Auto Swit	ch Mounting	g Brackets/Part No.
-----------	-------------	---------------------

		Bore siz	ze (mm)							
Auto switch model	ø 20	ø 25	ø 32	ø 40						
D-M9□(V) D-M9□W(V) D-A9□(V)	BM5-020 (A set of a, b, c, d)	BM5-025 (A set of a, b, c, d)	BM5-032 (A set of a, b, c, d)	BM5-040 (A set of a, b, c, d)						
D-M9□A(V) Note 2)	BM5-020S (A set of b, c, d, e)	BM5-025S (A set of b, c, d, e)	BM5-032S (A set of b, c, d, e)	BM5-040S (A set of b, c, d, e)						
A set of b, c, d, e) (A set of b, c, d, e) (A set of b, c, d, e) (A set of b, c, d, e)										
D-H7□ D-H7□W D-H7NF D-C7□/C80 D-C73C/C80C	BM2-020A (A set of band and screw)	BM2-025A (A set of band and screw)	BM2-032A (A set of band and screw)	BM2-040A (A set of band and screw)						
D-H7BA	BM2-020AS (A set of band and screw)	BM2-025AS (A set of band and screw)	BM2-032AS (A set of band and screw)	BM2-040AS (A set of band and screw)						
D-B5□/B64 D-B59W D-G5NT	BA2-020 (A set of band and screw)	BA2-025 (A set of band and screw)	BA2-032 (A set of band and screw)	BA2-040 (A set of band and screw)						
D-A3□A/A44A Note 3) D-G39A/K39A Note 1) Since the switch	BM3-020 (A set of band and screw)	,	BM3-032 (A set of band and screw)	BM3-040 (A set of band and screw)						

Note 1) Since the switch bracket (made from nylon) are affected in an environment where alcohol, chloroform, methylamines, hydrochloric acid or sulfuric acid is splashed over, so it cannot be used. Please contact SMC regarding other chemicals.

Note 2) As the indicator LED is projected from the switch unit, indicator LED may be damaged if the switch bracket is fixed on the indicator LED.

Note 3) The D-A3□A/A44A/G39A/K39A cannot be mounted on the centralized piping type CDM2□P series.

Band Mounting Brackets Set Part No.

Set part no.	Contents
BM2-DCA(S) * S: Stainless steel screw	 Auto switch mounting band (c) Auto switch mounting screw (d)
BJ4-1	 Switch bracket (White/PBT) (e) Switch holder (b)
BJ5-1	 Switch bracket (Transparent/Nylon) (a) Switch holder (b)

Other than the applicable auto switches listed in "How to Order", the following auto switches are mountable. L Refer to the WEB catalog or the Best Pneumatics No. 2 for the detailed specifications. I I Туре Model Electrical entry Features I D-H7A1, H7A2, H7B L D-H7NW, H7PW, H7BW Diagnostic indication (2-color indication) I L Solid state Grommet (In-line) D-H7BA Water resistant (2-color indication) L D-G5NT With timer I L L D-B53, C73, C76 I Reed Grommet (In-line) I L D-C80 Without indicator light I * With pre-wired connector is also available for solid state auto switches. For details, refer to the WEB catalog or the Best Pneumatics No. 2. * Normally closed (NC = b contact) solid state auto switches (D-F9G/F9H) are also available. For details, refer to the WEB catalog or the Best Pneumatics No. 2.



				Bore siz	ze (mm)							
Auto switch model	20	25	32	40	50	63	80	100				
D-M9□(V) D-M9□W(V) D-A9□(V)	BMA3-020 (A set of a, b, c, d)	BMA3-025 (A set of a, b, c, d)	BMA3-032 (A set of a, b, c, d)	BMA3-040 (A set of a, b, c, d)	BMA3-050 (A set of a, b, c, d)	BMA3-063 (A set of a, b, c, d)	_	_				
D-M9□A(V) Note 2)	BMA3-020S (A set of b, c, d, e)	BMA3-025S (A set of b, c, d, e)	BMA3-032S (A set of b, c, d, e)	BMA3-040S (A set of b, c, d, e)	BMA3-050S (A set of b, c, d, e)	BMA3-063S (A set of b, c, d, e)						
B Switch bracket (Resin) Transparent (Nylon) Note 1) White (PBT) B Switch holder B Switch holder Auto switch mounting screw												
			()	ed so that the pro le (contact side w								
D-H7□ D-H7□W D-H7NF D-C7□/C80 D-C73C/C80C	BMA2-020A (A set of band and screw)	BMA2-025A (A set of band and screw)	BMA2-032A (A set of band and screw)	BMA2-040A (A set of band and screw)	BMA2-050A (A set of band and screw)	BMA2-063A (A set of band and screw)	_	_				
D-H7BA	BMA2-020AS (A set of band and screw)	BMA2-025AS (A set of band and screw)	BMA2-032AS (A set of band and screw)	BMA2-040AS (A set of band and screw)	BMA2-050AS (A set of band and screw)	BMA2-063AS (A set of band and screw)						
D-G5□/K59 D-G5□W/K59W D-G5BA/G59F D-G5NT D-B5□/B64 D-B59W D-G5NB	BA-O1 (A set of band and screw)	BA-02 (A set of band and screw)	BA-32 (A set of band and screw)	BA-04 (A set of band and screw)	BA-05 (A set of band and screw)	BA-06 (A set of band and screw)	BA-08 (A set of band and screw)	BA-10 (A set of band and screw)				

Note 1) Since the switch bracket (made from nylon) are affected in an environment where alcohol, chloroform, methylamines, hydrochloric acid or sulfuric acid is splashed over, so it cannot be used.

Please contact SMC regarding other chemicals.

Note 2) As the indicator LED is projected from the switch unit, indicator LED may be damaged if the switch bracket is fixed on the indicator LED.

Band Mounting Brackets Set Part No.

Set part no.	Contents			
BMA2-DDA(S) * S: Stainless steel screw	 Auto switch mounting band (c) Auto switch mounting screw (d) 			
BJ4-1	 Switch bracket (White/PBT) (e) Switch holder (b) 			
BJ5-1	 Switch bracket (Transparent/Nylon) (a) Switch holder (b) 			

[Stainless Steel Mounting Screw]

The following stainless steel mounting screw kit is available. Use it in accordance with the operating environment. (Since the auto switch mounting bracket is not included, order it separately.) BBA3: D-B5/B6/G5/K5 types

Note 3) Refer to the **WEB catalog** or the Best Pneumatics No. 2 for details on the BBA3.

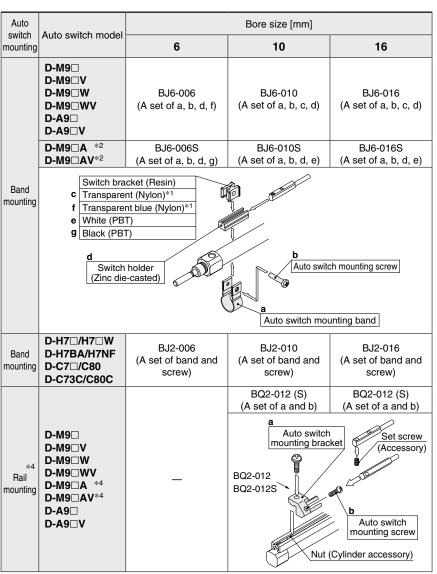
When the D-G5BA type auto switch is shipped independently, the BBA3 is attached.

