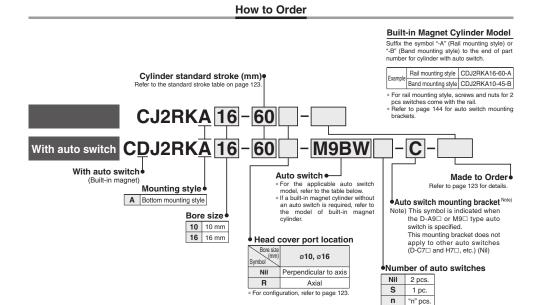
Air Cylinder: Direct Mount, Non-rotating Rod Type **Double Acting, Single Rod** Series CJ2RK ø10, ø16



Applicable Auto Switches/Befer to pages 1559 to 1673 for further information on auto switches

		Electrical	light	Wiring		Load voltage			Auto swit	ch model		Lea	d wire	e ler	ngth	(m)	Description															
Туре	Special function	entry	ndicator	(Output)		DC	AC	Band mounting		Rail mounting		0.5	1	3		None	Pre-wired connector	Applica	ble load													
		Citary	Indic	(Output)		DC	70	Perpendicular	In-line	Perpendicular	In-line	(Nil)	(M)	(L)	(Z)	(N)) connector															
				3-wire (NPN)		5 V, 12 V		M9NV	M9N	M9NV	M9N				0	-	0	IC circuit														
÷		Grommet Connector		3-wire (PNP)]	5 V, 12 V		M9PV	M9P	M9PV	M9P			۲	0	-	0															
switch							12 V		M9BV	M9B	M9BV	M9B				0	-	0														
			İ.	2-wire		12 V		—	H7C	J79C	—		-	٠			_															
auto				3-wire (NPN)]	5 V, 12 V		M9NWV	M9NW	M9NWV	M9NW				0	-	0	IC circuit	Delevi													
	Diagnostic indication (2-color indication)		Ye	Ye	Ye	Ye	Y	Ye	Ye	Ye	Ye	Ye	Ye	Ye	Ye	Yes	3-wire (PNP)	24 V	5 V, 12 V	—	M9PWV	M9PW	M9PWV	M9PW				0	-	0		Relay, PLC
state				2-wire]	12 V		M9BWV	M9BW	M9BWV	M9BW			٠	0	-	0	—	FLU													
s	Water resistant (2-color indication)	Grommet		3-wire (NPN)]	5 V, 12 V		M9NAV**	M9NA**	M9NAV**	M9NA**	0	0		0	-	0	IC circuit]													
Solid				3-wire (PNP)]	5 V, 12 V		M9PAV**	M9PA**	M9PAV**	M9PA**	0	0		0	-	0															
Ō								2-wire]	12 V		M9BAV**	M9BA**	M9BAV**	M9BA**	0	0		0	-	0	—]									
	With diagnostic output (2-color indication)]		4-wire (NPN)]	5 V, 12 V		_	H7NF	_	F79F		-		0	-	0	IC circuit	IC circuit													
٩												3-wire		5 V	_	A96V	A96	A96V	A96	•	_	•	_	_	_	IC circuit	_					
switch		o	Yes	(NPN equivalent)		<u> </u>	200 V			470	47011		-			-																
		Grommet			<u> </u>	-				A72	A72H A93				_	-	_	—														
auto	_		No	-			100 V	A93V	A93	A93V					•	-	_	IC aireuit	.													
a				0		12 V	100 V or less		A90	A90V	A90				_			IC circuit	Relay,													
Reed		Connector	Connector Yes	onnector	tor	24 V		_	_	C73C	A73C	_						_		PLC												
			No			2	24 V or less	_	C80C	A80C	_		1-		•	-	-	IC circuit	4													
	Diagnostic indication (2-color indication)	Grommet	Yes				—	_	_	A79W	_		-		-	-		—														

Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. Consult with SMC regarding water resistant types with the above model numbers.
 * Lead wire length symbols: 0.5 m...... Nil (Example) M9NW
 * Since there are other applicable auto switches with pre-wired connector
 * For details about auto switches with pre-wired connector

* Since there are other applicable auto switches than listed, refer to page 144 for detail * For details about auto switches with pre-wired connector, refer to pages 1626 and 1627.

