

Reed Auto Switch Direct Mounting Style D-90A/D-93A



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

**Grommet
Lead wire: Heavy-duty cord**



Auto Switch Specifications

PLC: Programmable Logic Controller

D-90A (Without indicator light)	
Auto switch model	D-90A
Applicable load	Relay, IC circuit, PLC
Load voltage	5 VAC 5 VDC 12 VAC 12 VDC 24 VAC 24 VDC 100 VAC 100 VDC
Max. load current	50 mA 20 mA
Circuit diagram*	(4)
Internal resistance	1 Ω or less (Including lead wire length of 3 m)
Standard	CE marking
D-93A (With indicator light)	
Auto switch model	D-93A
Applicable load	Relay, PLC
Load voltage	24 VDC (4) 100 VAC
Load current range (3)	5 to 40 mA 5 to 20 mA
Circuit diagram*	(3)
Internal voltage drop	2.4 V or less
Indicator light	Red LED illuminates when turned ON.
Standard	CE marking

Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		D-90A-D-93A
Sheath	Outside diameter [mm]	φ3.4
	Number of cores	2 cores (Brown/Blue)
Insulator	Outside diameter [mm]	φ1.1
	Effective area [mm ²]	0.2
Conductor	Strand diameter [mm]	φ0.08
	Lead wire minimum bending radius [mm] (Reference values)	21

* Refer to the circuit diagram no. on page 813.

Note 1) Refer to page 810 for reed auto switch common specifications.

Note 2) Refer to page 810 for lead wire lengths.

Note 3) Under 5 mA, the strength of the indicator light is poor. In some cases, visibility of the indicator light will not be possible where the output signal is less than 2.5 mA. However, there is no problem in terms of contact output, when an output signal exceeds 1 mA or more.

Note 4) The auto switches can operate at 12 VDC, but consider the internal voltage drop of the auto switch described in Reed Auto Switch Precautions on page 410.

Weight

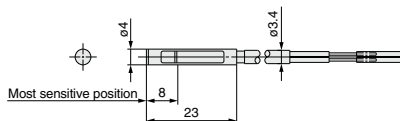
(g)

Auto switch model		D-90A	D-93A
Lead wire length	0.5 m (NI)	9	9
	3 m (L)	47	47
	5 m (Z)	77	77

Dimensions

(mm)

D-90A



D-93A