Operating Range

				[mm]
	Auto switch model	В	ore siz	ze
	Auto switch model	6	10	16
nting	D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV	2	2.5	3
our	D-A9□	4.5	6	7
Band mounting	D-H7□/H7□W D-H7BA/H7NF	3	4	4
B	D-H7C	5	8	9
	D-C7□/C80/C73C/C80C	6	7	7
	D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV	_	3	3.5
p	D-A9□/A9□V	—	6	6.5
Rail mounting	D-F7□/J79/F7□W/J79W D-F7□V/F7□WV/F79F D-J79C/F7BA/F7BAV D-F7NT	—	5	5
	D-A7□/A80/A7H/A80H D-A73C/A80C	_	8	9
	D-A79W	_	11	13

*: Values which include hysteresis are for guideline purposes only, they are not a guarantee (assuming approximately ±30% dispersion) and may change substantially depending on the ambient environment.

Auto Switch Mounting Brackets/Part No.



*1: Since the switch bracket (made from nylon) are affected in an environment where alcohol, chloroform, methylamines, hydrochloric acid or sulfuric acid is splashed over, so it cannot be used. Please contact SMC regarding other chemicals.

*2: As the indicator LED is projected from the auto switch unit, indicator LED may be damaged if the switch bracket is fixed on the indicator LED.

*3: When the cylinder is shipped, the auto switch mounting bracket and the auto switch will be included.

*4: For D-M9□A(V), order the BQ2-012S, which uses stainless steel mounting screws.

Band Mounting Brackets Set Part No.

Cataartaa	Contents	Bore size [mm]				
Set part no.	Contents	6	10	16		
BJ2-□□□	 Auto switch mounting band (a) Auto switch mounting screw (b) 	BJ2-006	BJ2-010	BJ2-016		
BJ4-1	 Switch bracket (White/PBT) (e) Switch holder (d) 	—	•	•		
BJ4-2	 Switch bracket (Black/PBT) (g) Switch holder (d) 	•	—	_		
BJ5-1	 Switch bracket (Transparent/Nylon) (c)^{*1} Switch holder (d) 	—	•	•		
BJ5-2	 Switch bracket (Transparent blue/Nylon) (f)*1 Switch holder (d) 	•	—	_		

[Stainless Steel Mounting Screw]

The following stainless steel mounting screw kit is available. Use it in accordance with the operating environment. (Since the auto switch mounting bracket is not included, order it separately.) BBA4: For D-C7/C8/H7 types

*5: Refer to the WEB catalog or the Best Pneumatics No. 2 for details on the BBA4.
 When the D-H7BA type auto switch is shipped independently, the BBA4 is attached.



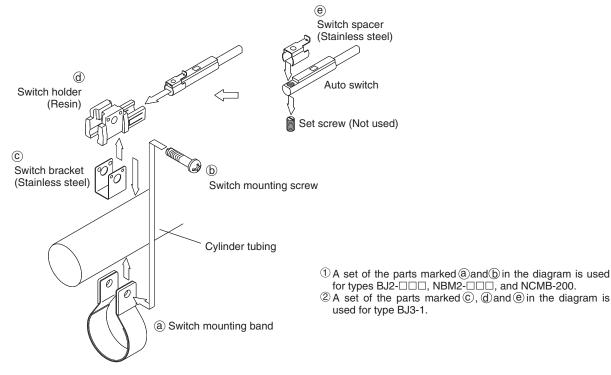
Series NCM

Auto Switch Mounting

Auto Switch Mounting Bracket Part No.

Auto switch model	Bore size										
Auto Switch model	044	056	075	088	106	125	150	200			
D-M9□(V) D-M9□W(V) D-A9□(V)	Note 1) ① BJ2-012 ② BJ3-1	Note 1) ① BJ2-015 ② BJ3-1	Note 1) ① NBM2-075 ② BJ3-1	Note 1) ① NBM2-088 ② BJ3-1	Note 1) ① NBM2-106 ② BJ3-1	Note 1) ① NBM2-125 ② BJ3-1	Note 1) ① NBM2-150 ② BJ3-1	Note 1) ① NCMB-200 ② BJ3-1			
D-H7□ D-H7□W D-H7BAL D-H7BAL D-H7NF D-C7□/80 D-C73C/80C	BJ2-012	BJ2-015	NBM2-075	NBM2-088	NBM2-088	NBM2-125	NBM2-150	NCMB-200			
D-G5NTL D-B5⊡/B59W/B64	-	_	NBA-075	NBA-088	NBA-106	NBA-125	NBA-150	NCMA-200			

Note 1) Two types of auto switch mounting brackets are used as a set. Note 2) D-G5NTL, $B5\Box$, B64, B59W cannot be mounted on models with bore size 044 and 056.



Stainless steel screw set

The set of stainless steel mounting screws described below is available and can be used depending on the operating environment. As auto switch bracket is not included, order separately.

Detailed Contents of Stainless Steel Mounting Screw Sets

Part no.		Content		Applicable auto switch	Applicable
Tantho.	Description	Size	Qty.	mounting bracket part no.	auto switch
BBA3	Auto switch mounting screw	M4X0.7X22L	1	NBA-075/088/106/125/150 NCMA-200	D-G5NTL D-B5⊡⊡ D-B64
BBA4	Auto switch mounting screw	M3X0.5X14L	1	BJ2-012/015 NBM2-075/088/106/125/150 NCMB-200	D-H7□□ D-C7□□ D-C80□

D-H7BAL switch is set on the cylinder with the stainless steel screws (BBA4) above when shipped. When only a switch is shipped independently, BBA4 screws are attached.

C85/C75 Series

Auto Switch Mounting Bracket/Set Part Nos.

Auto switch		C85 Series								
mounting	Auto switch model				Bore si	ze [mm]				
mounting		ø 8	ø 10	ø 12	ø16	ø 20	ø 25	ø 32	ø 40	
	D-M9□(V) D-M9□W(V) D-A9□(V)* ⁷	BJ6-008 (A set of a, b, c, d)	BJ6-010 (A set of a, b, c, d)	BJ6-012 (A set of a, b, c, d)	BJ6-016 (A set of a, b, c, d)	BM5-020 (A set of a, b, c, d)	BM5-025 (A set of a, b, c, d)	BM5-032 (A set of a, b, c, d)	BM5-040 (A set of a, b, c, d)	
	D-M9□A(V)	BJ6-008S (A set of a, b, c, e) (Screw: Stainless steel)	BJ6-010S (A set of a, b, c, e) (Screw: Stainless steel)	BJ6-012S (A set of a, b, c, e) (Screw: Stainless steel)	BJ6-016S (A set of a, b, c, e) (Screw: Stainless steel)	BM5-020S (A set of a, b, c, e) (Screw: Stainless steel)	BM5-025S (A set of a, b, c, e) (Screw: Stainless steel)	BM5-032S (A set of a, b, c, e) (Screw: Stainless steel)	BM5-040S (A set of a, b, c, e) (Screw: Stainless steel)	
*1 *2 *3 *4 Band mounting		(Screw: Stainless steel) (Screw: Stainless ste								
	D-C7□/C80 D-C73C/C80C D-H7□/H7□W D-H7BA/H7NF	BJ2-008 (A set of a and b)	BJ2-010 (A set of a and b)	BJ2-012 (A set of a and b)	BJ2-016 (A set of a and b)	BM2-020A (A set of a and b)	BM2-025A (A set of a and b)	BM2-032A (A set of a and b)	BM2-040A (A set of a and b)	
	D-M9□(V)*8 D-M9□W(V)*8 D-M9□A(V)*8 D-A9□(V)*7	D-M9□(V)*8 D-M9□W(V)*8 D-M9□A(V)*8 (A set of f and g)								
*5 *6 Rail mounting		f Auto switch mounting bracket Bracket fixing screw (Cylinder accessory) Nut (Cylinder accessory)								

