

How to Mount and Move the Auto Switch

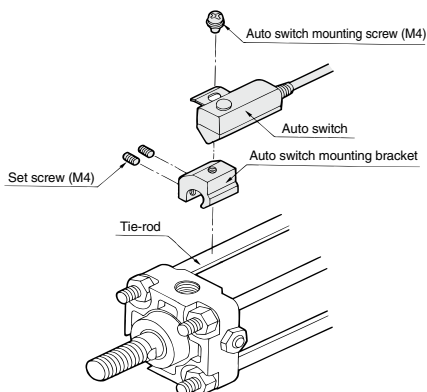
<Applicable auto switch>

Solid state D-F59, D-F5P,
D-J59, D-F5BA,
D-F59W, D-F5PW, D-J59W,
D-F59F, D-F5NT

Reed D-A53, D-A54, D-A56, D-A64,
D-A67, D-A59W

1. Fix the auto switch on the auto switch mounting bracket with the auto switch mounting screw (M4) and install the set screw.
2. Fit the auto switch mounting bracket into the cylinder tie-rod and then fix the auto switch at the detecting position with the hexagonal wrench. (Be sure to put the auto switch on the surface of cylinder tube.)
3. When changing the detecting position, loosen the set screw to move the auto switch and then re-fix the auto switch on the cylinder tube. (Tightening torque of M4 screw should be 0.6 to 0.8 N·m.)

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Auto Switch Mounting Bracket Part No. (Including bracket, screw, set screw)

Cylinder series	Applicable bore size (mm)										
	32	40	50	63	80	100	125	140	160	180	200
MDB	BT-03	BT-03	BT-05	BT-05	BT-06	BT-06	BT-08	—	—	—	—
MDB-Z, MDBB, MDBY-Z, MDNB							—	—	—	—	
CDA2-Z	—	BT-04	BT-04	BT-06	BT-08	BT-08	—	—	—	—	—
CDA2, CDBA2											
CDA2□Q, CDA2□H											
CDA2Y-Z											
CDNA2, CE2											
CDV3, CDVS1	—	—	—	—	—	—	—	—	—	—	—
CDL1	—	—	—	—	—	—	BT-12	BT-12	BT-16	—	—
CDS1, CDLS	—	—	—	—	—	—				BT-18A	BT-20
CDS2, CDS2Y	—	—	—	—	—	—				—	—
CDNS	—	—	—	—	—	—				—	—

[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 auto switch mounting band separately, since it is not included.)

BBA1: For D-A5/A6/F5/J5

"D-F5BA" auto switch is set on the cylinder with the stainless steel screws above when shipped.
When an auto switch is shipped independently, "BBA1" screws are attached.

Stainless Steel Mounting Screw Set

Part no.	Description				Applicable auto switch mounting bracket part no.	Applicable auto switch
	No.	Part	Size	Qty.		
BBA1	1	Auto switch mounting screw	M4 x 0.7 x 8L	1	BT-□□	D-A5, A6 D-F5, J5
	2	Set screw	M4 x 0.7 x 6L	2	BT-03, BT-04, BT-05 BT-06, BT-08, BT-12	D-Z7, Z8 D-Y5, Y6, Y7
					BA4-040, BA4-063, BA4-080 BMB4-032, BMB4-050	D-A9 D-M9
					BMB5-032 BA7-040, BA7-063, BA7-080	D-A5, A6 D-F5
	3	Set screw	M4 x 0.7 x 8L	3	BT-16, BT-18A, BT-20	D-Z7, Z8 D-Y5, Y6, Y7
					BS4-125, BS4-160 BS4-180, BS4-200	D-A9 D-M9
					BS5-125, BS5-160 BS5-180, BS5-200	

Note 1) A spacer for BQ-2 (black resin) is not included.

Note 2) When using D-A9□(V)/M9□(V)/M9□W(V)/M9□A(V) auto switches with BQ2-012, use stainless steel screws suitable for the auto switch mounting bracket applicable for each cylinder series.

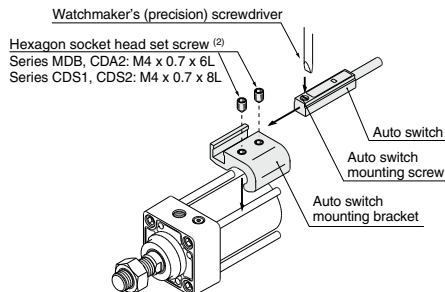
D-□

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<Applicable auto switch>

Solid state D-Y59^Δ, D-Y69^Δ, D-Y7P(V),
D-Y7NW(V), D-Y7PW(V),
D-Y7BW(V), D-Y7BA
Reed D-Z73, D-Z76, D-Z80

How to Mount and Move the Auto Switch



1. Fix it to the detecting position with a set screw by installing an auto switch mounting bracket in cylinder tie-rod and letting the bottom surface of an auto switch mounting bracket contact the cylinder tube firmly.
(Use hexagon wrench)
2. Fit an auto switch into the auto switch mounting groove to set it roughly to the auto switch mounting position for an auto switch.
3. After confirming the detecting position, tighten up the mounting screw attached to an auto switch, and secure the switch.
4. When changing the detecting position, carry out in the state of 2.

* To protect auto switches, ensure that main body of an auto switch should be embedded into auto switch mounting groove with a depth of 15 mm or more.

Note 1) When tightening an auto switch mounting screw, use a watchmaker's screwdriver with a grip diameter of 5 to 6 mm.

Also, set the tightening torque to be 0.05 to 0.1 N·m.

As a guide, turn 90° from the position where it comes to feel tight. Set the tightening torque of a hexagon socket head set screw (M4 x 0.7) to be 1 to 1.2 N·m.

Auto Switch Mounting Bracket Part No. (Including Bracket, Set Screw)

Cylinder series	Applicable bore size (mm)										
	32	40	50	63	80	100	125	140	160	180	200
MDB	BMB4-032	BMB4-032	BMB4-050	BMB4-050	BA4-063	BA4-063	BA4-080	—	—	—	—
MDB-Z, MDBB, MDBY-Z, MDNB							—	—	—	—	—
CDA2-Z	—	BA4-040	BA4-040	BA4-063	BA4-080	BA4-080	—	—	—	—	—
CDA2, CDBA2											
CDA2□Q, CDA2□H											
CDA2Y-Z											
CDNA2, CE2											
CDL1	—						BS4-125	BS4-125	BS4-160	BS4-180	BS4-200
CDS1, CDLS	—	—	—	—	—	—				—	—
CDS2, CDS2Y	—	—	—	—	—	—				—	—
CDNS	—	—	—	—	—	—				—	—

Note 2) When using type D-Y7BA please order stainless steel screw set BBA1 separately (page 1663), and use the stainless steel set screws, after selecting set screws of the appropriate length for the cylinder series—as shown in the table above.