

Reed Switch Band Mounting Style D-C73/D-C76/D-C80

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Grommet



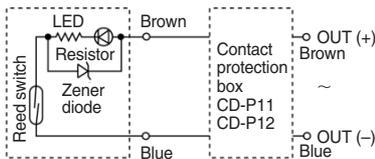
Auto Switch Specifications

PLC: Abbreviation of Programmable Logic Controller

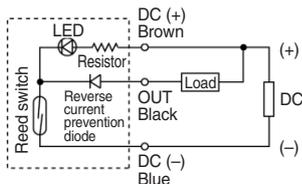
D-C7 (With indicator light)			
Auto switch model	D-C73		D-C76
Applicable load	Relay, PLC		IC circuit
Load voltage	24 VDC	100 VAC	4 to 8 VDC
Max. load current and range ⁽³⁾	5 to 40 mA	5 to 20 mA	20 mA
Contact protection circuit	None		
Internal voltage drop	2.4 V or less		0.8 V or less
Indicator light	Red LED lights when ON.		
D-C8 (Without indicator light)			
Auto switch model	D-C80		
Applicable load	Relay, PLC, IC circuit		
Load voltage	24 V _{DC} ^{AC} or less	48 V _{DC} ^{AC}	100 V _{DC} ^{AC}
Max. 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)		

Auto Switch Internal Circuit

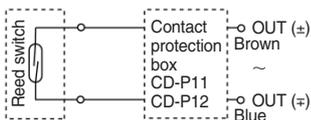
D-C73



D-C76



D-C80



Note 1) Operating load is an induction load.
 Note 2) Wiring to the load is 5 m or longer.
 Note 3) Load voltage is 100 VAC.
 Use the contact protection box in any of the above listed situations. The contact point life may decrease. (Refer to page 6-16-7 for contact protection box.)

• Lead wire — Oil resistant vinyl heavy-duty cord, $\phi 3.4$, 0.2 mm², 3 cores (Brown, Black, Blue), 2 cores (Brown, Blue), 0.5 m

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

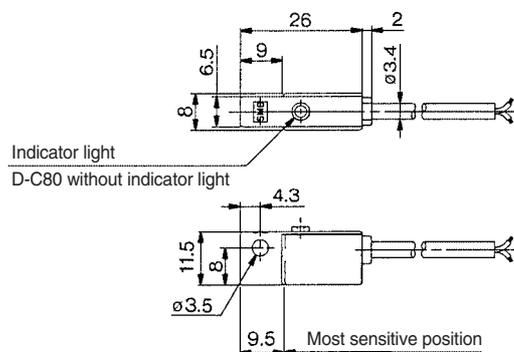
Note 2) Regarding the lead wire length, refer to page 6-16-7.

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-C73	D-C76	D-C80
Lead wire length (m)	0.5	9	10	9
	3	46	50	46
	5	76	—	—

Dimensions

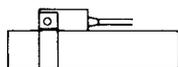


Technical Data 2: How to Mount and Move the Auto Switch

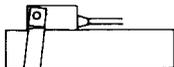
Mounting Bracket Band Mounting Style

⚠ Caution

1. Tighten the screw under the specified torque when mounting auto switch.
2. Set the mounting band perpendicularly to cylinder tube.



Mounting correctly

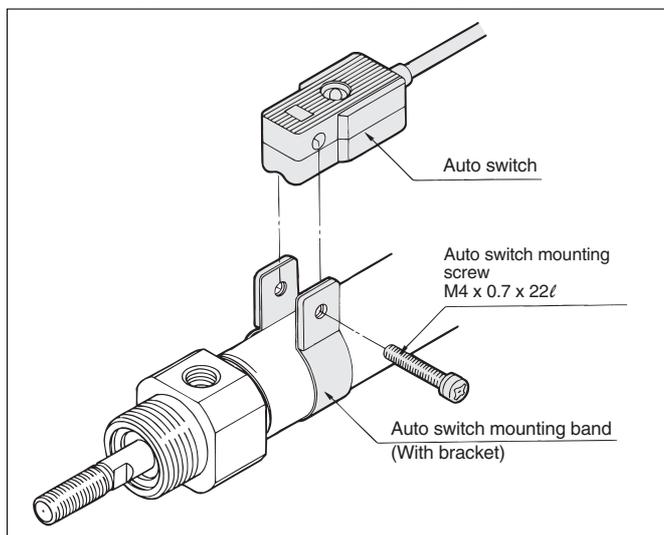


Mounting incorrectly

<Applicable auto switch>

Reed switch.....D-B53, D-B54, D-B64, D-B59W
Solid state switch.....D-G59, D-G5P, D-K59, D-G5BAL
D-G59W, D-G5PW, D-K59W, D-G59F, D-G5NTL

How to Mount and Move the Auto Switch



1. Put a mounting band on the cylinder tube and set it at the auto switch mounting the mounting hole to the hole of stationary fitting.
2. Put the mounting section of the auto switch between the band mounting holes, then adjust the position of mounting holes of switch to those of mounting band.
3. Lightly thread the auto switch mounting screw through the mounting hole into the thread part of band fitting.
4. After reconfirming the detecting position, tighten the mounting screw to secure the auto switch. (The tightening torque of M4 screw should be about 1 to 1.2 N·m.)
5. Modification of the detection position should be made in the condition of 3.