*1 Since the switch bracket for band mounting (made from nylon) are affected in an environment where alcohol, chloroform, methylamines, hydrochloric

- acid or sulfuric acid is splashed over, so it cannot be used. Please contact SMC regarding other chemicals.
- *2 In the case of band mounting auto switches, make sure the indicator LED is not directly below switch mounting bracket when mounted as the protruding LED may be damaged.
- *3 For band mounting, switch brackets are mounted on the cylinder when small switches are specified. (switches are not mounted, but packaged together).
- *4 For band mounting, when specifying the switches other than the small switches, auto switch(s) are mounted on the cylinder.
- *5 For rail mounting, the auto switches and auto switch mounting brackets are packed together (not assembled).
- *6 For rail mounting, when D-M9□A(V) is ordered separately, select the stainless steel mounting screw set BQ2-012S.
- *7 When mounting a band and/or a rail on bore size ø8, ø10 or ø12 cylinder, D-A9□(V) type cannot be mounted.
- *8 When mounting a rail on bore size ø20 or ø25 cylinder, D-M9□(V), M9□W(V) and M9□A(V) types cannot be mounted.

Auto Switch Mounting Bracket/Single Unit Part Nos.

	<u>v</u> v								
Auto switch			C85 S	Series			C75 S	Series	Parts lineup
model	ø 8	ø 10	ø 12	ø16	ø 20	ø 25	ø 32	ø 40	Faits inleup
D-M9□(V)	BJ2-008	BJ2-010	BJ2-012	BJ2-016	BM2-020A	BM2-025A	BM2-032A	BM2-040A	 Auto switch mounting band (a) Auto switch mounting screw (b)
D-M9⊟W(V) D-A9⊡(V)	BJ5-2								 Switch holder (c) Switch bracket (d)
D-M9□A(V)	BJ2-008S	BJ2-010S	BJ2-012S	BJ2-016S	BM2-020AS	BM2-025AS	BM2-032AS	BM2-040AS	 Auto switch mounting band (a) Auto switch mounting screw (b)
D-₩9⊟A(V)	BJ4-2				BJ4-1				 Switch holder (c) Switch bracket (e)

[Stainless Steel Mounting Screw]

The following stainless steel mounting screw kit is available. Use it in accordance with the operating environment. (Since the auto switch mounting bracket is not included, order it separately.)

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BBA4: For D-C7/C8/H7 types

* Refer to the **Web Catalog** or Best Pneumatics No. 2-1 for details on the BBA4.

When the D-H7BA type auto switch is shipped independently, the BBA4 is attached.

Other than the applicable auto switches listed in "How to Order", the following auto switches are mountable. Refer to Best Pneumatics No. 2-1 for the detailed specifications.

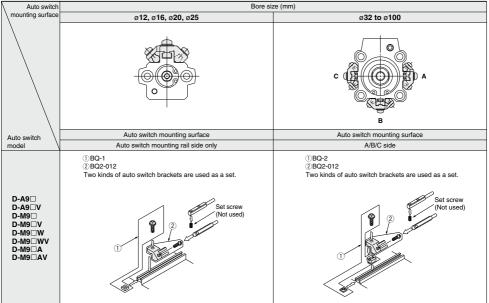
Туре	Model Electrical entry Features I		Mounting	Applicable bore size		
Reed	D-C73, C76	Grommet (In-line)	—	Band	ø8 to ø25	
Reed	D-C80	Giommet (m-ime)	Without indicator light	Danu	0010025	
Solid state	D-H7A1, H7A2, H7B	Crommat (In line)	—	Dond	a9 to a95	
Solid state	D-H7NW, H7PW, H7BW	Grommet (In-line)	Diagnostic indication (2-color indicator)	Band	ø8 to ø25	

* Normally closed (NC = b contact) solid state auto switches (D-F9G/F9H) are also available. For details, refer to Best Pneumatics No. 2-1.
 * With pre-wired connector is also available for solid state switches. For details, refer to Best Pneumatics No. 2-1.

111



Applicable Cylinder Series: CDQP2, CDQP2 ---- S/---T (Axial piping)



Note 1) When shipping cylinders, auto switch mounting brackets and auto switches are shipped together.

Auto switch model	Bore size (mm)				
Auto switch model	ø12 to ø25	ø 32	ø40 to ø100		
D-A7□/A80 D-A73C/A80C D-A70H/A80H D-A79W D-F7□/J79 D-F7□/V D-J79C D-F70W/J79W D-F70W/J79W D-F7BA/F7BAV D-F79F/F7NT	BQ-1		BQ-2		
D-P4DW	-		BQP1-050		

Note 2) When shipping cylinders, auto switch mounting brackets and auto switches are shipped together.

However, when the D-P4DW type with ø40 to ø100 is mounted, the auto switch is assembled at the time of shipment.

Note 3) Refer to pages 1658 to 1660 for further information on auto switch mounting method.

[Stainless Steel Mounting Screw Kit]

The following stainless steel mounting screw kit (with nuts) is available. Use it in accordance with the operating environment. (Since auto switch spacer (for BO-2) is not included, order BQ-2 separately.)

BBA2: For D-A7/A8/F7/J7 types The above stainless steel screws are used when a cylinder is shipped with the

D-F7BA/F7BAV auto switches. When only an auto switch is shipped independently, BBA2 is attached.

Note 4) Refer to page 1659 for details of BBA2.

Note 5) When the D-M9⊡A(V) type is mounted, order auto switch mounting brackets BQ2-012S, BQ-2 or the stainless steel mounting screw kit BBA2 separately.