3 m······ L (Example) M9NWL 5 m····· Z (Example) M9NWZ

None N (Example) H7CN

* Solid state auto switches marked with "O" are produced upon receipt of order. * D-A9=1/M9=1/A7=1/A80=/F7=1/J7=1 auto switches are shipped together (not assembled). (However, when D-A9=1/M9=

only auto switch mounting brackets are assembled before being shipped.) * When D-A9UI/M9III types are mounted on a rail, order auto switch mounting brackets separately. Refer to page 144 for details.



Air Cylinder: Direct Mount, Non-rotating Rod Type Double Acting, Single Rod Series CJ2RK

A cylinder which rod does not rotate because of the hexagonal rod shape.

Non-rotating accuracy ø10: ±1.5°, ø16: ±1°

Symbol

Made Ord

Symbol -XA🗆

-XC9

r

-XC51



Double acting, Single rod, Rubber bumper

Made to Order Specifications

Change of rod end shape

With hose nipple

(For details, refer to pages 1675 to 1818.)

Adjustable stroke cylinder/Adjustable retraction type

Precautions

Refer to page 82 and 90 before handling.

Specifications

Specifications

Bore size (mm)	10	16				
Action	Double actir	Double acting, Single rod				
Fluid	A	Air				
Proof pressure	1 M	ЛРа				
Maximum operating pressure	0.7	MPa				
Minimum operating pressure	0.06	0.06 MPa				
Ambient and fluid temperature	Without auto switch: –10°C to 70°C, With auto switch: –10°C to 60°C *					
Cushion	Rubber	Rubber bumper				
Lubrication	Not required	d (Non-lube)				
Stroke length tolerance		1.0				
Rod non-rotating accuracy	±1.5°	±1°				
Piston speed	50 to 7	50 to 750 mm/s				
Allowable kinetic energy	0.035 J	0.090 J				

Standard Stroke

Bore size	Standard stroke	Í	-Z
10	15, 30, 45, 60, 75, 100, 125, 150		CG
16	15, 30, 45, 60, 75, 100, 125, 150, 175, 200		
* Manufacture of in	ermediate strokes at 1 mm intervals is possible. (Spacers are not used.)		CG

Accessory/For details, refer to page 71.

Standard equipment	Rod end nut	IVIB
Option **	Single knuckle joint, Double knuckle joint *	MB
* Knuckle pin and retaining ** Please order separate	ng ring are shipped together with double knuckle joint. ly.	CA2

Head Cover Port Location

Either perpendicular to the cylinder axis or in-line with the cylinder axis is available for basic style.



Axial



Perpendicular

)	
	Down

(g)

Refer to pages 138 to 144 for cylinders with auto switches.	
Ref. Sec. as a second as the rest of the second second second second	Ī

- · Minimum stroke for auto switch mounting
- · Proper auto switch mounting position (detection at stroke end) and mounting height
- · Operating range
- · Switch mounting bracket part no.

Weight

Bore size (mm)	10	16
Basic weight *	33	61.5
Additional weight per each 15 mm of stroke	4	6.5

* Rod end nut is included in the basic weight.

- Calculation: (Example) CJ2RKA10-45
 - Basic weight------ 33 (ø10)
 - Additional weight 4/15 stroke
 - Cylinder stroke 45 stroke $33 + 4/15 \times 45 = 45 g$



(mm)



Series CJ2RK

<u>∧</u>Caution

Caution on Handling

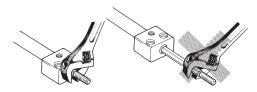
- <When mounting>
- Avoid using the air cylinder in such a way that rotational torque would be applied to the piston rod because this will deform the non-rotating guide, thus affecting the non-rotating accuracy.

