Compact Cylinder: Standard Double Acting, Single Rod CQ2 Series ø4, ø6, ø10



How to Order CQ2B6-10D With auto switch CDQ2B6-10DMZ-M9BW With auto switch magnet

1 Mo	unting
В	Through-hole/Head end tapped

2 Bore size

· ·	
4	4 mm
6	6 mm
10	10 mm

Auto switches cannot be mounted on ø4.

Double acting

6	Body	option
---	------	--------

Nil	Rod end female thread (Without thread for ø4)
С	With rubber bumper
М	Rod end male thread

* Combined body options "CM" can be selected.

Cylinder stroke [m						
Bore size	Standard stroke					
4, 6	5, 10					
10	5, 10, 15, 20					
-, -	-, -					

6 Auto switch

* Solid state auto switches marked with a "O" are produced upon receipt of order.

Without auto switch Nil

For applicable auto switches, refer to the table below

Number of auto switches

-	
Nil	2
S	1
n	n

Applicable Auto Switches / Refer to the Web Catalog for further information on auto switches.

			to		Lo	ad volta	age	Auto swite	ch model	Lea	d wir	e len	gth [I	m]*2																						
Туре	Special function	Electrical entry	Indicato	Wiring (Output)	[C	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None	Pre-wired connector	Applic	able load																			
				3-wire (NPN)				F8N	—		—		0	—	—																					
				S-WIE (NFN)		5 V,		M9NV	M9N				0	—	0	IC																				
tch		Quuite (DN	3-wire (PNP)	1	12 V		F8P	—		—		0	—	—	circuit																					
švi	o switch	—		5-wile (1 111)								M9PV	M9P				0	—	0																	
		adnostic indication	2-wiro											24 V	24 V	24 V	24 V	24 V	24 V							12 V		F8B	_		—		0	—	—	
auto			Grommet	- Grommet	Grommet	Grommet	Grommet	Grommet	Grommet	Grommet	Grommet	Vac	2-wile							12 V		M9BV	M9B				0	—	0		Relay,					
Ite	Diagnostic indication											Cionnet	Gronnier	Cionnet	Cionnet	100	3-wire (NPN)		5 V,		M9NWV	M9NW			\bullet	0	—	0	IC	PLC						
state	0																	3-wire (PNP)										12 V		M9PWV	M9PW				0	—
lid						2-wire		12 V		M9BWV	M9BW				0	—	0	—																		
Sol	Water resistant (2-color indicator)			3-wire (NPN)		5 V,		M9NAV*1	M9NA *1	0	0		0	—	0	IC																				
			3-wire (PNP)		12 V		M9PAV*1	M9PA *1	0	0		0	—	0	circuit																					
				2-wire		12 V		M9BAV*1	M9BA*1	0	0		0	—	0	—																				

*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance.

Please contact SMC regarding water-resistant types with the above model numbers.

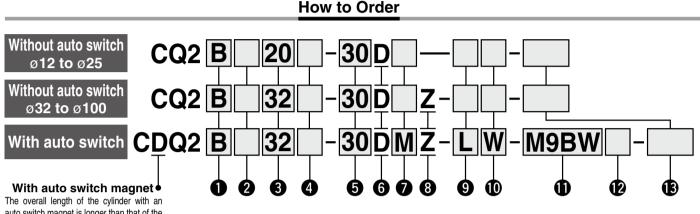
*2 Lead wire length symbols: 0.5 m Nil (Example) M9N

- 1 m M (Example) M9NM
- 3 m L (Example) M9NL
- 5 mZ (Example) M9NZ * For 2-color indicator, use caution on hysteresis. Refer to the "Auto Switch Hysteresis" section in the Web Catalog.

* For the detailed specifications of auto switches, refer to the Web Catalog.

Auto switches are shipped together with the product but do not come assembled.

Compact Cylinder: Standard Double Acting, Single Rod CQ2 Series ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100



auto switch magnet is longer than that of the cylinder without an auto switch magnet by the length of the built-in magnet. For details, refer to the dimensions of each size.

Mounting

В	Through-hole						
Α	Both ends tapped						
L	Foot						
LC	Compact foot						
F	Rod flange						
G	Head flange						
D	Double clevis						

- Mounting brackets are shipped together with the product but do not come assembled.
- * Refer to (9) for the through-hole type mounting bolt.
- For cylinders with mounting options "L," "LC," or "F," the cylinder rod protrusion dimensions (Dimensions L and L1) vary from the standard cylinder. When only ordering the cylinder, order the rod end length increased by 10 mm (-XC2) cylinder. For details \Rightarrow p. 178

U	ועי א				
Nil Pneumatic					
	Н	Air-hydro*1			
*1	The	bore sizes available for the			
	air-h	ydro type are ø20 to ø100.			

3 Bore size							
12	12 mm						
16	16 mm						
20	20 mm						
25	25 mm						
32	32 mm						
40	40 mm						
50	50 mm						
63	63 mm						
80	80 mm						
100	100 mm						

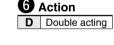
Port thread type

Nil	M thread	ø12 to ø25								
	Rc									
TN	NPT	ø32 to ø100								
TF	G									
F	Built-in One-touch fittings*1									

- *1 The bore sizes available with Onetouch fittings are ø32 to ø63. However, they cannot be selected for the airhydro type.
- * "TF" is not selectable for the air-hydro type.
- * For cylinders without an auto switch magnet, M threads are compatible only with ø32-5 mm stroke.

(For details on the minimum stroke for auto switch mounting ⇒ p. 157)

		ſm
Bore size	Standard stroke	
12, 16	5, 10, 15, 20, 25, 30	
20, 25	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	
32, 40	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100	
50, 63, 80, 100	10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100	



mm1

Bore size	Standard stroke
12, 16	5, 10, 15, 20, 25, 30
20, 25	5, 10, 15, 20, 25, 30, 35, 40, 45, 50
32, 40	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100
50, 63, 80, 100	10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100

* For long strokes exceeding the standard stroke range \Rightarrow p. 80

∗ For details on the manufacturing of intermediate strokes ⇒ p. 18

* The bore sizes available for the air-hydro type are ø20 to ø100.

9 Through-hole type mounting bolt

Nil None						
L Shipped together						
produc	ing bolt is shipped together with the only when the mounting bracket is nrough-hole). For details:					

Without auto switch magnet \Rightarrow p. 21 With auto switch magnet \Rightarrow p. 22

* When a made-to-order option is selected, the mounting bolt is not shipped together with the product. Please order it separately.