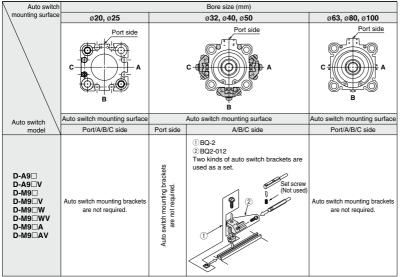
Auto Switch Mounting Bracket/Weight

Mounting bracket part no.	Applicable bore size	Weight (g)		
BQ-1	ø12 to ø25	1.5		
BQ-2	ø32 to ø100	1.5		
BQ2-012	ø12 to ø25	5		
BQP1-050	ø40 to ø100	16		

CUJ
CU
CQS
CQ2 -Z
RQ
CQM
CQU
MU -Z



Applicable Cylinder Series: CDBQ2 (With end lock)



Note 1) When a compact auto switch is mounted on the three sides (A, B and C above) other than the port side of ø32 to ø50 cylinders, auto switch mounting brackets shown above are required. Order them separately from cylinders.

(The above is also applicable when a compact auto switch is mounted using an auto switch mounting rail, but not using a compact auto switch installation groove for ø63 to ø100 cylinders.)

Ordering example

CDBQ2B32-50D-M9BW-----1 pc.

BQ-2----2 pcs.

BQ2-012----2 pcs.

Note 2) When shipping cylinders, auto switch mounting brackets and auto switches are shipped together.

Auto switch model	Bore size (mm)						
Auto switch model	32	40	50	63	80	100	
D-A7□/A80 D-A73C/A80C D-A73H/A80H D-A79W D-F7□V D-F7□V D-F7□WJ79W D-F7□WJ79W D-F7□WJ D-F7□WJ D-F7BA/F7BAV D-F79F/F7NT			BC	}-2			
D-P4DW	_		E	3QP1-05	2		

Note 3) When shipping cylinders, auto switch mounting brackets and auto switches are shipped together.

Note 4) Refer to pages 1658 to 1660 for further information on auto switch mounting method.

[Stainless Steel Mounting Screw Kit]

The following stainless steel mounting screw kit (with nuts) is available. Use it in accordance with the operating environment. (Since auto switch spacer (for BQ-2) is not included, order BQ-2 separately.) BBA2: For D-A7/A8/F7/J7 types

The above stainless steel mounting screws are used when a cylinder is shipped with the D-F7BA/F7BAV auto switches.

When only an auto switch is shipped independently, BBA2 is attached. Note 5) Refer to page 1659 for details of BBA2.

Note 6) When the D-M9⊟A(V) type is mounted on a port side other than ø32, 40 or ø50, order auto switch mounting brackets BQ2-012S, BQ-2 or the stainless steel mounting screw kit BBA2 separately.

Auto Switch Mounting Bracket/Weight

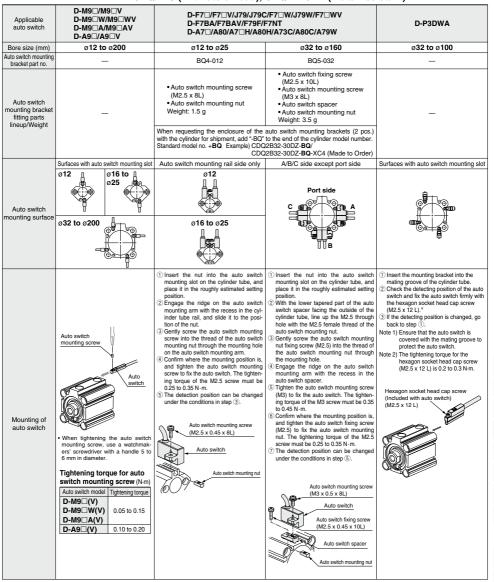
Mounting bracket part no.	Weight (g)	
BQ-2	1.5	
BQ2-012	5	
BQP1-050	16	

LUJ
CU
CQS
CQ2 -Z
RQ
CQM
CQU
MU -Z

0111

D-🗆
-X □
Technical data

Applicable Cylinder Series: CDQ2, CDQ2W, CDQ2□□-□S/-□T (Single acting), CDQ2, CDQ2W (Large bore size), CDQ2K, CDQ2KW (Non-rotating rod), CDQ2 (Long stroke), CDQ2□S (Anti-lateral load), CDQ2□R/□V (Water resistant)



Note) Auto switch mounting bracket and auto switch are enclosed with the cylinder for shipment. For an environment that needs the water resistant auto switch, select the D-M9□A(V) type. Auto switch mounting bracket for the D-F7BA(V) type uses BQ4-012 and BQ5-032 normal specifications (metal screw).

The auto switches applicable to the CDQ2□R/□V (water resistant) is the D-M9□A(V) type.

* The applicable auto switches for the CDQ2DD-S/-DT (single acting) are those except for the D-P3DW type.

CUJ

CU

CQS

CO2

RO

COM

COU

MU

-Z

D-

-X

data

	ylinder Series: CDQ2 D-M9⊡/M9⊡V	D-F7□/F7□V/J79/J79C/F7□W			CJ2Y-Z
Applicable auto switch	D-M9□W/M9□WV D-M9□A/M9□AV D-A9□/A9□V	J79W/F7□WV/D-F7BA/F7BAV F79F/F7NT/D-A7□/A80/A7□H A80H/A73C/A80C/A79W	D-P3DW		CM2Y-Z
Bore size (mm)		Ø32 to Ø100			W2
uto switch mounting bracket part no.		BQ5-032	BQ6-032S		
Auto switch		 Auto switch fixing screw (M2.5 x 10 L) Auto switch mounting screw (M3 x 8 L) Auto switch spacer Auto switch mounting nut Weight: 3.5 g 	Hexagon socket head cap screw (M 2.5 x 6 L) Auto switch mounting bracket (nut) Weight: 5 g		Z CG1Y-Z
ounting bracket fitting parts lineup/Weight		When requesting the enclosure of the auto switch mounting brackets (2 pcs.) with the cylinder for shipment, add "-BQ" to the end of the cylinder model number. Standard model no. + BQ Example) CDQ2B32-30DZ- BQ		Smooth Cylinders	
	Surfaces with auto switch mounting slot	A/B/C side except port side	Surfaces with auto switch mounting slot	0	CĂ
Auto switch nounting surface		Port side			CS2Y
					casy
	Auto switch mounting screw	 Insert the nut into the auto switch mounting slot on the cylinder tube, and place it in the roughly estimated setting position. With the lower tapered part of the auto switch spacer facing the outside of the cylinder tube, line up the M2.5 through hole with the M2.5 female thread of the auto switch mounting nut. 	 Fix the auto switch and the auto switch mounting bracket temporarily by tightening the hexagon socket head cap screw (M2.5 x 9.5 L) attached to the auto switch 1 to 2 turns. Insert the temporarily tightened mounting bracket into the mating groove of the cylinder tube, and slide the auto switch onto the cylinder tube through 		CQ2Y-Z
	Auto switch	 Gently screw the auto switch mounting nut fixing screw (M2.5) into the thread of the auto switch mounting nut through the mounting hole. Engage the ridge on the auto switch mounting arm with the recess in the auto switch spacer. Tighten the auto switch mounting screw (M3) to fix the auto switch. The tightening torque of the M3 screw must be 0.26 to 0.33 lbf-ft (0.35 to 0.45 N·m). Confirm where the mounting position is, and tighten the auto switch fixing screw (M2.5) to fix the auto switch mounting nut. The tightening torque of the 	the groove. To insert the auto switch onto the cylinder/actuator through the groove, first hold the back of the auto switch (lead wire side) and the back of the auto switch mounting bracket together. (3) Check the detecting position of the auto switch and fix the auto switch firmly with the hexagon socket		CJ2X-Z
	• When tightening the auto switch mounting screw, use a watchmakers' screwdriver with a handle 5 to 6 mm in diameter.		 head cap screw (M2.5 x 6 L, M2.5 x 9.5 L).* If the detecting position is changed, go back to step ②. The hexagon socket head cap screw (M2.5 x 6 L) is used to fix the mounting bracket and cylinder tube. This enables the replacement of the auto 	ders	CM2X-Z
Mounting of auto switch	Tightening torque for auto switch mounting screw Ibf-ft (N·m) Auto switch model Tightening torque D-M9□(V) Ibf-ft (V)	⑦ The detection position can be changed under the conditions in step ⑤.	 switch without adjusting the auto switch position. Note 1) Ensure that the auto switch is covered with the mating groove to protect the auto switch. Note 2) The tightening torque of the hexagon socket head cap screw (M2.5 x 6 L, M2.5 x 9.5 L) must be 0.15 to 0.22 lbf.ft (0.2 to 0.3 N·m). 	w Speed Cylinders	casx
	D-M9_W(V) 0.04 to 0.11 (0.05 to 0.15) D-M9_A(V) 0.07 to 0.15 (0.10 to 0.20)	Auto switch mounting screw (M3 x 0.5 x 8 L) Auto switch Auto switch fixing screw	Note 3) Tighten the hexagon socket head cap screws evenly.	Low	CQ2X
		(M 2.5 x 0.45 x 10 L) Auto switch spacer Auto switch mounting nut	Hexagon socket head cap screw (attached to the auto switch) (M 2.5 x 9.5 L) Hexagon socket head cap screw (M2.5 x 6 L)		CUX
			Auto switch mounting bracket		Auto Switch
	nounting bracket and auto switch are enclosed w ounting bracket for the D-F7BA(V) type uses the I				Made to Order



