

# Reed Switch Rail Mounting Style D-A7□H/D-A80H

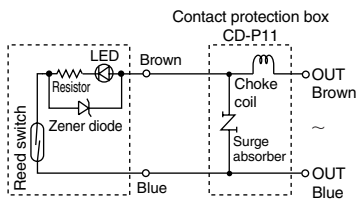
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**Grommet  
Electrical entry: In-line**

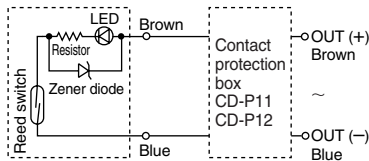


## Auto Switch Internal Circuit

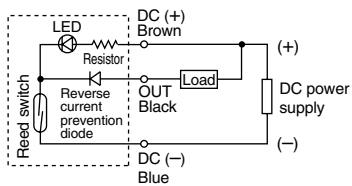
### D-A72H



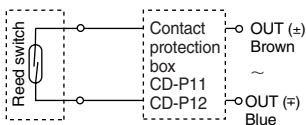
### D-A73H



### D-A76H



### D-A80H



Note 1) Operating load is an induction load.  
 Note 2) In the case the wiring length to load is more than 5 m.  
 Note 3) Wiring to the load is 5 m or longer.  
 Use the contact protection box in any of the above listed situations. The contact point life may decrease. **Especially in the case of D-A72H, be sure to use the contact protection box.** (Refer to page 6-16-7 for contact protection box.)

## Auto Switch Specifications

PLC: Abbreviation of 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	100 VAC	4 to 8 VDC
Max. load voltage/Load current range <sup>(3)</sup>	5 to 10 mA	5 to 40 mA	5 to 20 mA	20 mA
Contact protection circuit	2.4 V or less			0.8 V or less
Internal voltage drop	None			
Indicator light	Red LED lights when ON.			
D-A80H (Without indicator light)				
Auto switch model	D-A80H			
Applicable load	Relay, IC circuit, PLC			
Load voltage	24 V <sup>AC</sup> <sub>DC</sub> or less	48 V <sup>AC</sup> <sub>DC</sub>	100 V <sup>AC</sup> <sub>DC</sub>	
Maximum load current	50 mA	40 mA	20 mA	
Contact protection circuit	None			
Internal resistance	1 Ω or less (Including lead wire length of 3 m)			

• Lead wire — Oil resistant vinyl heavy-duty cord, 0.2 mm<sup>2</sup>, 2 cores (Brown, Blue), 3 cores (Brown, Black, Blue), 0.5 m

Note 1) Regarding the common specifications of the reed switches, refer to page 6-16-7.

Note 2) Regarding the lead wire length, refer to page 6-16-7.

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 more.

## Weight

(g)

Auto switch model	D-A72H	D-A73H	D-A76H	D-A80H
Lead wire length (m)	0.5	10	11	10
	3	47	52	47
	5	—	77	—

## Dimensions

### D-A7□H, D-A80H