■ Rod end bracket (⇒ p. 34 to 36)

Nil	None						
D	Type A mounting bracket + Joint						
E	Type B mounting bracket + Joint						
V	Single knuckle joint						
W	Double knuckle joint						

* Options "D" and "E" must be used in combination with body option (Nil), the rod end female thread, and options "V" and "W" must be used in combination with body option (M), the rod end male thread.

* A knuckle pin is not provided with the single knuckle joint (V). If a pin is required, please order it separately. For details 🖒 p. 34

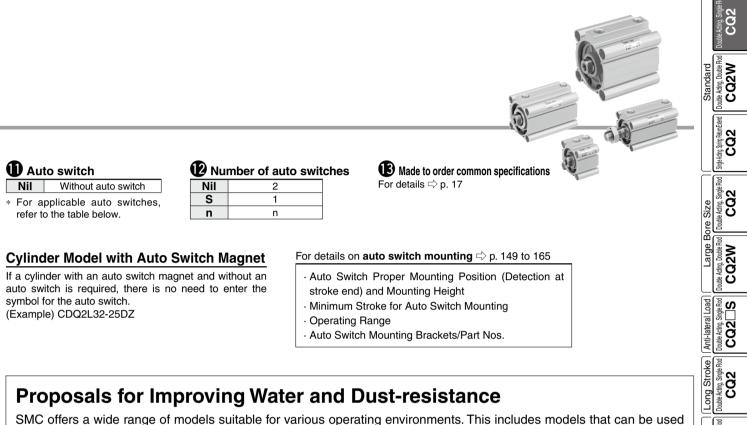
* When a made-to-order option is selected, the rod end bracket cannot be selected. Please order it separately.

Body option							
Nil Rod end female threa							
F	With boss on head end						
С	With rubber bumper*1						
M Rod end male threa							

- *1 The type with a rubber bumper is not selectable for the air-hydro type.
- * Combined body options, such as "FC," "FM," "FCM," and "CM" can be selected.

8	Auto switch mou	Inting groove
7	ø12 to ø25	2 surfaces
2	ø32 to ø100	4 surfaces

Compact Cylinder: Standard Double Acting, Single Rod CQ2 Series



SMC offers a wide range of models suitable for various operating environments. This includes models that can be used in environments that the basic model cannot, such as those where coolant liquid, water droplets/splashing, dust, etc., are present.

For details, refer to the Web Catalog.

- · Water-resistant cylinder
- \cdot Cylinder with Stable Lubrication Function (Lube-retainer)
- · Dust resistant cylinder

Applicable Auto Swite	ches / Refer to	o the Web Cat	talog for further information	on on auto switches.	
	<u> </u>		L and valtage	امام معمد ماماني	1

		Fleetricel			Lo	oad volta	age	Auto swite	ch model	Lead	d wir	e ler	ngth	[m]	Dre wined			Res						
Туре	Special function	Electrical entry	Indicator light	Wiring (Output)	D	C	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None	Pre-wired connector	Applicat	ole load	Water F						
				3-wire (NPN)		5 V,		M9NV	M9N			۲	0	—	0	IC circuit		S						
switch				3-wire (PNP)		12 V		M9PV	M9P	٠	٠		0	—	0	IC CIrcuit								
Ŵ				2-wire		12 V		M9BV	M9B				0	-	0	—								
	Diagnostic indiastion		3				3-wire (NPN)		Γ		24.1/	5 V,	V, [M9NWV	M9NW			•	0	-	0			
auto	Diagnostic indication	0		0	0		Grommot	Grommot	Yes	3-wire (PNP)		24 V -	12 V	V	M9PWV	M9PW			\bullet	0	—	0		Relay,
		Giommer	105	2-wire	24 V	24 V	12 V		M9BWV	M9BW		\bullet	\bullet	0	—	0	—	PLC	Piping					
state	Water resistant			3-wire (NPN)		5 V,		M9NAV*1	M9NA *1	0	0		0	—	0	IC circuit		L id						
	(2-color indicator)			3-wire (PNP)	12 V		M9PAV*1	M9PA *1	0	0	\bullet	0	—	0			Axial							
Solid	,			2-wire		12 V		M9BAV*1	M9BA*1	0	0	۲	0	—	0			Ă						
	Magnetic field resistant (2-color indicator)			2-wire (Non-polar)		—		—	P3DWA		—	\bullet		—	0									
itch		Grommet	3-wire (NPN equivalent)	—	5 V	—	A96V	A96		—	۲	—	—	—	IC circuit	_	í I							
Reed auto switch	Grommet		2-wire	24 V	12 V	100 V	A93V*2	A93					—	—		Relay,								
auto			No	2-1116	24 V	5 V,12 V	100 V or less	A90V	A90		—		—	—	—	IC circuit	PLC	Lock						

*1 Water-resistant type auto switches can be mounted on the models on page 15, but SMC cannot guarantee water resistance.

A water-resistant type cylinder (rightarrow p. 107) is recommended for use in environments which require water resistance.

*2 The 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil

- Vil (Example) M9NW * S M (Example) M9NWM * T
- 1 m ······· M (Example) M9NWM 3 m ······ L (Example) M9NWL
- 5 m ······· Z (Example) M9NWZ

* Solid state auto switches marked with a "O" are produced upon receipt of order.

 $\ast\,$ The D-P3DWA type is only available in sizes ø25 to ø100.

st There are applicable auto switches other than those listed above. For details ightarrow p. 165

Made to Order

Auto Switch

CQ2K

CQ2KW

Double Acting, Single Rod CQ2-R/V

CQ2W-R/V

CQP2

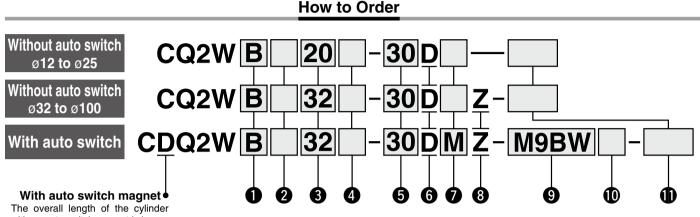
CQP2

CBQ2

With End

Non-rotating Rod

Compact Cylinder: Standard Double Acting, Double Rod CQ2V Series ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100



The overall length of the cylinder with an auto switch magnet is longer than that of the cylinder without an auto switch magnet by the length of the built-in magnet. For details, refer to the dimensions of each size.

