)				
Load current	40 mA or less	80 mA or less	2.5 to 40 mA				
Internal voltage drop	1.5 V or less (0.8 V or less at 10 mA load current)	0.8 V or less	4 V or less				
Leakage current	100 μA or less at 24 VDC		0.8 mA or less at 24 VDC				
Indicator light	Red LED illuminates when turned ON.						
Standard	CE marking, RoHS						

Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		D-F8N	D-F8P	D-F8B	
Sheath	Outside diameter [mm]	ø2.7			
Insulator	Number of cores	3 cores (Brown/Blue/Black)		2 cores (Brown/Blue)	
	Outside diameter [mm]	ø0.91		ø0.96	
Conductor	Effective area [mm ²]	0.15		0.18	
	Strand diameter [mm]	ø0.08			
Minimum bending radius [mm] (Reference values)		17			

Note 1) Refer to page 1584 for solid state auto switch common specifications.

Note 2) Refer to page 1584 for lead wire lengths.

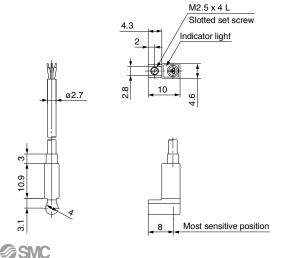
Weight

(g)

Auto switch model		D-F8N	D-F8P	D-F8B
Lead wire length	0.5 m (Nil)		7	
	3 m (L)		32	
	5 m (Z)		52	

Dimensions

D-F8N/D-F8P/D-F8B



(mm)