Allowable rotational torque (N·m)	ø 10	ø 16						
Allowable rotational torque (N-III)	0.02	0.04						
Operate the cylinder in such a way that the load to the niston rod is always.								

 Operate the cylinder in such a way that the load to the piston rod is always applied in the axial direction.

 To screw a bracket onto the threaded portion at the tip of the piston rod, make sure to retract the piston rod entirely, and place a wrench over the flat portion of the rod that protrudes.

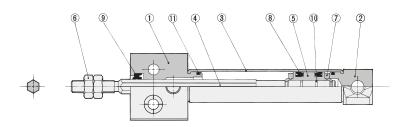
Tighten it by giving consideration to prevent the tightening torque from being applied to the non-rotating guide.



124



Construction (Not able to disassemble)

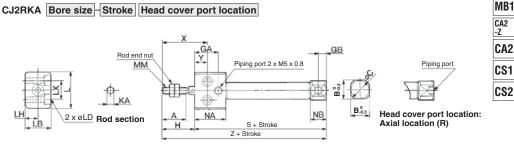


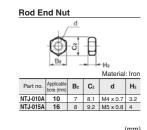
Component Parts

No.	Description	Material	Note			
1	Rod cover	Aluminum alloy	Anodized			
2	Head cover	Aluminum alloy	Anodized			
3	Cylinder tube	Stainless steel				
4	Piston rod	Stainless steel				
5	Piston	Aluminum alloy				
6	Rod end nut	Rolled steel	Zinc chromated			

				CM3
No.	Description	Material	Note	CIVIO
7	Bumper	Urethane		CG1
8	Piston seal	NBR		-Z
9	Rod seal	NBR		0.04
10	Piston gasket	NBR		CG1
11	Tube gasket	NBR		000
				CG3

Bottom Mounting Style





																			(11111)	
Bore size	Α	в	С	GA	GB	н	KA	L	LB	LD	LH	LX	MM	NA	NB	Х	Y	S	Z	
10	15	12	14	16	5	20	4.2	23	16	ø3.5, ø6.5 counterbore depth 4	8	12	M4 x 0.7	20.5	9.5	28	8	54	74	D-🗆
16	15	18.3	20	16	5	20	5.2	26	20	ø4.5, ø8 counterbore depth 5	10	16	M5 x 0.8	20.5	9.5	28	8	55	75	-X□