Mounting

<u> </u>							
В	Through-hole						
Α	Both ends tapped						
L	Foot						
LC	Compact foot						
F	Flange						

- Mounting brackets are shipped together with the product but do not come assembled.
- A through-hole type mounting bolt is available as an option.
 For details ⇒ p. 42
- * For cylinders with mounting options "L," "LC," or "F," the cylinder rod protrusion dimensions (Dimensions L and L1) vary from the standard cylinder. When only ordering the cylinder, order the rod end length increased by 10 mm (-XC2) cylinder. For details ⇔ p. 178

2 Туре							
Nil	Pneumatic						
Н	Air-hydro ^{*1}						

*1 The bore sizes available for the air-hydro type are ø20 to ø100.

3	3 Bore size							
12	12 mm							
16	16 mm							
20	20 mm							
25	25 mm							
32	32 mm							
40	40 mm							
50	50 mm							
63	63 mm							
80	80 mm							
100	100 mm							

4 Port thread type

Nil	M thread	ø12 to ø25						
INII	Rc							
TN	NPT	ø32 to ø100						
TF	G							
F	Built-in One-touch fittings*1							

*1 The bore sizes available with Onetouch fittings are ø32 to ø63. However, they cannot be selected for the airhydro type.

 "TF" is not selectable for the air-hydro type.
 For cylinders without an auto switch magnet, M threads are compatible only with ø32-5 mm stroke.

5 Cylinder stroke (For details on the minimum stroke for auto switch mounting D p. 157)

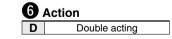
	[mm]
Bore size	Standard stroke
12, 16	5, 10, 15, 20, 25, 30
20, 25	5, 10, 15, 20, 25, 30, 35, 40, 45, 50
32, 40	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100
50, 63, 80, 100	10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100

* For the manufacturing of intermediate strokes \Rightarrow p. 39

* The bore sizes available for the air-hydro type are ø20 to ø100.

Body option

Nil	Rod end female thread			
С	With rubber bumper*1			
М	Rod end male thread			



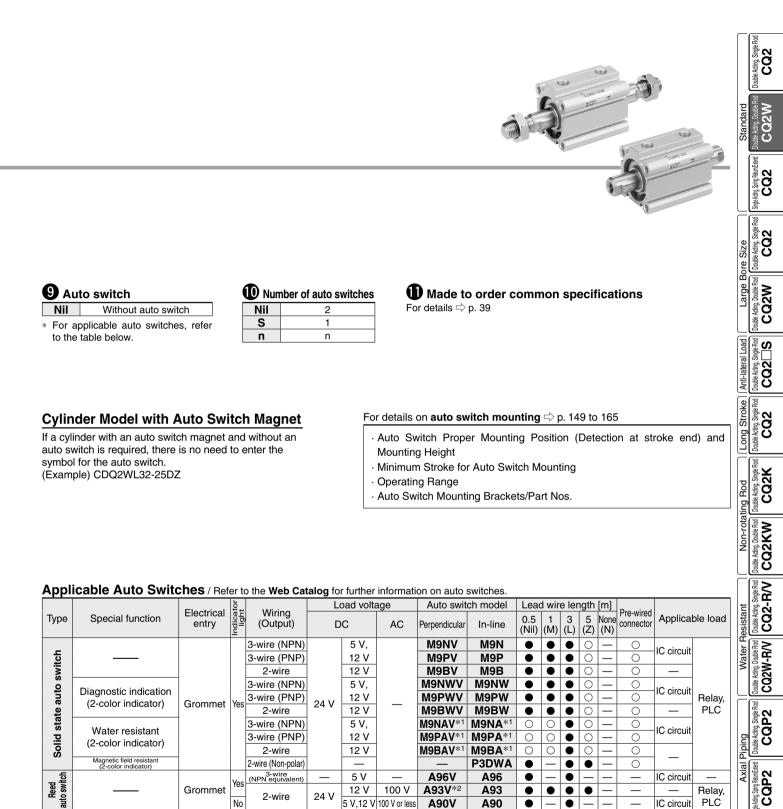
8 Auto switch mounting groove

-		J J
7	ø12 to ø25	2 surfaces
2	ø32 to ø100	4 surfaces

*1 The type with a rubber bumper is not selectable for the air-hydro type.

* Combined body options "CM" can be selected.

Compact Cylinder: Standard Double Acting, Double Rod CQ2W Series



Please contact SMC regarding water-resistant types with the model numbers on page 37. *2 The 1 m lead wire is only applicable to the D-A93.

24 V

Water-resistant type auto switches can be mounted on the models on page 37, but SMC cannot guarantee water resistance.

5 V,12 V 100 V or less

A90V

A90

2-wire

* Lead wire length symbols: 0.5 m Nil (Example) M9NW

- (Example) M9NWM 1 m M 3 m

* Solid state auto switches marked with a "O" are produced upon receipt of order. ∗ The D-P3DWA□ type is only available in sizes ø25 to ø100.

•

•

IC circuit

PLC

With End Lock CBQ2

hle Actino

Auto Switch

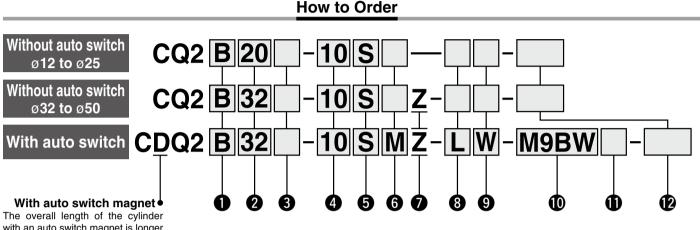
Made to Order

-L (Example) M9NWL
- 5 m Z (Example) M9NWZ

* There are applicable auto switches other than those listed above. For details in p. 165

No

Compact Cylinder: Standard Single Acting, Single Rod CQ2 Series ø12, ø16, ø20, ø25, ø32, ø40, ø50



The overall length of the cylinder with an auto switch magnet is longer than that of the cylinder without an auto switch magnet by the length of the built-in magnet. For details, refer to the dimensions of each size.

