Reed Auto Switch
Rail Mounting Style
D-A72/D-A73/D-A80

C E

Grommet
Electrical entry: Perpendicular

Auto Switch Specifications

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

PLC: Programmable Logic Controller

D-A7 (With indicator light)

Auto switch model	**D-A72**	**D-A73**	
Applicable load	Relay, PLC	Relay, PLC	
Load voltage	200 VAC	24 VDC	100 VAC
Load current range [3]	5 to 10 mA	5 to 40 mA	5 to 20 mA
Contact protection circuit	None		
Internal voltage drop	2.4 V or less		
Indicator light	Red LED illuminates when turned ON.		
Standard	CE marking		

D-A8 (Without indicator light)

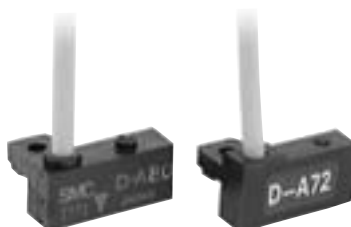| Auto switch model	**D-A80**		
Applicable load	Relay, IC circuit, PLC		
Load voltage	24 V $_{DC}^{AC}$ or less	48 V $_{DC}^{AC}$	100 V $_{DC}^{AC}$
Maximum load current	50 mA	40 mA	20 mA
Contact protection circuit	None		
Internal resistance	1 Ω or less (Including lead wire length of 3 m)		
Standard	CE marking		

• Lead wires — Oilproof heavy-duty vinyl cord, ø3.4, 0.2 mm², 2 cores (Brown, Blue), 0.5 m
Note 1) Refer to page 1272 for reed auto switch common specifications.
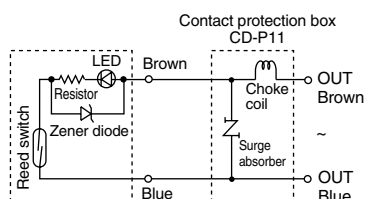Note 2) Refer to page 1272 for lead wire lengths.
Note 3) Under 5 mA, the strength of the indicator light is poor. In some cases, visibility of the indicator light will not be possible where the output signal is less than 2.5 mA. However, there is no problem in terms of contact output, when an output signal exceeds 1 mA or more.
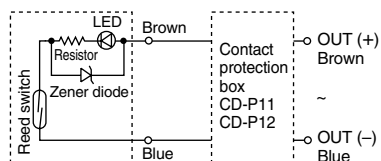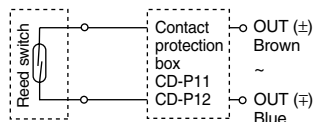
Auto Switch Internal Circuit

D-A72

D-A73

D-A80

Note 1) Operating load is an induction load.
Note 2) Wiring to the load is 5 m or longer.
Note 3) Load voltage is 100 VAC or 200 VAC.
Use the contact protection box in any of the above listed situations. The contact point life may decrease. **Especially in the case of D-A72, be sure to use the contact protection box.** (Refer to page 1273 for contact protection box.)
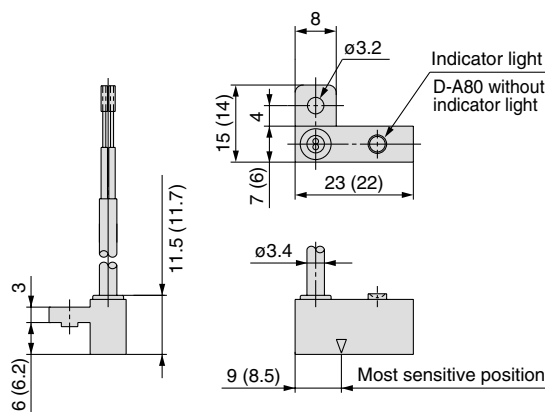
Mass
(g)

Auto switch model		**D-A72**	**D-A73**	**D-A80**
Lead wire length (m)	0.5	10	10	10
	3	47	47	47
	5	—	77	—

Dimensions
(mm)

( ) values for D-A72

D-□