Technical data

CJ1 CJP CJ2 -Z

CJ2 CM2 -Z CM2

MB -Z

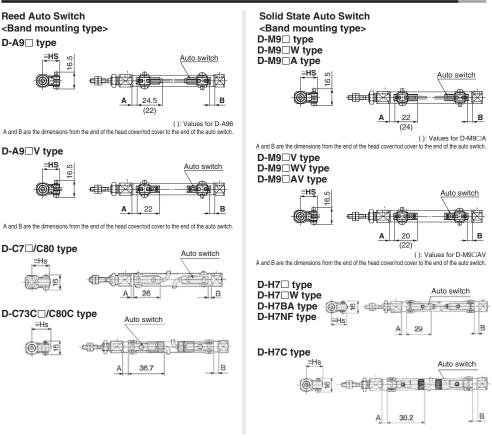
MB



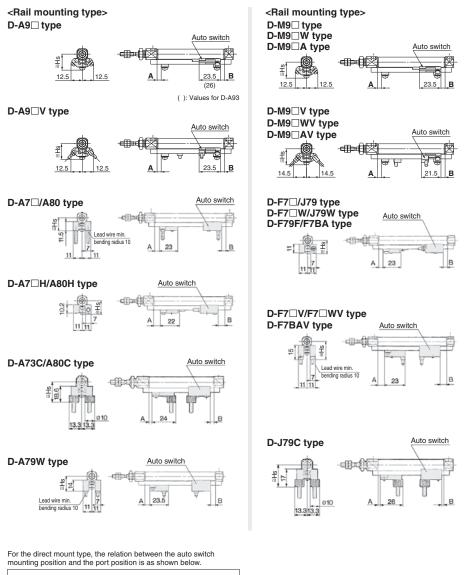
Best Pneumatics 2 Ver.5

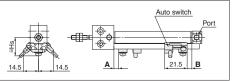
Series CJ2 Auto Switch Mounting

Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height



Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height





D--X Technical data

CJ1

CJP

CJ2 -Z

CJ2

CM2

CM2

CM3

CG1

CG1

CG3

MB -Z

MB

MB1

CA2

CA2

CS1

CS2

-7

-Z

-Z



Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height

Proper Auto	Switch	Mounting	g Positio	on (Singl	e acting	type exc	luded)	(mm)		
Auto switch										
model	D-M9	9⊟W 9⊟V 9⊟WV	D-A D-A		D-C D-C D-C D-C	80	D-H7⊡ D-H7C D-H7NF D-H7⊡W D-H7BA			
Bore size	Α	В	Α	В	Α	В	Α	В		
6	5.5[4.5] (12)	5.5[4.5] (4)	1.5[0.5] (8)	1.5[0.5] (0)	2 (8.5)	2 (0.5)	1 (7.5)	1 (0)		
10	6[5] 5[5]		2[1]	2[1]	2.5	2.5	1.5	1.5		
16	6.5[5.5]	6.5[5.5]	2.5[1.5]	2.5[1.5]	3	3	2	2		

Auto switch			_		_	Rail m	ounting		_			Ú
model	D-M9 D-M9 D-M9 D-M9 D-M9 D-M9	□V □W □WV □A	D-A D-A		D-4 D-4		D-A7 D-A73C/ D-F7 JD-F7 W D-F7 V, D-F79F D-J79C D-F7BA D-F7BA	/A80C 79 /J79W /F7⊡WV	D-F7	'nT	D-A	79W
Bore size	Α	В	Α	В	Α	В	Α	В	A	В	Α	В
6	_	_	_	_	_	_	-	_	_	_	_	_
10	4.5	4.5	0.5	0.5	3	3	3.5	3.5	8.5	8.5	0.5	0.5
16	5	5	1	1	3.5	3.5	4	4	9	9	1	1

* The values in () are measured from the end of the auto switch mounting bracket.

* Figures in parentheses for bore ø6 are for the double rod type (Series CJ2W).
 ** In the actual setting, adjust them after confirming the auto switch performance.

Auto Switch Mounting Height

Auto Switch	Mounting Heigh	t				(mm)
Auto switch			Band m	ounting		
model	D-M9 D-M9 W D-M9 A D-A9	D-M9⊡V D-M9⊡WV D-M9⊡AV D-A9⊡V	D-H7□/H7□W D-H7NF D-H7BA D-C7□/C80	D-C73C D-C80C	D-H7C	D-A7⊡ D-A80
Bore size	Hs	Hs	Hs	Hs	Hs	Hs
6	15	16	15	17.5	18	-
10	17	18	17	19.5	20	16.5
16	20.5	21	20.5	23	23.5	19.5

(mm)

(mm)

						()					
Auto switch		Rail mounting									
model	D-M9 D-M9 V D-M9 WV D-M9 AV D-M9 AV D-M9 AV D-A9 V	D-F7□/J79 D-F7□WJ79W D-F7BA/F79F D-F7NT D-A7□H/A80H	D-A73C D-A80C	D-F7⊡V D-F7⊡WV D-F7BAV	D-J79C	D-A79W					
Bore size	Hs	Hs	Hs	Hs	Hs	Hs					
6	-	-	-	-	-	-					
10	17.5	17.5	23.5	20	23	19					
16	21	20.5	26.5	23	26	22					



(mm) C 11

Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height Single Acting, Spring Return Type (S)

Proper auto switch mounting position: Spring return type (S)