Mounting

_	U					
В	Through-hole					
Α	Both ends tapped					
L	Foot					
LC	Compact foot					
F	Rod flange					
G	Head flange					
D	Double clevis					

- * Mounting brackets are shipped together with the product but do not come assembled.
- Refer to ③ for the through-hole type mounting bolt.
 For cylinders with mounting options "L," "LC," or "F," the cylinder rod protrusion dimensions (Dimensions L and L1) vary from the standard cylinder. When only ordering the cylinder, order the rod end length increased by 10 mm (-XC2) cylinder.
 For details ⇔ p. 178

4 Cylinder stroke

(For details on the minimum stroke for auto switch mounting ▷ p. 157) [mm]			
Bore size	Standard stroke		
12, 16, 20, 25, 32, 40	5, 10		
50	10. 20		

* For the manufacturing of intermediate strokes □> p. 53

Auto switch mounting groove

7	ø12 to ø25	2 surfaces
2	ø32 to ø50	4 surfaces

Bore size 12 12 mm 16 16 mm 20 20 mm 25 25 mm 32 32 mm 40 40 mm 50 50 mm

3 Port thread type

Nil	M thread	ø12 to ø25		
INII	Rc			
TN	NPT	ø32 to ø50		
TF	G			
F	Built-in One-touch fittings*1			

*1 The bore sizes available with One-touch fittings are ø32 to ø50.

 For cylinders without an auto switch magnet, M threads are compatible only with ø32-5 mm stroke.

5 Action

S	Single acting, Spring return
Т	Single acting, Spring extend

8 Through-hole type mounting bolt

Nil	None	
L	Shipped together	

- * Mounting bolt is shipped together with the product only when the mounting bracket is "B" (Through-hole). For details □> p. 56
- When a made-to-order option is selected, the mounting bolt is not shipped together with the product. Please order it separately.

6 Body option

Nil Rod end female thread			
F	With boss on head end		
М	Rod end male thread		

* Combined body options "FM" can be selected.

9 Rod end bracket (\Rightarrow p. 34 to 36)

Nil	None		
D	Type A mounting bracket + Joint		
E	Type B mounting bracket + Joint		
V	Single knuckle joint		
W	Double knuckle joint		

* Options "D" and "E" must be used in combination with body option (Nil), the rod end female thread, and options "V" and "W" must be used in combination with body option (M), the rod end male thread.

* A knuckle pin is not provided with the single knuckle joint (V). If a pin is required, please order it separately. For details ⇔ p. 34

* When a made-to-order option is selected, the rod end bracket cannot be selected. Please order it separately.

Compact Cylinder: Standard Single Acting, Single Rod CQ2 Series

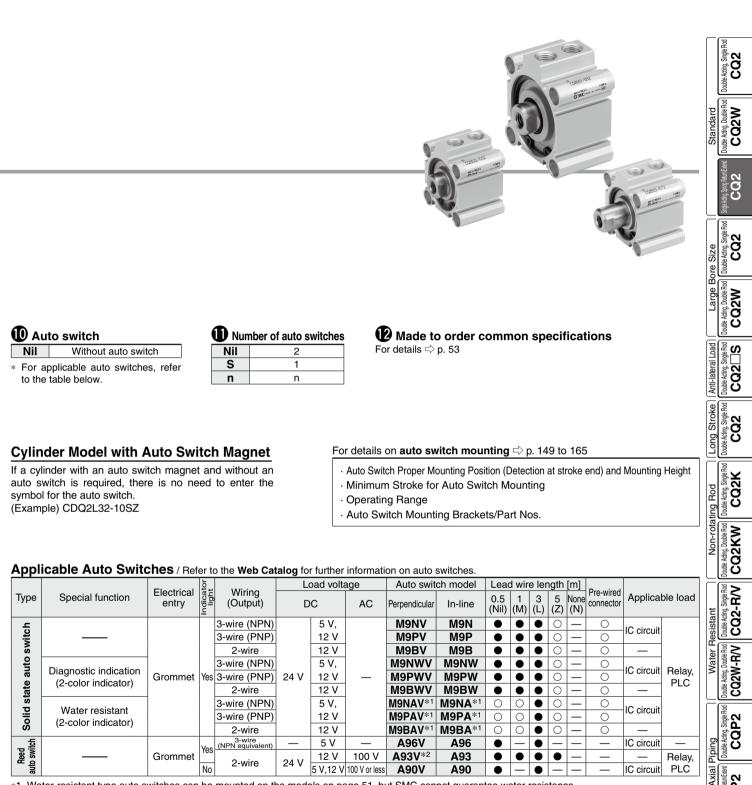
* Solid state auto switches marked with a "O" are produced upon receipt of order.

CQP2

uble Acting, Single Rod CBQ2 With End Lock

Auto Switch

₽ Made to Order



Water-resistant type auto switches can be mounted on the models on page 51, but SMC cannot guarantee water resistance.

Please contact SMC regarding water-resistant types with the model numbers on page 51.

*2 The 1 m lead wire is only applicable to the D-A93.

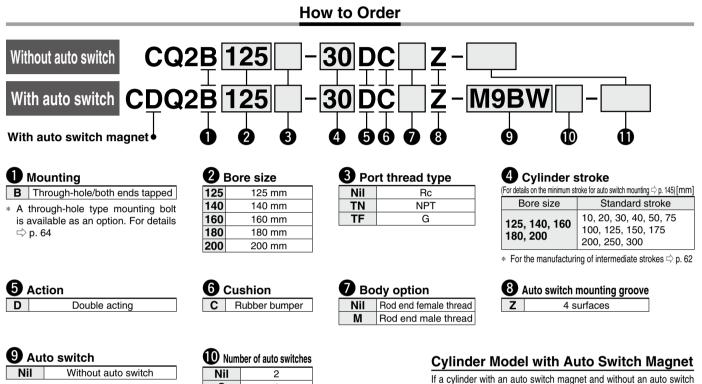
* Lead wire length symbols	: 0.5 m	1 Nil	(Example) M9NW
	1 m	M	(Example) M9NWM

(Example) M9NWL 3 m L

(Example) M9NWZ 5 m Z

∗ There are applicable auto switches other than those listed above. For details ⇒ p. 165

Compact Cylinder: Large Bore Size Double Acting, Single Rod CQ2 Series ø125, ø140, ø160, ø180, ø200



For applicable auto switches, refer to the table below.

S	1
n	n

Made to order common specifications

For details is p. 62

For details on **auto switch mounting** \Rightarrow p. 149 to 165

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

* Solid state auto switches marked with a "O" are produced upon receipt of order.

(Example) CDQ2B140-30DCZ

is required, there is no need to enter the symbol for the auto switch.

- · Minimum Stroke for Auto Switch Mounting
- · Operating Range
- · Auto Switch Mounting Brackets/Part Nos.

Applicable Auto Switches / Refer to the Web Catalog for further information on auto switches.