Series MGP

Auto Switch Mounting

Applicable Cylinder: MGP-Z (Basic type), MGP-AZ (Air cushion)

Applicable auto switches	D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV D-A9□/A9□V		D-P3DWA
Bore size [mm]	ø12 to ø100		ø 25 to ø 100
Auto switch tightening torque	Auto switch model D-M9□(V) D-M9□W(V) D-M9□A(V) D-A9□(V)	[N·m] Tightening torque 0.05 to 0.15 0.10 to 0.20	0.2 to 0.3 N⋅m

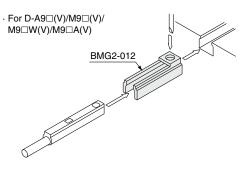
Applicable auto switches	D-P4DW
Bore size [mm]	ø32 to ø100
Auto switch mounting bracket part no.	BMG7-032
Auto switch mounting bracket/ Quantity	 Auto switch mounting bracket x 1 pc. Auto switch mounting nut x 1 pc. Hexagon socket head cap screw x 2 pcs. Hexagon socket head cap screw x 2 pcs. (With spring washer x 2 pcs.)
Auto switch mounting surface	
Mounting of auto switch	 Attach the auto switch to the auto switch mounting bracket with the hexagon socket head cap screw (M3 x 14 L). The tightening torque for the M3 hexagon socket head cap screw is 0.5 to 0.8 N·m. Fix the auto switch mounting nut and the auto switch mounting bracket temporarily by tightening the hexagon socket head cap screw (M2.5 x 5 L). Insert the temporarily fixed auto switch mounting bracket into the auto switch mounting groove, and slide the auto switch through the auto switch mounting groove. Check the detecting position of the auto switch and fix the auto switch firmly with the hexagon socket head cap screw (M2.5 x 5 L). The tightening torque for the M2.5 hexagon socket head cap screw is 0.2 to 0.3 N·m. If the detecting position is changed, go back to step 3.

*: Auto switch mounting brackets and auto switches are enclosed with the cylinder for shipment. For an environment that needs the water-resistant auto switch, select the D-M9□A(V) type.

Applicable Cylinder: MGP (With end lock), MGPS

	(Heavy duty	guide rod type)			
Auto switch model	Bore size [mm]				
Auto switch model	ø 25	ø32 to ø100			
D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV D-A9□/A9□V	BMG2-012				
D-P3DWA	BMG2-012				
D-P4DW	— BMG1-040				
. Culinders with an and look are sweilable in 200 to 2100					

Cylinders with an end lock are available in ø20 to ø100.
The heavy duty guide rod type is available in ø50 and ø80.



Auto switch model	Bore size [mm]							
/ die Switch meder	ø 32	ø 40	ø 50	ø 63	ø 80	ø 100	ø 125	
D-M9=/M9=V D-M9=W/M9=WV D-M9=A/M9=AV D-A9=/A9=V	BMB5-032	BMB5-032	BA7-040	BA7-040	BA7-063	BA7-063	BA7-080	
D-A3□/A44 D-G39/K39	BMB2-032	BMB2-040	BMB1-050	BMB1-063	BMB1-080	BMB1-100	BS1-125	
D-F5□/J59 D-F5□W/J59W D-F59F/F5BA D-F5NT D-A5□/A6□/A59W	BT-03	BT-03	BT-05	BT-05	BT-06	BT-06	BT-08	
D-P3DWA		BA10-040S	BA10-050S	BA10-050S	BA10-063S	BA10-063S	BA10-080S	
D-P3DW	BMB9-032S	—	—	—	—	—	—	
D-P4DW	BMB3T-040	BMB3T-040	BMB3T-050	BMB3T-050	BMB3T-080	BMB3T-080	BAP2T-080	
D-Y59□/Y69□ D-Y7P/Y7PV D-Y7□W/Y7□WV D-Y7BA D-Z7□/Z80	BMB4-032	BMB4-032	BMB4-050	BMB4-050	BA4-063	BA4-063	BA4-080	

[Stainless Steel Mounting Screw]

The following stainless steel mounting screw kit (including set screws) is available. Use it in accordance with the operating environment. (Since the auto switch mounting bracket is not included, order it separately.) BBA1: For D-A5/A6/F5/J5 types

Note 1) Refer to the **WEB catalog** or the Best Pneumatics No. 2 for details on the BBA1. The above stainless steel screws are used when a cylinder is shipped with the D-F5BA auto switch. When only one auto switch is shipped independently, the BBA1 is attached.

Note 2) When using the D-M9□A(V) or Y7BA, do not use the steel set screws which are included with the auto switch mounting brackets above (BMB5-032, BA7-□□□, BMB4-□□□, BA4-□□). Order a stainless steel screw kit (BBA1) separately, and use the M4 x 6 L stainless steel set screws included in the BBA1.

• The figure shows the mounting example for the D-M9□(V)/M9□W(V)/ M9□A(V)/A9□(V).

