# Solid State Auto Switch Tie-rod Mounting Type D-F59/D-F5P/D-J59



#### Grommet



## **Auto Switch Specifications**

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

			PLC: Programmable Logic Controller				
D-F5 , D-J59 (With indicator light)							
Auto switch model	D-F59	D-F5P	D-J59				
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 VDC)		—				
Current consumption	10 mA or less		—				
Load voltage	28 VDC or less	—	24 VDC (10 to 28 VDC)				
Load current	40 mA or less	80 mA or less	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-F59	D-F5P	D-J59		
Sheath	Outside diameter [mm]	ø4				
Insulator	Number of cores	3 cores (Brown/Blue/Black)		2 cores (Brown/Blue)		
	Outside diameter [mm]	ø1.22				
Conductor	Effective area [mm <sup>2</sup> ]	0.3				
	Strand diameter [mm]	ø0.08				
Minimum bending radius [mm] (Reference values)			24			

Note 1) Refer to page 1584 for solid state auto switch common specifications. Note 2) Refer to page 1584 for lead wire lengths.

## Weight

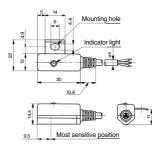
(g)

(mm)

Auto switch model		D-F59	D-F5P	D-J59
Lead wire length	0.5 m ( <b>Nil</b> )	23		21
	3 m ( <b>L</b> )	81		71
	5 m ( <b>Z</b> )	127		111

### Dimensions

## D-F59/D-F5P/D-J59



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