			ŗ		-	oad volta		Auto swit		Lead	l wir	e ler	ngth	[m]																	
Туре	Special function Electrical entry	Indicate	Wiring (Output)	C	C	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)	Pre-wired connector	Applical	ble load															
				3-wire (NPN)		5 V,		M9NV	M9N	•	\bullet		0	—	0	IC circuit															
switch				3-wire (PNP)		12 V		M9PV	M9P	•			0	—	0	IC circuit															
Ň				2-wire		12 V		M9BV	M9B	•	۲	۲	0	—	0	—															
uto s	Discussotia indiantian			3-wire (NPN)	24 V	24 V -												5 V,	5 V,		M9NWV	M9NW	•			0	—	0	IC circuit		
aut	(2-color indicator)		Yes	3-wire (PNP)			, 12 V		M9PWV	M9PW	•	۲	۲	0	—	0		Relay,													
		Gronnet	res	2-wire					24 V										24 V	24 V	12 V	_	M9BWV	M9BW	۲	۲	۲	0	—	0	—
state	Mater registerst			3-wire (NPN)															5 V,		M9NAV*1	M9NA *1	0	0	۲	0	—	0	IC circuit		
id	Water resistant (2-color indicator)			3-wire (PNP)																1			12 V		M9PAV*1	M9PA*1	0	0	•	0	-
Solid	,			2-wire											12 V		M9BAV*1	M9BA*1	0	0	۲	0	—	0							
	Magnetic field resistant (2-color indicator)			2-wire (Non-polar)		—		_	P3DWA	•	—		٠	—	0	_															
itch					Yes	3-wire (NPN equivalent)		5 V	—	A96V	A96		—	۲	—	—	_	IC circuit	—												
Reed o swit		Grommet	res	2-wire	24 V	12 V	100 V	A93V*2	A93	•	\bullet		٠	—	_	—	Relay,														
Reed auto switch		No	∠-wire	24 V	5 V,12 V	100 V or less	A90V	A90		—	۲	—	—	_	IC circuit	PLC															

*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance. Please contact SMC regarding water-resistant types with the above model numbers.

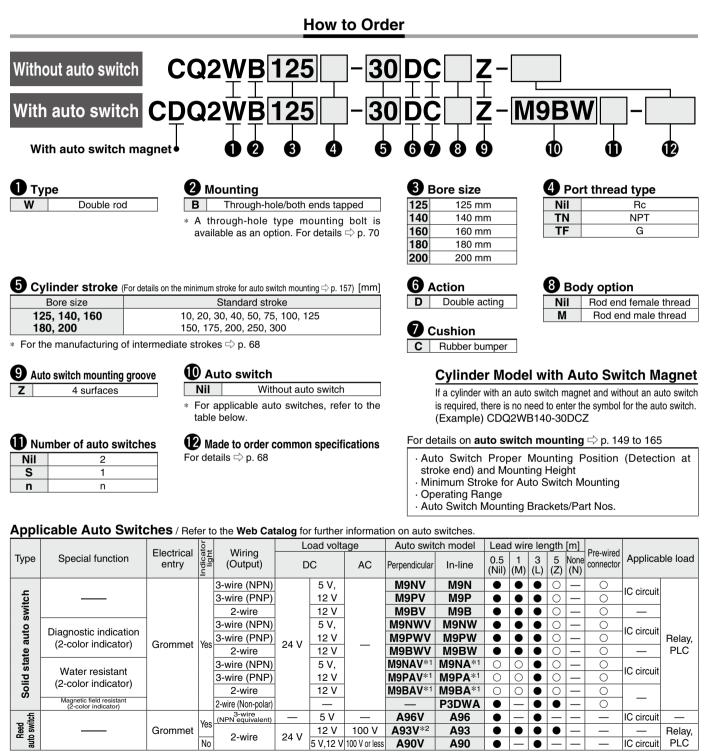
*2 The 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil

- (Example) M9NW (Example) M9NWM 1 m M 3 m L (Example) M9NWL
- 5 m Z (Example) M9NWZ

∗ There are applicable auto switches other than those listed above. For details ⇒ p. 165

Compact Cylinder: Large Bore Size Double Acting, Double Rod CQ2W Series ø125, ø140, ø160, ø180, ø200



Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance. Please contact SMC regarding water-resistant types with the above model numbers.

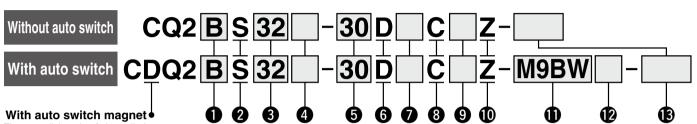
*2 The 1 m lead wire is only applicable to the D-A93.

- * Lead wire length symbols: 0.5 m Nil
 - (Example) M9NW 1 m M (Example) M9NWM 3 mL
 - (Example) M9NWL
 - 5 m Z (Example) M9NWZ
- ∗ There are applicable auto switches other than those listed above. For details ⇒ p. 165

* Solid state auto switches marked with a "O" are produced upon receipt of order.

Compact Cylinder: Anti-lateral Load CQ2 Series Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

How to Order



The overall length of the cylinder with an auto switch magnet is longer than that of the cylinder without an auto switch magnet by the length of the built-in magnet. For details, refer to the dimensions of each size.

2 Type

S

Mounting

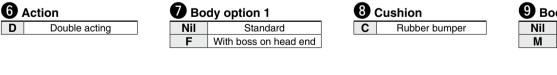
В	Through-hole				
Α	Both ends tapped				
L	Foot				
LC Compact foot					
F	Rod flange				
G	Head flange				
D	Double clevis				

- Mounting brackets are shipped together with the product but do not come assembled.
- A through-hole type mounting bolt is available as an option. For details ⇔ p. 77
- * For cylinders with mounting options "L," "LC," or "F," the cylinder rod protrusion dimensions (Dimensions L and L1) vary from the standard cylinder. When only ordering the cylinder, order the rod end length increased by 10 mm (-XC2) cylinder. For details ⇔ p. 178

D Auto switch mounting groove

4 surfaces

Ζ



🕑 Nui	mber of auto switches
Nil	2
S	1
n	n

9 во	dy option 2
Nii	Rod and fomale

Rod end female thread
Rod end male thread

B	Made to o	rder comm	non specification	S
For	details 🗆	p. 75		

TF G F Built-in One-touch fittings*1

Port thread type

Nil

ΤN

1 The bore sizes available with Onetouch fittings are ø32 to ø63.

Rc

NPT

(For details on the minimum stroke for auto switch mounting \Rightarrow p. 157)	[mm]
--	------

Bore size

32 mm

40 mm

50 mm

63 mm

80 mm

100 mm

32

40

50

63

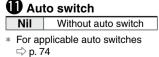
80

100

Bore size	Standard stroke
32, 40	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100
50, 63, 80, 100	10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100

* For the manufacturing of intermediate strokes rightarrow p. 75

Anti-lateral load



5, 20,	25,	30,	35,	40,	45,	50,	75,	10
es ⊏>	p. 7	'5						
	-							

Cylinder Model with Auto Switch Magnet

If a cylinder with an auto switch magnet and without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) CDQ2LS40-30DCZ

Compact Cylinder: Anti-lateral Load CQ2 Series

ouble Acting, Single Rod CBQ2 With End Lock

Auto Switch

Made to Order

For details on **auto switch mounting** \Rightarrow p. 149 to 165

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

· Minimum Stroke for Auto Switch Mounting

· Operating Range

· Auto Switch Mounting Brackets/Part Nos.

