

# Reed Auto Switch Tie-rod Mounting Type D-A33C/D-A34C/D-A44C



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

**Terminal conduit: D-A3□C**  
**DIN terminal: D-A44C**



## Caution

### Precautions

1. Do not drop or bump the auto switch while handling it as it may result in the auto switch breaking.
2. Use cable whose O.D. is within the size in the figure to maintain water resistant performance.
3. After wiring, confirm that tightening gland and all screws are tightened.

## Auto Switch Specifications

PLC: Programmable Logic Controller

D-A3□C (With indicator light) Terminal conduit				
Auto switch model	D-A33C	D-A34C		
Applicable load	PLC	Relay, PLC		
Load voltage	24 VDC <sup>(3)</sup>	24 VDC <sup>(3)</sup>	100 VAC	200 VAC
Load current range <sup>(2)</sup>	5 to 50 mA	5 to 50 mA	5 to 25 mA	5 to 12.5 mA
Internal circuit*	③			
Contact protection circuit	None	Built-in		
Internal voltage drop	2.4 V or less	2.4 V or less (Up to 20 mA)/3.5 V or less (Up to 50 mA)		
Indicator light	Red LED illuminates when turned ON.			
Standard	CE marking			
D-A44C (With indicator light) DIN terminal				
Auto switch model	D-A44C			
Applicable load	Relay, PLC			
Load voltage	24 VDC <sup>(3)</sup>	100 VAC	200 VAC	
Load current range <sup>(2)</sup>	5 to 50 mA	5 to 25 mA	5 to 12.5 mA	
Internal circuit*	①			
Contact protection circuit	Built-in			
Internal voltage drop	2.4 V or less (Up to 20 mA)/3.5 V or less (Up to 50 mA)			
Indicator light	Red LED illuminates when turned ON.			
Standard	CE marking			

\* Refer to the applicable internal circuit diagram (numbers ① to ⑦) on page 1587.

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

Note 2) 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 3) 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 12.

## Weight

(g)

Auto switch model	Applicable bore size (mm)	Weight	Auto switch model	Applicable bore size (mm)	Weight
D-A33C-4, A34C-4	40	162	D-A44C-4	40	160
D-A33C-5, A34C-5	50	166	D-A44C-5	50	164
D-A33C-6, A34C-6	63	184	D-A44C-6	63	182
D-A33C-8, A34C-8	80	210	D-A44C-8	80	208
D-A33C-10, A34C-10	100	232	D-A44C-10	100	230

## Dimensions

(mm)

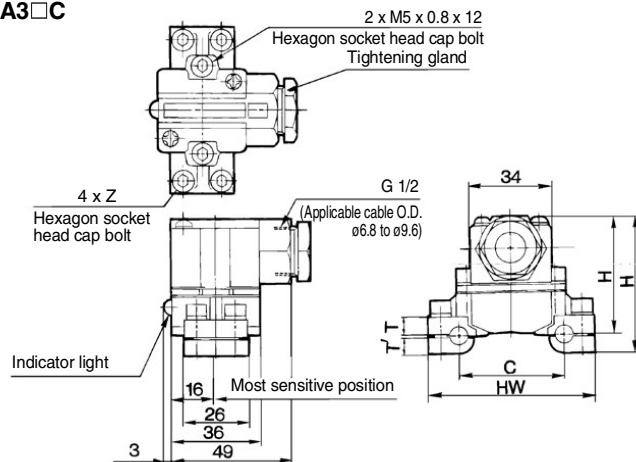
Auto switch model	Applicable bore size (mm)	C	HW	H	H'	T	T'	Z
D-A3□C-4, D-A44C-4	40	44	69	58 (67.5)	50.5 (60)	7.5	6.5	M5 x 0.8 x 16
D-A3□C-5, D-A44C-5	50	52	77	59 (68.5)	51.5 (61)	8.5	6.5	
D-A3□C-6, D-A44C-6	63	64	91	61.5 (71)	53 (62.5)	10.5	7.5	M5 x 0.8 x 20
D-A3□C-8, D-A44C-8	80	78	107	65 (74.5)	54.5 (64)	12.5	9.5	
D-A3□C-10, D-A44C-10	100	92	121	68 (77.5)	57.5 (67)	15.5	9.5	M5 x 0.8 x 25

\* ( ): Denotes the values of D-A44C

(mm)

## Dimensions

### D-A3□C



### D-A44C