• Direct mount type (CDJ2R

						A Dim	ensions				(11111)	CJ1
	Auto switch model	Bore size	10 to 15 st	16 to 30 st	31 to 45 st	46 to 60 st	61 to 75 st	76 to 100 st	101 to 125 st	126 to 150 st	В	CJP
		6	8	17	21	35	-			_	1.5	IJГ
	D-A9	10	8.5	16	28	40	_	_	_	_	2	CJ2
		16	8	16.5	28.5	40.5	46.5	70.5	88.5	100.5	2.5	-Z
		6	12	21	25	39	-	_	_	-	5.5	CJ2
ting	D-M9⊡ D-M9⊡W	10	12.5	20	32	44	-	_	_	_	6	032
Band mounting		16	12	20.5	32.5	44.5	50.5	74.5	92.5	104.5	6.5	CM2
Ê	D-C7□/C80	6	8.5	17.5	21.5	35.5	-	-	-	_	2	-Z
and	D-C73C	10	9	16.5	28.5	40.5	-	-	-	_	2.5	CM2
"	D-C80C	16	8.5	17	29	41	47	71	89	101	3	UIIIZ
	D-H7□/H7C	6	7.5	16.5	20.5	34.5	-	-	-	_	1	CM3
	D-H7□W/H7BA	10	8	15.5	27.5	39.5	—	—	—	_	1.5	
	D-H7NF	16	7.5	16	28	40	46	70	88	100	2	CG1
	D-A9□ D-A9□V	10	7	14.5	26.5	38.5	-				0.5	-Z
		16	6.5	15	27	39	45	69	87	99	1	CG1
	D-M9□/M9□V D-M9□W/M9□WV	10	11	18.5	30.5	42.5	_	-	-	_	4.5	
	D-M9DA/M9DAV	16	10.5	19	31	43	49	73	91	103	5	CG3
5	D-A7□/A80	10	9.5	17	29	41	-	_	_	-	3	MB
ntin	D-A/L/A00	16	9	17.5	29.5	41.5	47.5	71.5	89.5	101.5	3.5	-Z
Rail mounting	D-A7⊟H/A80H D-A73C/A80C	10	10	17.5	29.5	41.5		_		_	3.5	MB
Ra	D-F7□/J79 D-F7□W/J79W		10	17.5	20.0	41.0					0.0	MB1
	D-F7 V/F7 WV D-F79F/J79C D-F7BA	16	9.5	18	30	42	48	72	90	102	4	CA2 -Z
	D-F7BAV	10	15	22.5	34.5	46.5		_	_		8.5	CA2
	D-F7NT	16	14.5	23	35	47	53	77	95	107	9	
		10	7	14.5	26.5	38.5	_	_		_	0.5	CS1
	D-A79W	16	6.5	15	27	39	45	69	87	99	1	
└── * In	the actual setting, adjust t	hem after		uto switch perfor	mance.	1 - 3	1					CS2



SMC

Series CJ2

Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height Single Acting, Spring Extend Type (T)

Proper auto switch mounting position: Spring extend type (T)

Standard type (CDJ2
 --T)
 Non-rotating rod type (CDJ2K
 --T)

Direct mount type (CDJ2R - - - T)
 Non-rotating rod/Direct mount type (CDJ2RK - - - T)