0

Operating Range

							[mm]	
Auto switch model	Bore size [mm]							
Auto switch model	32	40	50	63	80	100	125	
D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV	4	4.5	4.5	4.5	5	6	7	
D-Y59□/Y69□ D-Y7P/Y7□V D-Y7□W/Y7□WV D-Y7BA	5.5	5.5	7	7.5	6.5	5.5	7	
D-F5□/J59 D-F5□W/J59W D-F5BA/F5NT D-F59F	3.5	4	4	4.5	4.5	4.5	5	
D-G39/K39	9	9	9	10	10	11	11	
D-P3DWA	_	4.5	4.5	5	5	5.5	6.5	
D-P3DW	4.5	—	—	—	—	—	—	
D-P4DW	4	4	4	4.5	4	4.5	4.5	
D-A9□/A9□V	7	7.5	8.5	9.5	9.5	10.5	12	
D-Z7□/Z80	7.5	8.5	7.5	9.5	9.5	10.5	13	
D-A5□/A6□	9	9	10	11	11	11	10	
D-A59W	13	13	13	14	14	15	17	
D-A3□/A44	9	9	10	11	11	11	10	

 \ast Values which include hysteresis are for guideline purposes only, they are not a guarantee (assuming approximately $\pm 30\%$ dispersion) and may change substantially depending on the ambient environment.

ting, Single Rod **MB**

Star

Acting, Double Rod

Double

Acting, Single Rod

Double

P Acting, Double Rod

Double

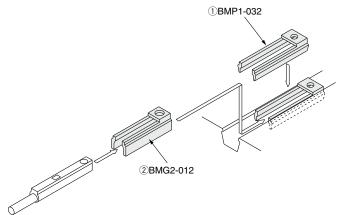
With End Lock

Non-rotating Rod

Auto switch model	Bore size [mm]		
	32 to 125		
D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV D-A9□/A9□V	Note) ① BMP1-032 ② BMG2-012		
D-Y5□/Y7P D-Y7□W D-Y6□/Y7PV D-Y7□WV D-Y7□WV D-Y7BA D-Z7□/Z80	① BMP1-032		

Note) Two kinds of auto switch mounting brackets are used as a set.

$D-M9\Box(V)/M9\BoxW(V)/M9\BoxA(V)/A9\Box(V)$



`	-	41 m m	Dene	-
סכ	era	una	Rang	e
- 1-				-

							[mm]	
Auto switch model			E	Bore siz	е	-		
Auto switch model	32	40	50	63	80	100	125	
D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV	4	4.5	5	6	6	6	7	
D-A9□/A9□V	7	7.5	8	9	9.5	10.5	12.5	₀
D-Y59□/Y69□ D-Y7P/Y7PV D-Y7□W/Y7□WV D-Y7BA	5	4.5	5	5	6.5	7	7	Standard
D-Z7□/Z80	10	10	10	11	11	12	14	

* Values which include hysteresis are for guideline purposes only, they are not a guarantee (assuming approximately $\pm 30\%$ dispersion) and may change substantially depending on the ambient environment.



Single Rod

Double

Acting, Sir **NB1**

e Acting, Double Rod MB1W

Double

Other than the applicable auto switches listed in "How to Order", the following auto switches are mountable.
Befer to the WEB catalog or the Best Pneumatics No 2 for the detailed specifications

Туре	Model	Electrical entry	Features	
	D-Y69A, Y69B, Y7PV		_	
	D-Y7NWV, Y7PWV, Y7BWV	Grommet (Perpendicular)	Diagnostic indication (2-color indication)	
Solid state	D-Y59A, Y59B, Y7P			
	D-Y7NW, Y7PW, Y7BW	Grommet (In-line)	Diagnostic indication (2-color indication)	
	D-Y7BA		Water resistant (2-color indication)	
Reed	D-Z73, Z76		_	
Reed	D-Z80	Grommet (In-line)	Without indicator light	

With pre-wired connector is also available for solid state auto switches. For details, refer to the WEB catalog or the Best Pneumatics No. 2.
 Normally closed (NC = b contact) solid state auto switches (D-F9G/F9H/Y7G/Y7H) are also available. For details, refer to the WEB catalog or the Best Pneumatics No. 2.

	Bore size (mm)								
Auto switch model	ø32	ø40	ø50	ø63	ø80	ø100			
D-M9_W/M9_WV D-M9_A/M9_AV D-M9_/M9_V D-A9_/A9_V	BMB5-032	BMB5-032	BA7-040	BA7-040	BA7-063	BA7-063			
D-A3□/A44 D-G39/K39	BMB2-032	BMB2-040	BMB1-050	BMB1-063	BMB1-080	BMB1-100			
D-A5 D-F5 JJ59 D-F5 W/J59W D-F59F/F5BA D-F59F/F5BA D-F5NT	BT-03	BT-03	BT-05	BT-05	BT-06	BT-06			
D-P3DWA	—	BA10-040S	BA10-050S	BA10-050S	BA10-063S	BA10-063S			
D-P3DW	BMB9-032S	—	—	—	—	—			
D-P4DW	BMB3T-040	BMB3T-040	BMB3T-050	BMB3T-050	BMB3T-080	BMB3T-080			
D-Z7□/Z80 D-Y59□/Y69□ D-Y7P/Y7PV D-Y7□W/Y7□WV D-Y7BA	BMB4-032	BMB4-032	BMB4-050	BMB4-050	BA4-063	BA4-063			

[Stainless Steel Mounting Screw]

The following stainless steel mounting screw kit (including set screws) is available. Use it in accordance with the operating environment. (Since the auto switch mounting bracket is not included, order it separately.) BBA1: For D-A5/A6/F5/J5 types

- Note 1) Refer to the WEB catalog or Best Pneumatics No. 3 for details on the BBA1.
 - The above stainless steel screws are used when a cylinder is shipped with the D-F5BA auto switch. When only the auto switch is shipped independently, the BBA1 is attached.

Note 2) When using the D-M9□A(V) or Y7BA, do not use the steel set screws which are included with the auto switch mounting brackets above (BMB5-032, BA7-□□, BMB4-□□, BA4-□□). Order a stainless steel screw kit (BBA1) separately, and use the M4 x 6 L stainless steel set screws included in the BBA1.

Other than the applicable auto switches listed in "How to Order", the following auto switches are mountable. Refer to the WEB catalog or Best Pneumatics No. 3 for the detailed specifications. Туре Model Electrical entry Features D-A93V/A96V Grommet (Perpendicular) D-A90V Without indicator light D-B35 Reed D-A53/A56/Z73/Z76 Grommet (In-line) D-A67/Z80 Without indicator light D-M9NV/M9PV/M9BV D-Y69A/Y69B/Y7PV D-M9NWV/M9PWV/M9BWV **Diagnostic indication** Grommet (Perpendicular) (2-color indication) D-Y7NWV/Y7PWV/Y7BWV D-M9NAV/M9PAV/M9BAV Water resistant (2-color indication) D-P4DW Magnetic field resistant (2-color indication) D-F59/F5P/J59 Solid state D-Y59A/Y59B/Y7P D-Y7H D-F59W/F5PW/J59W **Diagnostic indication** Grommet (In-line) (2-color indication) D-Y7NW/Y7PW/Y7BW D-F5BA/Y7BA Water resistant (2-color indication) D-F5NT With timer D-P5DW Magnetic field resistant (2-color indication) * With pre-wired connector is also available for solid state auto switches. For details, refer to the WEB catalog or Best Pneumatics No. 3. Normally closed (NC = b contact) solid state auto switches (D-F9G/F9H/Y7G/Y7H) are also available. For details, refer to pages the WEB

The figure shows the

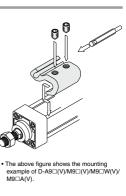
 $M9\Box W(V)/M9\Box A(V).$

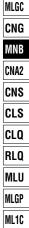
mounting example for the $D-A9\Box(V)/M9\Box(V)/$

catalog or Best Pneumatics No. 3.

