

2-Color Indicator with Diagnostic Output Solid State Auto Switch: Band Mounting Type D-G59F



Grommet

Since the diagnostic output signal can be detected in the red display area, the difference of detecting position can be confirmed by the side of PLC (Programmable Logic Controller).



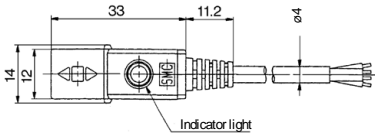
Auto Switch Specifications

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

PLC: Programmable Logic Controller

D-G59F (With indicator light)	
Auto switch model	D-G59F
Wiring type	4-wire
Output type	NPN
Diagnostic output	Normal operation
Applicable load	IC circuit, Relay, PLC
Power voltage	5, 12, 24 VDC (4.5 to 28 VDC)
Current consumption	10 mA or less
Load voltage	28 VDC or less
Load current	50 mA or less at the total amount of normal output and diagnostic output
Internal voltage drop	1.5 V or less (0.8 V or less at 5 mA)
Current leakage	100 μ A or less at 24 VDC
Indicator light	Operating range Red LED illuminates. Proper operating range Green LED illuminates.
Standard	CE/UKCA marking

Dimensions



Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		D-G59F
Sheath	Outside diameter [mm]	ϕ 4
Insulator	Number of cores	4 cores (Brown/Blue/Black/Orange)
	Outside diameter [mm]	ϕ 1.29
Conductor	Effective area [mm ²]	0.3
	Strand diameter [mm]	ϕ 0.08
Minimum bending radius [mm] (Reference only)	Lead wire lengths.	24

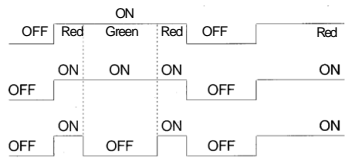
Weight

(g)

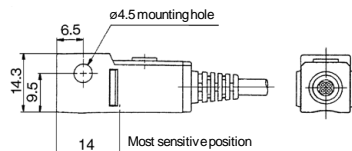
Auto switch model		D-G59F
Lead wire length	0.5 m (Nil)	20
	3 m (L)	74
	5 m (Z)	117

Diagnostic Output Operation

The diagnostic output signal is output within the red display area (where indicator light is Red), and the diagnostic output becomes OFF when the detecting position remains OUT within the proper operating range (where indicator is Green). When the detecting position is not adjusted, the diagnostic output becomes ON.



(mm)



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