Applicable Auto Switches / Refer to the Web Catalog for further information on auto switches.

		El estrica el	to		L	oad volta	age	Auto swit	ch model	Lead	d wir	e ler	ngth	[m]	Duraniand																
Туре	Special function Electrical entry		Indicator light	Wiring (Output)	C	C	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)	Pre-wired connector	Applicat	ole load														
				3-wire (NPN)		5 V,		M9NV	M9N				0	—	0	IC circuit															
switch				3-wire (PNP)		12 V		M9PV	M9P				0	—	0																
świ				2-wire 3-wire (NPN)		12 V		M9BV	M9B				0	—	0	—															
uto s	Dia maatia indiaatian				5		24.14	5 V,		M9NWV	M9NW				0	—	0	IC circuit													
aut			Grommet	Van	3-wire (PNP)			24 V	24.14	24.17	12 V		M9PWV	M9PW				0	—	0		Relay,									
				Giommet	Giommet	Gronniet	Gronnier	Giommet	Giommet	Giommet	Gronniet	Gronniet	Gronniet	Gronnier	Gronniet	Gronniet	Giommet	les	2-wire	24 V	12 V		M9BWV	M9BW				0	—	0	—
state	Water registent			3-wire (NPN)							5 V,		M9NAV*1	M9NA *1	0	0		0	—	0	IC circuit										
lid	Water resistant (2-color indicator)			3-wire (PNP)																	12 V		M9PAV*1	M9PA *1	0	0		0	—	0	
Solid	,			2-wire				12 V		M9BAV*1	M9BA*1	0	0		0	—	0														
	Magnetic field resistant (2-color indicator)			2-wire (Non-polar)				—	P3DWA		—		\bullet	—	0	_															
itch			Yes	3-wire (NPN equivalent)	_	5 V	_	A96V	A96		—		—	—	—	IC circuit	—														
Reed auto switch		Grommet	res	2-wire	24 V	12 V	100 V	A93V*2	A93					—	—	—	Relay,														
auto		No	2-wire	24 V	5 V,12 V	100 V or less	A90V	A90		—		—	—	—	IC circuit	PLC															

*1 Water-resistant type auto switches can be mounted on the models on page 73, but SMC cannot guarantee water resistance.

Please contact SMC regarding water-resistant types with the model numbers on page 73.

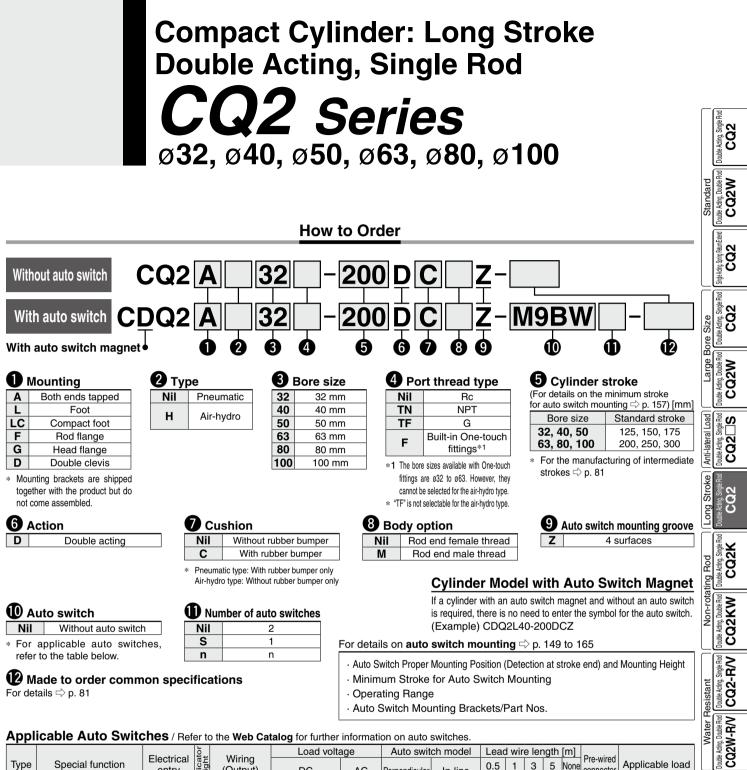
*2 The 1 m lead wire is only applicable to the D-A93. ...

* Lead wire length symbols:	0.5 m	Nil	(Example) M9NW
0,1	1 m	M	(Example) M9NWN
	3 m	L	(Example) M9NWL
	5 m	Z	(Example) M9NWZ

* Solid state auto switches marked with a "O" are produced upon receipt of order.

- NWM JWL
- JWZ

* There are applicable auto switches other than those listed above. For details rightarrow p. 165