							B Dimensions				(11111)
	Auto switch model	Bore size	Α	10 to 15 st	16 to 30 st	31 to 45 st	46 to 60 st	61 to 75 st	76 to 100 st	101 to 125st	126 to 150 st
		6	1.5	8	17	21	35	_	_	_	_
	D-A9	10	2	8.5	16	28	40	_	_	_	_
		16	2.5	8	16.5	28.5	40.5	46.5	69.5	88.5	100.5
	D-M9	6	5.5	12	21	25	39	—	—	_	-
mounting	D-M9	10	6	12.5	20	32	44	_	—	_	_
our	D IIIO III	16	6.5	12	20.5	32.5	44.5	50.5	73.5	92.5	104.5
18	D-C7□/C80	6	2	8.5	17.5	21.5	35.5	—	—	_	-
Band	D-C73C	10	2.5	9	16.5	28.5	40.5	_	_	_	_
1	D-C80C	16	3	8.5	17	29	41	47	71	89	101
	D-H7□/H7C	6	1	7.5	16.5	20.5	34.5	_	_	_	_
	D-H7□W/H7BA D-H7NF	10	1.5	8	15.5	27.5	39.5	_	_	_	_
		16	2	7.5	16	28	40	46	70	88	100
	D-A9	10	0.5	7	14.5	16.5	38.5	_	_	_	_
	D-A9⊡V	16	1	6.5	15	27	39	45	68	87	99
	D-M9□/M9□V D-M9□W/M9□WV	10	4.5	11	18.5	30.5	42.5	_	_	_	_
	D-M9DA/M9DAV	16	5	10.5	19	31	43	49	72	91	103
p g	D-A7□/A80	10	3	9.5	17	29	41	_	_	_	_
ntir	D AI GAO	16	3.5	9	17.5	29.5	41.5	47.5	71.5	87.5	101.5
Rail mounting	D-A7⊟H/A80H D-A73C/A80C D-F7⊒/J79 D-F7⊒W/J79W	10	3.5	10	17.5	29.5	41.5	_	_	_	_
	D-F7 V/F7 WV D-F79F/J79C D-F7BA D-F7BAV	16	4	9.5	18	30	42	48	72	90	102
	D-F7NT	10	8.5	15	22.5	34.5	46.5	-	-	_	_
		16	9	14.5	23	35	47	53	77	95	107
	D-A79W	10	0.5	7	14.5	26.5	38.5	—	—	—	-
	DAISH	16	1	6.5	15	27	39	45	69	87	99

SMC

* In the actual setting, adjust them after confirming the auto switch performance.

(mm)

Minimum Auto Switch Mounting Stroke

			-			(mm)	
Auto switch			1	o. of auto switch moun	1		
mounting			2 p		n pcs. (n: No.	, ,	
	D-M9□/M9□W D-M9□A	10	Different surfaces 15 Note 1)	Same surface 45 Note 1)	Different surfaces $15 + 35 \frac{(n-2)}{2}$	Same surface 45 + 15 (n-2) (n = 2, 3, 4, 5)	
	D-A9□ D-M9□V	5	15 Note 1)	35	(n = 2, 4, 6) Note 3) 15 + 35 $\frac{(n-2)}{2}$	35 + 25 (n-2) (n = 2, 3, 4, 5)	CJ1
	D-M9⊡WV D-M9⊡AV	10	15 Note 1)	35	$(n = 2, 4, 6)^{Note 3}$ $15 + 35 \frac{(n-2)}{2}$ $(n = 2, 4, 6)^{Note 3}$	35 + 25 (n-2) (n = 2, 3, 4, 5)	CJP
Band mounting	D-A9□V	5	10	35	$\frac{(n = 2, 4, 6) \text{ Note 3}}{10 + 35 \frac{(n-2)}{2}}$ $(n = 2, 4, 6) \text{ Note 3}$	35 + 25 (n-2) (n = 2, 3, 4, 5…)	CJ2 -Z CJ2
	D-C7□ D-C80	10	15	50	$(n = 2, 4, 6)^{(n-2)}$ (n = 2, 4, 6) Note 3)	50 + 20 (n-2) (n = 2, 3, 4, 5…)	CM2 -Z
	D-H7□/H7□W D-H7BA D-H7NF	10	15	60	15 + 45 (n-2) (n = 2, 4, 6) Note 3)	60 + 22.5 (n-2) (n = 2, 3, 4, 5…)	CM2
	D-C73C D-C80C D-H7C	10	15	65	$15 + 50 \frac{(n-2)}{2}$ (n = 2, 4, 6) Note 3)	50 + 27.5 (n-2) (n = 2, 3, 4, 5…)	CM3
	D-M9□V	5	_	5	_	10 + 10 (n-2) (n = 4, 6) Note 4)	CG1 -Z
	D-A9□V	5	-	10	_	10 + 15 (n-2) (n = 4, 6) Note 4)	CG1
	D-M9 D-A9	10(5)	_	10	_	15 + 15 (n-2) (n = 4, 6) Note 4)	CG3
	D-M9⊡WV D-M9⊡AV	10	-	15	-	15 + 15 (n-2) (n = 4, 6···) Note 4)	MB
	D-M9⊡W	15(10)	_	15	_	20 + 15 (n-2) (n = 4, 6···) Note 4)	-Z
	D-M9□A	15(10)	-	20(15)	_	20 + 15 (n-2) (n = 4, 6···) Note 4)	MB
Rail mounting	D-A7□/A80 D-A7□H/A80H D-A73C/A80C	5	_	10	_	15 + 10 (n-2) (n = 4, 6) Note 4)	MB1
	D-A7⊟H D-A80H	5	-	10	_	15 + 15 (n-2) (n = 4, 6) Note 4)	CA2 -Z
	D-A79W	10	-	15	-	10 + 15 (n-2) (n = 4, 6) Note 4)	CA2
	D-F7 D-J79	5	-	5	-	15 + 15 (n-2) (n = 4, 6) Note 4)	CS1
	D-F7□V D-J79C	5	-	5	_	10 + 10 (n-2) (n = 4, 6) Note 4)	CS2
	D-F7⊟W/J79W D-F7BA/F79F D-F7NT	10	-	15	_	15 + 20 (n-2) (n = 4, 6) ^{Note 4)}	692
	D-F7□WV D-F7BAV	10	-	15	-	10 + 15 (n-2) (n = 4, 6) Note 4)	

