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

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

## Grommet **Electrical entry: In-line**



# **∆**Caution

#### **Precautions**

Do not drop or bump the auto switch while handling it as it may result in the auto switch breaking.

# Auto Switch Specifications

PLC: Programmable Logic Controller

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	۱C	4 to 8 VDC			
Max. load current/Load current range(3)	5 to 10 mA	5 to 40 mA	5 to 20	mA	20 mA			
Internal circuit*	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 4	8 V AC		100 V AC			
Maximum load current	50 mA	4	) mA		20mA			
Internal circuit*	4							
Contact protection circuit	None							
Internal resistance	1 $\Omega$ or less (Including lead wire length of 3 m)							
Standard	CE marking							

Oilproof Heavy-duty Lead Wire Specifications

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					

<sup>\*</sup> Refer to the applicable internal circuit diagram (numbers 1 to 2) on page 1587.

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.

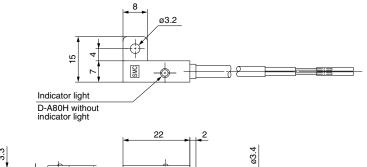
#### Weight (g)

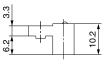
Auto switch model		D-A72H	D-A73H	D-A76H	D-A80H
Lead wire length	0.5 m ( <b>Nil</b> )	10	10	11	10
	3 m ( <b>L</b> )	47	47	52	47
	5 m ( <b>Z</b> )	_	77		_

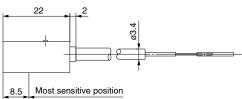
# **Dimensions**

(mm)

### **D-A7**□**H**, **D-A80**H











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