		Electrical	tor	Wiring	Lo	oad volta	age	Auto swit	ch model	Lead	d wir	e ler	ngth	[m]	Pre-wired							
Туре	Special function	entry	Indicator light	(Output)	D	С	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)	annantar	Applicat	ole load					
				3-wire (NPN)		5 V,		M9NV	M9N				0	—	0	IC circuit						
switch				3-wire (PNP)		12 V		M9PV	M9P				0	—	0	IC CIrcuit						
ś				2-wire		12 V]	M9BV	M9B	٠	٠		0	—	0	—		Pipina				
	Diagnostic indication (2-color indicator)			3-wire (NPN)		5 V,		M9NWV	M9NW			\bullet	0	—	0	IC circuit		Ē				
auto		Grommet	Yes	3-wire (PNP) 2-wire 3-wire (NPN) 3-wire (PNP)	04.14	12 V		M9PWV	M9PW				0	—	0		Relay,	Axial				
			res		12 V		M9BWV	M9BW				0	—	0	—	– PLC	Á					
state	Water resistant (2-color indicator)				-	5 V,		M9NAV*1	M9NA *1	0	0	\bullet	0	—	0	IC circuit						
id						12 V		M9PAV*1	M9PA *1	0	0	\bullet	0	—	0	ic circuit						
Solid										2-wire		12 V		M9BAV*1	M9BA*1	0	0	\bullet	0	—	0	
	Magnetic field resistant (2-color indicator)			2-wire (Non-polar)		_			P3DWA		—			—	0	_		Lock				
itch	. , ,	Grommet	Grommet Y	Yes	3-wire (NPN equivalent)	_	5 V	—	A96V	A96		—		—	—	—	IC circuit	—	End 1			
Reed auto switch				Grommet	Grommet	Grommet	Grommet	—— Grommet 1 12 V 100 V A93V*2 A93	A93			\bullet		—	<u> </u>	—	Relay,	With I				
auto			No	2-wire	24 V	5 V,12 V	100 V or less	A90V	A90	۲	_		_	—	—	IC circuit	PLC	∣≥				

* Solid state auto switches marked with a "O" are produced upon receipt of order.

*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance. Please contact SMC regarding water-resistant types with the above model numbers.

*2 The 1 m lead wire is only applicable to the D-A93

- * Lead wire length symbols: 0.5 m Nil (I
 - bls: 0.5 m ······· Nil (Example) M9NW 1 m ······ M (Example) M9NWM 3 m ······ L (Example) M9NWL
 - 5 m ······· Z (Example) M9NWZ

∗ There are applicable auto switches other than those listed above. For details ⇒ p. 165

Made to Order

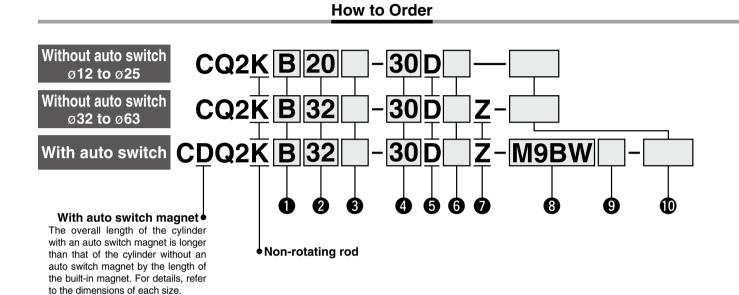
Auto Switch

CQP2

CQP2

uble Acting, Single Ro CBQ2

Compact Cylinder: Non-rotating Rod Double Acting, Single Rod CQ2K Series ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63



Ω.

D

🛈 Mountina

	.			
В	Through-hole	ø12 to ø63		
Α	Both ends tapped			
L	Foot			
LC	Compact foot	~ 10 ~ 50 ~ 60		
F	Rod flange	ø40, ø50, ø63		
G	Head flange]		
D	Double clevis]		

- Mounting brackets are shipped together with the product * but do not come assembled.
- * A through-hole type mounting bolt is available as an option. For details:
 - Without auto switch magnet rightarrow p. 89
 - With auto switch magnet \Rightarrow p. 90
- * For cylinders with mounting options "L," "LC," or "F," the cylinder rod protrusion dimensions (Dimensions L and L1) vary from the standard cylinder. When only ordering the cylinder, order the rod end length increased by 10 mm (-XC2) cylinder. For details is p. 178

4 Cylinder stroke

(For details on the minimum stroke for auto switch mounting \Rightarrow p. 157) [
Bore size	Standard stroke		
12, 16	5, 10, 15, 20, 25, 30		
20, 25	5, 10, 15, 20, 25, 30, 35 40, 45, 50		
32, 40	5, 10, 15, 20, 25, 30, 35 40, 45, 50, 75, 100		
50, 63	10, 15, 20, 25, 30, 35, 40 45, 50, 75, 100		

∗ For the manufacturing of intermediate strokes ⇒ p. 87

	Bo	re siz	е			
12	*1		12	mm		
16	5		16	mm		
20)		20	mm		
25	5		25	mm		
32	2		32	mm		
40)		40	mm		
50)		50	mm		
63	3		63	mm		

*1 When ø12 with auto switch magnet is required, the body option should be with rubber bumper (C). Example) CDQ2KB12-30DCZ

Port thread type

		71			
Nil	M thread	ø12 to ø25			
	Rc				
TN	NPT	ø32 to ø63			
TF	G				
F	Built-in One-touch fittings ^{*1}				

- *1 The bore sizes available with One-touch fittings are ø32 to ø63.
- * For cylinders without an auto switch magnet, M threads are compatible only with ø32-5 mm stroke.

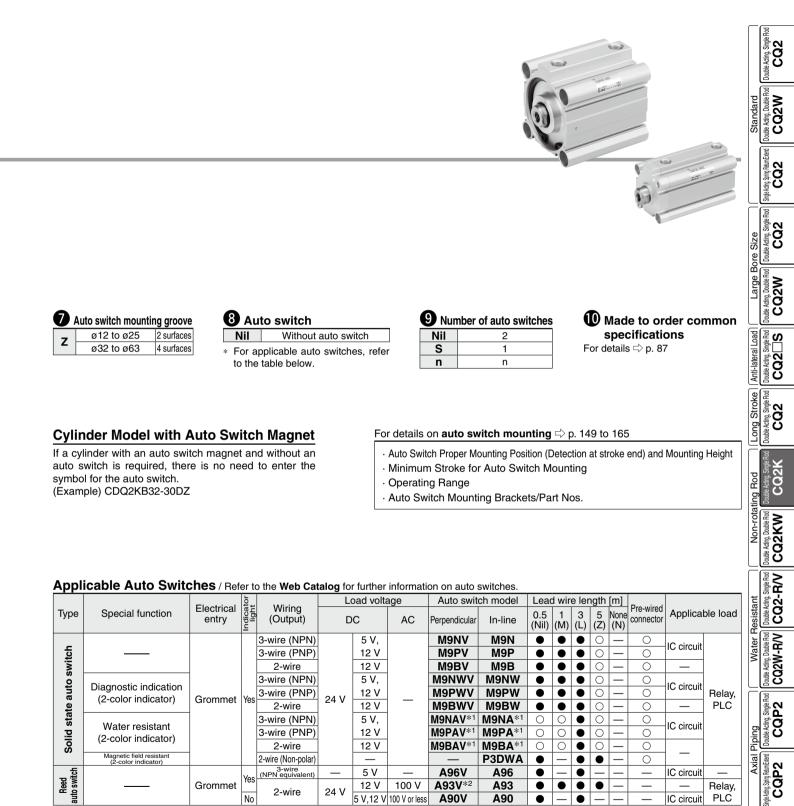
5 Action Double acting

6 Body option

Nil	Rod end female thread
F	With boss on head end
С	With rubber bumper (ø12 with auto switch magnet only)
М	Rod end male thread

* Combined body options "FM" can be selected.