Note 3) When "n" is an odd number, an even number that is one larger than this odd number is used for the calculation. Note 4) When "n" is an odd number, an even number that is one larger than this odd number is used for the calculation. However, the minimum even number is 4. So, 4 is used for the calculation when "n" is 1 to 3.

Note 1) Auto switch mounti		
		to switches
	Different surfaces Note 1)	Same surface Note 1)
Auto switch model	Auto switch D-M9 (V) D-M9 (V) D-M9 (V) D-M9 (V) D-M9 (V) D-M9 (V) The proper auto switch mounting position is 5.5 mm inward from the switch holder edge. The above A and B indicate values for band mounting in the table of page 53.	The auto switch is mounted by slightly displacing it in a direction (cylinder tube circumferential exterior) so that the auto switch and lead wire do not interfere with each other.
D-M9□/M9□W/M9□A	Less than 20 stroke Note 2)	Less than 55 stroke Note 2)
D-A90/A93	_	Less than 50 stroke Note 2)

Note 2) Minimum stroke for auto switch mounting in styles other than those in Note 1.



Operating range

_				(mm)
	Auto outitals model	B	ore siz	e
	Auto switch model		10	16
	D-A9	4.5	6	7
mounting	D-M9□ D-M9□W	2	2.5	3
Ĕ	D-C70/C80/C73C/C80C	6	7	7
Band	D-H7□/H7□W D-H7BA/H7NF	3	4	4
	D-H7C	5	8	9
	D-A9□/A9□V	-	6	6.5
ing	D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV	_	3	3.5
mounting	D-A7□/A80/A7H/A80H D-A73C/A80C	_	8	9
Rail	D-A79W	-	11	13
	D-F7□/J79/F7□W/J79W D-F7□V/F7□WV/F79F D-J79C/F7BA/F7BAV D-F7NT	_	5	5

* Since this is a guideline including hysteresis, not meant to be guaranteed. (Assuming approximately ±30% dispersion.) There may be the case it will vary substantially depending on an ambient environment.

Auto switch mounting brackets using stainless steel

Auto Switch Mounting Brackets for CJ5: Part No.