SMC

Auto switch model			Bore siz	ze (mm)		
Auto switch model	ø 32	ø 40	ø 50	ø 63	ø 80	ø100
D-M9 //M9 V D-M9 W/M9 WV D-M9 A/M9 AV D-A9 //A9 V	BMB5-032	BMB5-032	BA7-040	BA7-040	BA7-063	BA7-063
D-A3□/A44 D-G39/K39	BMB2-032	BMB2-040	BMB1-050	BMB1-063	BMB1-080	BMB1-100
D-A5□/A6□ D-A59W D-F5□/J59 D-F5□W/J59W D-F5□F D-F5BA D-F5BA D-F5NT	BT-03	BT-03	BT-05	BT-05	BT-06	BT-06
D-P3DWA	_	BA10-040S	BA10-050S	BA10-050S	BA10-063S	BA10-063S
D-P3DW	BMB9-032S	_	_	_	_	_
D-P4DW	BMB3T-040	BMB3T-040	BMB3T-050	BMB3T-050	BMB3T-080	BMB3T-080
D-Z7 //Z80 D-Y59 //Y69 // D-Y7P/Y7PV D-Y7 // WV D-Y7 // WV D-Y7 BA	BMB4-032	BMB4-032	BMB4-050	BMB4-050	BA4-063	BA4-063





CLJ2 CLM2 CLG1 CL1

[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 bracket separately, since it is not included.) BBA1: For D-A5/A6/F5/J5 types

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 is attached. Note 1) Refer to page 1997 for the details of BBA1.

I

Note 2) When using D-M9□A(V)/Y7BA, do not use the steel set screws which is included with the auto switch mounting brackets above (BMB5-032, BA7-00, BMB4-00, BA4-00). Order a stainless steel screw set (BBA1) separately, and select and use the M4 x 6L stainless steel set screws included in the BBA1.

----Besides the models listed in How to Order, the following auto switches are applicable. For detailed specifications, refer to pages 1893 to 2007.

Auto switch type	Model	Electrical entry (Fetching direction)	Features	
	D-A93V, A96V		_	
Reed	D-A90V	Grommet (Perpendicular)	Without indicator light	
Reed	D-A53, A56, Z73, Z76	Grommet (In-line)	_	
	D-A67, Z80	Grommet (m-line)	Without indicator light	
	D-M9NV, M9PV, M9BV			
	D-Y69A, Y69B, Y7PV	-		
	D-M9NWV, M9PWV, M9BWV	Grommet (Perpendicular)	Diagnostic indication (2-color indication)	
	D-Y7NWV, Y7PWV, Y7BWV			
	D-M9NAV, M9PAV, M9BAV	-	Water resistant (2-color indication)	
Solid state	D-F59, F5P, J59			
Solid state	D-Y59A, Y59B, Y7P		_	
	D-F59W, F5PW, J59W	-	Diagnostic indication	
	D-Y7NW, Y7PW, Y7BW	Grommet (In-line)	(2-color indication)	
	D-F5BA, Y7BA		Water resistant (2-color indication)	
	D-F5NT	-	With timer	
	D-P5DW		Magnetic field resistant (2-color indication	

refer to pages 1960 and 1961 Nith pre-wired co nnector is available for solid state auto swit

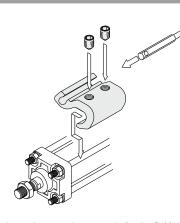
* Normally closed (NC = b contact), solid state auto switch (D-F9G/F9H/Y7G/Y7H type) are also available. For details, refer to pages 1911

and 1913 _ _ _ _ _ _

D-🗆 -X□

<Tie-rod mounting>

Auto switch		Bore size (mm)					
model	40	50	63	80	100		
D-M9 //M9 V D-M9 W/M9 WV D-M9 A/M9 AV D-A9 //A9 V	BA7-040	BA7-040	BA7-063	BA7-080	BA7-080		
D-F5□/J59 D-F5□W/J59W D-F59F/F5NT D-A5□/A6□ D-A59W	BT-04	BT-04	BT-06	BT-08	BT-08		
D-G39C/K39C D-A3□C/A44C	BA3-040	BA3-050	BA3-063	BA3-080	BA3-100		
D-Y59□/Y69□ D-Y7P/Y7PV D-Y7□W/Y7□WV D-Y7BA D-Z7□/Z80	BA4-040	BA4-040	BA4-063	BA4-080	BA4-080		
D-P3DW	BMB9-050S	BMB9-050S	BA9T-063S	BA9T-080S	BA9T-080S		
D-P4DW	BAP2-040	BAP2-040	BAP2-063	BAP2-080	BAP2-080		



* The figure shows the mounting example for the D-M9□(V)/M9□W(V)/ M9□A(V)/A9□(V) types.

<Band mounting> Expont air bydro ty

Except	all-liy	uro	type	
				-

Auto switch	Bore size (mm)						
model	40	50	63	80	100		
D-G39/K39 D-A3□/A44	BDS-04M	BDS-05M	BMB1-063	BMB1-080	BMB1-100		
D-G5□/K59 D-G5□W/K59W D-G59F D-G5NT D-G5NB D-B5□/B64 D-B59W	BH2-040	BA5-050	BAF-06	BAF-08	BAF-10		

Air-hydro type

Auto switch	Bore size (mm)					
model	40	50	63	80	100	
D-G39/K39 D-A3□/A44	BD1-04M	BD1-05M	BD1-06M	BD1-08M	BD1-10M	
D-G5□/K59 D-G5□W/K59W D-G59F D-G5NT D-G5NB D-B5□/B64 D-B59W	BA-04	BA-05	BA-06	BA-08	BA-10	

Note 1) Auto switch brackets are included in the D-A3 C/A44C/G39C/K39C types. Specify the part number as follows depending on the cylinder size when ordering. (Example) ø40: D-A3 C-4, ø50: D-A3 C-5, ø63: D-A3 C-6, ø80: D-A3 C-8, ø100: D-A3 C-10

[Stainless Steel Mounting Screw]

The following stainless steel mounting screw kit (including set screws) is also available. Use it in accordance with the operating environment.

(Since the auto switch mounting bracket and band are not included, order them separately.)

BBA1: For D-A5/A6/F5/J5 types BBA3: For D-B5/B6/G5/K5 types

Note 2) Refer to the WEB catalog or the Best Pneumatics No. 2 for details on the BBA1 and BBA3. The above stainless steel screws are used when a cylinder is shipped with D-F5BA or G5BA auto switches. When only an auto switch is shipped independently, the

BBA1 or BBA3 is attached.

