# **Reed Auto Switch** Tie-rod Mounting Type **D-A5**□/**D-A6**[

(4)

None 1  $\Omega$  or less (Including

lead wire length of 3 m)

#### Grommet



## **Auto Switch Specifications**

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

PLC: Programmable Logic Controller

D-A5 (With indicator light)								
Auto switch model	D-A53	D-A54				D-A56		
Applicable load	PLC	Relay, PLC			IC circuit			
Load voltage	24 VDC (4)	24 VDC (4)	100 VAC	200 VA	)	4 to 8 VDC		
Maximum load (3)	5 to 50 mA	5 to 50 mA	5 to 25 m	A 5 to 12.5 r	nΑ	20 mA		
current and range								
Circuit diagram*	3	1				(5)		
Contact protection circuit	None	Built-in None						
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) 0.8 V or less						
Indicator light	Red LED illuminates when turned ON.							
Standard	CE marking							
D-A6 (Without indicator light)								
Auto switch model	D-A64				D-A67			
Applicable load	Relay, PLC P				LC/IC circuit			
Load voltage	24 V AC or les	s 100 V	AC	200 VAC	N	Max. 24 VDC		
Maximum load current	50 mA	25 m	A	12.5 mA		30 mA		

Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		D-A53/A54 D-A56		D-A64/A67			
Sheath	Outside diameter [mm]						
In a colorate or	Number of cores	2 cores (Brown/Blue)	3 cores (Brown/Blue/Black)	2 cores (Brown/Blue)			
insulator	Outside diameter [mm]						
	Effective area [mm <sup>2</sup> ]	0.3	0.2	0.3			
Conductor	Strand diameter [mm]						
Lead wire minimum l	bending radius [mm] (Reference values)	24					

Built-in

25  $\Omega$  or less

CE marking

## Weight

Circuit diagram\*

Contact protection circuit

Internal resistance

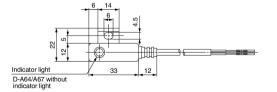
Standard

(g)

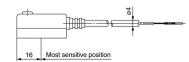
	Auto switch model		D-A53 D-A54		D-A56	D-A64 D-A67	
		0.5 m (Nil)	24		24	24	
	Lead wire length	3 m ( <b>L</b> )	80		80	80	
		5 m ( <b>Z</b> )	125		_	_	

## **Dimensions**

(mm)









<sup>Refer to the circuit diagram no. on page 1587.
Note 1) Refer to page 1584 for reed auto switch common specifications.
Note 2) Refer to page 1584 for lead wire lengths.
Note 3) Refer to page 1584 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</sup> 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 12.