Auto Switch Mounting Bracket Part No. (Including band and screw)

Cylinder series	Applicable bore size (mm)							
	20	25	32	40	50	63	80	100
CDM2, CDBM2	BA2	BA2	BA2	BA2	—	—	—	—
CDVM3/5, CDLM2	-020	-025	-032	-040	—	—	—	—
CDG1, MGG	BA	BA	BA	BA	BA	BA-06	BA-08	BA-10
MGC	-01	-02	-32		-05	—	—	—
CDLG1	—	—	—		—	—	—	—
CDV3, CNA	—	—	—		-04	BA	BA	BA
CDVS, CDL1, CE2	—	—	—	—	-05	-06	-08	-10
RHC, MLGC, REC	BA-01	BA-02	BA-32	—	—	—	—	—

[Mounting screws set made of stainless steel]

The following set of mounting screws made of stainless steel is also available. Use it in accordance with the operating environment.

(Please order the mounting band separately, since it is not included.)

BBA3: For D-B5/B6/G5/K5

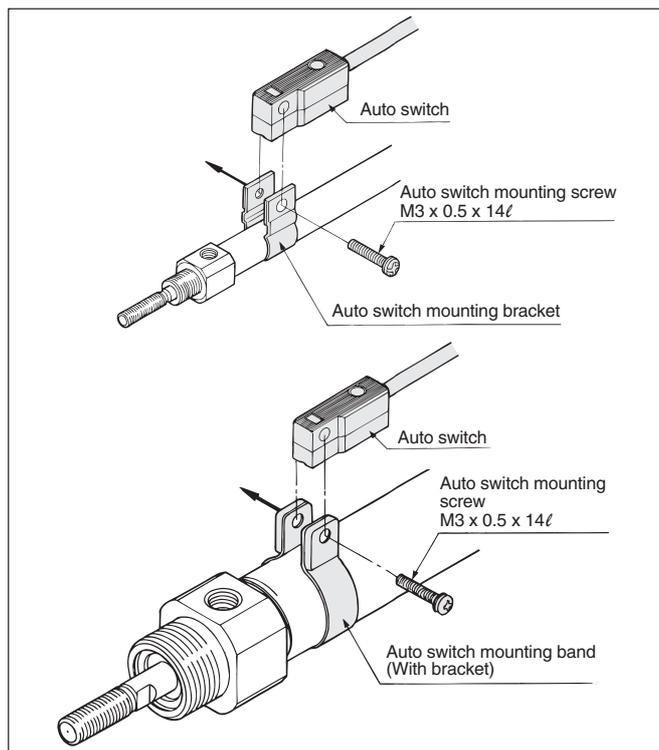
“D-G5BAL” switch is set on the cylinder with the stainless steel screws above when shipped.

When a switch is shipped independently, “BBA3” screws are attached.

<Applicable auto switch>

Reed switch.....D-C73, D-C76, D-C80, D-C73C, D-C80C
Solid state switch.....D-H7A1, D-H7A2, D-H7B, D-H7BAL
D-H7C, D-H7NF, D-H7NW, D-H7PW, D-H7BW

How to Mount and Move the Auto Switch



1. For Series CDJ2: Put a mounting bracket on the cylinder tube.
For Series CDM2: Put a mounting band on the cylinder tube and set it at the auto switch mounting position.
2. Put the mounting section of the auto switch between the band mounting holes, then adjust the position of mounting holes of switch to those of mounting band.
3. Lightly thread the auto switch mounting screw through the mounting hole into the thread part of band fitting.
4. Set the whole body to the detecting position by sliding, tighten the mounting screw to secure the auto switch. (Tightening torque of M3 screw should be 0.8 to 1.0 N·m.)
5. Modification of the detection position should be made in the condition of 3.
6. After auto switch is mounted and fixed, attach a protective tube on the tip of an auto switch mounting screw.

Auto Switch Mounting Bracket Part No. (Including band and screw)

Cylinder series	Applicable bore size (mm)									
	6	10	15	16	20	25	32	40	50	63
CDJ2	BJ2-006	BJ2	—	BJ2	—	—	—	—	—	—
CDVJ3/5	—	-010	—	BJ2	—	—	—	—	—	—
CDLJ2	—	—	—	-016	—	—	—	—	—	—
CDM2, CDBM2	—	—	—	—	BM2	BM2	BM2	BM2	—	—
CDVM3/5, CDLM2	—	—	—	—	-020	-025	-032	-040	—	—
CDG1, MGG	—	—	—	—	—	—	—	—	BMA2-050	BMA2-063
CDLG1	—	—	—	—	—	—	—	—	—	—
MGC	—	—	—	—	—	—	—	—	BMA2-040	BMA2-050
RHC, MLGC, REC	—	—	—	—	—	—	—	—	—	—
RSDG	—	—	—	—	—	—	—	—	BMA2-050	—

[Mounting screws set made of stainless steel]

The following set of mounting screws made of stainless steel is also available. Use it in accordance with the operating environment.

(Please order the mounting band separately, since it is not included.)

BBA4: For D-C7/C8/H7

“D-H7BAL” switch is set on the cylinder with the stainless steel screws above when shipped.

When only a switch is shipped independently, “BBA4” screws are attached.