# **Reed Auto Switch Rail Mounting Type** D-A7 H/D-A80H

## **Auto Switch Specifications**

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

PLC: Programmable Logic Controller



Grommet

Electrical entry: In-line

D-A7□H (With indicator light)								
Auto switch model	D-A72H	D-A73H		D-A76H				
Applicable load	Relay, PLC	Relay, PLC		IC circuit				
Load voltage	200 VAC	24 VDC (4	100 VA	/C	4 to 8 VDC			
Max. load current/Load current range(3)	5 to 10 mA	5 to 40 m.	A 5 to 20	mA	20 mA			
Circuit diagram*	3			(5)				
Contact protection circuit	None							
Internal voltage drop	2.4 V or less			0.8 V or less				
Indicator light	Red LED illuminates when turned ON.							
Standard	CE marking							
D-A80H (Without indicator light)								
Auto switch model	D-A80H							
Applicable load	Relay, IC circuit, PLC							
Load voltage	24 V AC or le	SS	48 V AC		100 V AC			
Maximum load current	50 mA		40 mA		20mA			
Circuit diagram»	(4)							

Oilproof Heavy-duty Lead Wire Specifications

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Auto switch model		D-A72H/A73H	D-A76H	D-A80H			
Sheath	Outside diameter [mm]	ø3.4					
Insulator	Number of cores	2 cores (Brown/Blue)	3 cores (Brown/Blue/Black)	2 cores (Brown/Blue)			
	Outside diameter [mm]	ø1.1					
Conductor	Effective area [mm²]	0.2					
	Strand diameter [mm]	ø0.08					
Lead wire minimum bending radius [mm] (Reference values)		21					

None 1  $\Omega$  or less (Including lead wire length of 3 m)

CE marking

\* Refer to the circuit diagram no. on page 1587.

Contact protection circuit

Internal resistance Standard

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

Note 2) Refer to page 1584 for reed auto switch common specifications.

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.

### Weight

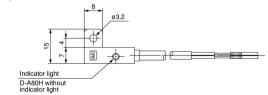
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Auto swit	tch model	D-A72H	D-A73H	D-A76H	D-A80H
Lead wire length	0.5 m (Nil)	10	10	11	10
	3 m ( <b>L</b> )	47	47	52	47
	5 m ( <b>Z</b> )	_	77	_	_

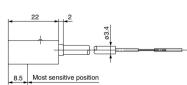
# **Dimensions**

(mm)

#### D-A7□H. D-A80H







D-□