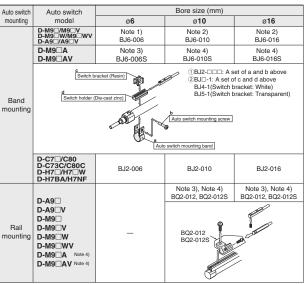
BJ2-010S

B.I2-016S

screws are available for stainless steel cylinder CJ5.

Bore size(mm) Auto switch mounting bracket part no.

Auto Switch Mounting Bracket: Part No.



Note 1) Set part number which includes the auto switch mounting band (BJ2-006) and the holder kit (BJ5-2/Switch bracket: Transparent).

Note 2) Set part number which includes the auto switch mounting band (BJ2-□□□) and the holder kit (BJ5-1/Switch bracket: Transparent).

- Note 3) Set part number which includes the auto switch mounting band (BJ2-006S) and the holder kit (BJ4-2/Switch bracket: Black).
- Note 4) Set part number which includes the auto switch mounting band (BJ2-DDS) and the holder kit (BJ4-1/Switch bracket: White).
- Note 5) When cylinders are shipped, only auto switch mounting brackets are assembled.
- Note 6) When a compact auto switch is mounted on a ø10 or ø16 rail, an auto switch bracket is needed, to be ordered separately. Order example
 - - CDJ2B10-60-A1
 - D-M9BWV ·····2 pcs.
 - BQ2-0122 pcs.

Note 7) For D-M9 A(V)L, order BQ2-012S, which uses stainless steel mounting screws

Note 8) For the D-M9 A (V) type auto switch, do not install the switch bracket on the indicator light.

[Stainless Steel Mounting Screw Kit]

The following set of stainless steel mounting screws is available. Use them in accordance with the operating environment. (Since auto switch brackets are not included, order them separately.)

BBA4: For D-C7/C8/H7 types Note 9) Refer to page 1656 for the details of BBA4 screws.

Stainless steel mounting screw

The above stainless steel screws are used when a cylinder is shipped with D-H7BA-type auto switches. When only a switch is shipped independently, BBA4 screws are attached.

In addition to the auto switches listed above, the following auto switches are also available. I п п

Refer to pages 1559 to 1673 for the detailed specifications

Note

Auto switch type	Mounting	Part no.	Electrical entry (Entry direction)	Features	Applicable bore size	
	Danal may retire	D-H7A1, H7A2, H7B		_	ø6 to ø16	
	Band mounting	D-H7NW, H7PW, H7BW		Diagnostic indication (2-color indication)	0010010	
		D-H7BA	Grommet	Water resistant (2-color indication)		
		D-F79, F7P, J79	(In-line)	—		
Solid state		D-F79W, F7PW, J79W		Diagnostic indication (2-color indication)		
	Rail mounting	D-F7BA		Water resistant (2-color indication)	ø10, ø16	
		D-F7NV, F7PV, F7BV	Grommet	—		
		D-F7NWV, F7BWV (Perpendicu		Diagnostic indication (2-color indication)		
		D-F7BAV	(i cipcilaicaiai)	Water resistant (2-color indication)		
	Band mounting	D-C73, C76		—	-0410	
	Band mounting	D-C80	Grommet	Without light	ø6 to ø16	
Reed		D-A73H, A76H	(In-line)	_	-	
neeu	Deilmeunting	D-A80H		Without light		
	Rail mounting	D-A73	Grommet	Ø10, Ø1		
		D-A80 (Perpendicular)		Without light	1	

Solid state auto switches are also available with a pre-wired connector. Refer to pages 1626 and 1627 for details

* Normally closed (NC = b contact) solid state auto switches (D-F9G/F9H types) are also available. Refer to page 1577 for details.

_____ _ _ _ _ _ _ _ _ _

Reference

10

16



Series CJ2 Made to Order: Individual Specifications

Please contact SMC for detailed dimensions, specifications, and lead times.



