Reed Auto Switch Band Mounting Type D-B53/D-B54/D-B64

Grommet



Auto Switch Specifications

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

PLC: Programmable	Logic	Controller
-------------------	-------	------------

D-B5 (With indicator light)						
Auto switch model	D-B53	D-B54				
Applicable load	PLC	Relay, PLC				
Load voltage	24 VDC(4)	24 VDC(4)	100 VAC	200 VAC		
Load current range (3)	5 to 50 mA	5 to 50 mA	5 to 25 mA	5 to 12.5 mA		
Circuit diagram*	3	1				
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	Red LED illuminates when turned ON.				
Standard		CE marking				
D-B6 (Without indicator light)						
Auto switch model	D-B64					
Applicable load	Relay, PLC					
Load voltage	24 V _{DC} or less	100 V	AC	200 VAC		
Max. load current	Max. 50 mA	Max. 25	mA M	ax. 12.5 mA		
Circuit diagram*	2					
Contact protection circuit	Built-in					
Internal resistance	25 Ω or less					
Standard	CE marking					

Oilproof Heavy-duty Lead Wire Specifications

chiprocally daily many many man approximations				
Auto swi	tch model	D-B53/B54/B64		
Sheath	Outside diameter [mm]	ø4		
Insulator	Number of cores	2 cores (Brown/Blue)		
	Outside diameter [mm]	ø1.22		
Conductor	Effective area [mm ²]	0.3		
	Strand diameter [mm]	ø0.08		
Lead wire minimum bending	radius [mm] (Reference values)	24		

^{*} Refer to the circuit diagram no. on page 1587.

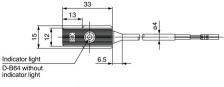
Weight

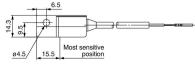
(g)

Auto switch model		D-B53	D-B54	D-B64
	0.5 m (Nil)	22	22	22
Lead wire length	3 m (L)	78	78	78
	5 m (Z)	126	126	_

Dimensions

(mm)







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

Note 2) 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 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

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.