# **Reed Auto Switch Rail Mounting Type** D-A72/D-A73/D-A80

### Grommet Electrical entry: Perpendicular



# **Auto Switch Specifications**

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

PLC: Programmable Logic Controller

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D-A7 (With indicator light)							
Auto switch model	D-A72	D-A73					
Applicable load	Relay, PLC	Relay, PLC					
Load voltage	200 VAC	24 VDC (4)	100 VAC				
Load current range (3)	5 to 10 mA	5 to 40 mA	5 to 20 mA				
Circuit diagram*	3						
Contact protection circuit	None						
Internal voltage drop	2.4 V or less						
Indicator light	Red LED illuminates when turned ON.						
Standard	CE marking						
D-A8 (Without indicator light)							
Auto switch model	D-A80						
Applicable load	Relay, IC circuit, PLC						
Load voltage	24 V DC or less	48 V 8℃	100 V 8€				
Maximum load current	50 mA	40 mA	20 mA				
Circuit diagram*	4						
Contact protection circuit	None						
Internal resistance	1 Ω or less (Including lead wire length of 3 m)						
Standard	CE marking						

#### Oilproof Heavy-duty Lead Wire Specifications

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Auto sv	vitch model	D-A72 D-A73 D-A80		D-A80		
Sheath	Outside diameter [mm]	ø3.4				
Insulator	Number of cores	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> Lead wire Oilproof vinyl cabtire cord: ø3.4, 0.2 mm2, 2 cores (Brown, Blue), 0.5 m

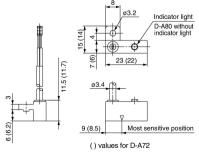
## Weight

(g)

Auto switch model		D-A72	D-A73	D-A80
Lead wire length	0.5 m ( <b>Nil</b> )	10	10	10
	3 m ( <b>L</b> )	47	47	47
	5 m ( <b>Z</b> )	_	77	_

#### **Dimensions**

(mm)





<sup>\*</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) 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.