Note 3) When using the D-M9 A(V) or Y7BA, do not use the steel set screws which are included with the above auto switch mounting brackets (BA7-DD, BA4-

DDD). Order a stainless steel screw kit (BBA1) separately, and use the M4 x 6 L stainless steel set screws included in the BBA1.

Note 4) There is a difference in the cylinder tube thickness depending on the cylinder model. Use caution when a band mounting type is used as an applicable auto switch and a cylinder model is changed.

Other than the applicable auto switches listed in "How to Order", the following auto switches are mountable. Refer to the WEB catalog or the Best Pneumatics No. 2 for the detailed specifications.

Туре	Model	Electrical entry	Features	
	D-M9NV/M9PV/M9BV			
	D-Y69A/Y69B/Y7PV		—	
	D-M9NWV/M9PWV/M9BWV	Grommet (Perpendicular)	Diagnostic indication	
	D-Y7NWV/Y7PWV/Y7BWV		(2-color indication)	
	D-M9NAV/M9PAV/M9BAV		Water resistant (2-color indication	
Colid state	D-Y59A/Y59B/Y7P D-F59/F5P/J59			
Solid state				
	D-Y7NW/Y7PW/Y7BW	Y7NW/Y7PW/Y7BW Diagnostic indicat	Diagnostic indication	
	D-F59W/F5PW/J59W	Grommet (In-line)	(2-color indication)	
	D-M9NAV/M9PAV/M9BAV Wate D-Y59A/Y59B/Y7P D-F59/F5P/J59 D-Y7NW/Y7PW/Y7BW D-F59W/F5PW/J59W D-F59W/F5PW/J59W Grommet (In-line) D-F5BA/Y7BA Wate D-F5NT/G5NT Wate	Water resistant (2-color indication		
	D-F5NT/G5NT		With timer	
	D-P5DW		Magnetic field resistant (2-color indication	
	D-A93V/A96V	Crommet (Derpendicular)	_	
Dead	D-A90V		Without indicator light	
Reed	D-A53/A56/B53/Z73/Z76	Crommet (In Jine)	_	
	D-A67/Z80		Without indicator light	

* With pre-wired connector is also available for solid state auto switches. For details, refer to the WEB catalog or the Best Pneumatics No. 2. * Normally closed (NC = b contact) solid state auto switches (D-F9G/F9H/Y7G/Y7H) are also available. For details, refer to the WEB catalog or the Best Pneumatics No. 2.

CA2W

Bod

Von-rotating Roc

CAZKW

CBA2

CA2

CA2W⊟H

CA2 Q -ow Friction

Auto Switch

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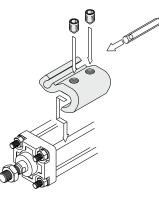
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<Tie-rod mounting>

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Auto switch	Bore size (mm)					
model	40	50	63	80	100	
D-A9 /A9 V D-M9 /M9 V D-M9 W/M9 WV D-M9 A/M9 AV	BA7-040	BA7-040	BA7-063	BA7-080	BA7-080	
D-A5□/A6□ D-A59W D-F5□/J5□ D-F5□W/J59W D-F59F/F5NT	BT-04	BT-04	BT-06	BT-08	BT-08	
D-A3□C/A44C D-G39C/K39C	BA3-040	BA3-050	BA3-063	BA3-080	BA3-100	
D-Z7[/Z80 D-Y59[]/Y69[] D-Y7P/Y7PV D-Y7[]W/Y7[]WV D-Y7BA	BA4-040	BA4-040	BA4-063	BA4-080	BA4-080	
D-P3DW	BMB9-050S	BMB9-050S	BA9T-063S	BA9T-080S	BA9T-080S	
D-P4DW	BAP2-040	BAP2-040	BAP2-063	BAP2-080	BAP2-080	



	Bore size (mm)				
model	40	50	63	80	100
D-A3⊟/A44 D-G39/K39	BDS-04M	BDS-05M	BMB1-063	BMB1-080	BMB1-10
D-B5⊡/B64 D-B59W D-G5⊡/K59 D-G5⊡W/K59W D-G59F D-G5NT D-G5NB	BH2-040	BA5-050	BAF-06	BAF-08	BAF-10
D-A3 C-6, [Stainless Steel The following stainle available. Use it in a (Since the auto swit BBA1: For BBA3: For Note 2) Refer to the BBA1 and f	ess steel mou accordance ch mounting D-A5/A6/F5 D-B5/B6/G5 e WEB catal	C-10 Screw] nting screw k with the ope bracket is n 5/J5 types 5/K5 types log or Best k el screws are witches. Who	kit (including rating enviro ot included, Pneumatics used when en only an a	set screws) i nment. order it sepa No. 3 for de a cylinder is s	s also rately.) tails on the shipped wit

* The figure shows the mounting example for the D-A9 \Box (V)/M9 \Box (V)/M9 \Box W(V)/M9 \Box A(V)L types.

Other than the applicable auto switches listed in "How to Order", the following auto switches are mountable. Refer to the WEB catalog or Best Pneumatics No. 3 for the detailed specifications.

Туре	Model	Electrical entry	Features	
	D-A93V/A96V		—	
Deed	D-A90V	Grommet (Perpendicular)	Without indicator light	
Reed	D-A53/A56/B53/Z73/Z76		_	
	D-A67/Z80	Grommet (Perpendicular) Grommet (In-line) Grommet (Perpendicular) Grommet (In-line)	Without indicator light	
	D-M9NV/M9PV/M9BV			
	D-Y69A/Y69B/Y7PV		_	
	Diagnostic indication			
	D-Y7NWV/Y7PWV/Y7BWV		(2-color indication)	
	D-M9NAV/M9PAV/M9BAV		Water resistant (2-color)	
	D-Y59A/Y59B/Y7P		-	
Solid state	D-F59/F5P/J59			
	D-Y7NW/Y7PW/Y7BW		Diagnostic indication	
	Reed D-A53/A56/B53/Z73/Z76 Grommet (In-line) D-A67/Z80 D-M9NV/M9PV/M9BV D-M9NV/M9PV/M9BV D-M9NV/M9PV/M9BV Argent (In-line) D-Y69A/Y69B/Y7PV D-M9NWV/M9PWV/M9BWV Grommet (Perpendicular) D-Y7NWV/Y7PWV/Y7BWV D-M9NAV/M9PAV/M9BAV D-Y59A/Y59B/Y7P D-F59/F5P/J59 D-Y59W/Y5PW/Y7BW Grommet (In-line) D-F59W/F5PW/J59W D-Y7NWY/Y7BW Grommet (In-line) D-F5BA/Y7BA D-F5NT/G5NT Grommet (In-line)	(2-color indication)		
		Water resistant (2-color)		
	D-F5NT/G5NT	1	With timer	
	D-P5DW		Magnetic field resistant (2-colo	

* Wide range detection type, solid state auto switch (D-G5NBL) is also available. For details, refer to the WEB catalog or Best Pneumatics No. 3.

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Auto Switch

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