Compact Cylinder: Non-rotating Rod Double Acting, Single Rod CQ2K Series



Water-resistant type auto switches can be mounted on the models on page 85, but SMC cannot guarantee water resistance. *1

Please contact SMC regarding water-resistant types with the model numbers on page 85.

*2 The 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW

- 1 m M (Example) M9NWM

* Solid state auto switches marked with a "O" are produced upon receipt of order.

With End Lock CB02

Auto Switch

Made to Order

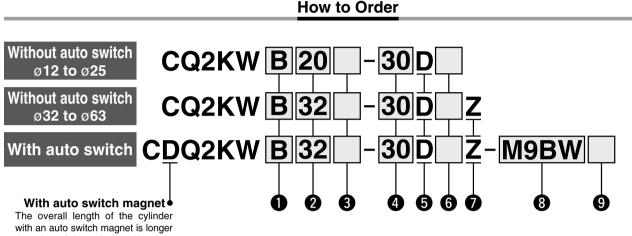
3 m L (Example) M9NWL

5 m Z (Example) M9NWZ

- * The D-P3DWA type is only available in sizes ø25 to ø63.

∗ There are applicable auto switches other than those listed above. For details ⇒ p. 165

Compact Cylinder: Non-rotating Rod Double Acting, Double Rod CQ2KVV Series ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63



with an auto switch magnet is longer than that of the cylinder without an auto switch magnet by the length of the built-in magnet. For details, refer to the dimensions of each size.

Mounting

-	j	
В	Through-hole	ø12 to ø63
Α	Both ends tapped	
L	Foot	~10 to ~62
LC	Compact foot Ø40 to Ø63	
F	Flange	

- * Mounting brackets are shipped together with the product but do not come assembled.
- ★ A through-hole type mounting bolt is available as an option. For details: Without auto switch magnet ⇒ p. 101

With auto switch magnet □> p. 102
For cylinders with mounting options "L," "LC," or "F," the cylinder rod protrusion dimensions (Dimensions L and L1) vary from the standard cylinder. When only ordering the cylinder, order the rod end length increased by 10 mm (-XC2) cylinder. For details □> p. 178

4 Cylinder stroke

(For details on the minimum stroke for auto switch mounting \Rightarrow p. 157) [mm]

Bore size	Standard stroke
12, 16	5, 10, 15, 20, 25, 30
20, 25	5, 10, 15, 20, 25, 30, 35 40, 45, 50
32, 40	5, 10, 15, 20, 25, 30, 35 40, 45, 50, 75, 100
50, 63	10, 15, 20, 25, 30, 35, 40 45, 50, 75, 100

* For the manufacturing of intermediate strokes ⇒ p. 99

7 A	Auto switch mounting groov	/e
7	ø12 to ø25	2 surfaces
Ζ	ø32 to ø63	4 surfaces

Cylinder Model with Auto Switch Magnet

If a cylinder with an auto switch magnet and without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) CDQ2KWB32-30DZ

2 Bore size

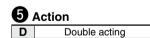
-	
12	12 mm
16	16 mm
20	20 mm
25	25 mm
32	32 mm
40	40 mm
50	50 mm
63	63 mm

3 Port thread type

	e en oaa	, 1 P C		
Nil	M thread	ø12 to ø25		
	Rc			
TN	NPT	ø32 to ø63		
TF	G			
F	Built-in One-touch fittings*1			

*1 The bore sizes available with One-touch fittings are ø32 to ø63.

 For cylinders without an auto switch magnet, M threads are compatible only with ø32-5 mm stroke.



6 Body option

Body option					
Nil	Rod end female thread				
С	With rubber bumper (ø12 with auto switch magnet only)				
М	Rod end male thread				

8 Auto switch

 Without auto switch
 For applicable auto switches, refer to the next page.

9 Number of auto switches

Nil	2
S	1
n	n

Compact Cylinder: Non-rotating Rod Double Acting, Double Rod CQ2KW Series



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

· Minimum Stroke for Auto Switch Mounting

· Operating Range

· Auto Switch Mounting Brackets/Part Nos.

Applicable Auto Switches / Refer to the Web Catalog for further information on auto switches.

		El a studio a l	tor		L	oad volta	age	Auto swite	ch model	Lead	d wir	e ler	ngth	[m]	Durandarad													
Туре	Special function	Electrical entry	Indicate	Wiring (Output)	۵	AC AC		Perpendicular In-line (0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)	Pre-wired connector	Applicat	ole load											
				3-wire (NPN)		5 V,		M9NV	M9N			•	0	-	0	IC circuit												
switch				3-wire (PNP)			12 V		M9PV	M9P				0	—	0												
Ň				2-wire				12 V		M9BV	M9B		•	•	0	-	0	—										
auto s	Diagnostic indication (2-color indicator)			3-wire (NPN)		5 V,		M9NWV	M9NW				0	—	0	IC circuit												
		Grommet	Yes	3-wire (PNP)	24 V	12 V		M9PWV	M9PW		0	-	0	IC CIICUII	Relay,													
te				2-wire		24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	12 V	_	M9BWV	M9BW				0	—	0	—	PLC		
state	\ A /			3-wire (NPN)		5 V,		M9NAV*1	M9NA *1	000	0	-	0	IC circuit														
ē	Water resistant (2-color indicator)			3-wire (PNP)]						12 V		M9PAV*1	M9PA *1	0	0	\bullet	0	—	0	ic circuit							
Solid	,			2-wire		12 V	2 V	M9BAV*1	M9BA*1	0	0		0	-	0													
	Magnetic field resistant (2-color indicator)			2-wire (Non-polar)	wire (Non-polar)	—			P3DWA		—	\bullet		—	0	_												
itch			Yes	3-wire (NPN equivalent)	_	5 V	—	A96V	A96		—		—	—	—	IC circuit	—											
Reed o swit		Grommet	res	2-wire	24 V	12 V	100 V	A93V*2	A93		۲	۲		-	_	—	Relay,											
Reed auto switch			No	No	No	No	No	No	No	No	No	No	No	No	2-wire	24 V	5 V,12 V	100 V or less	A90V	A90		—		—	—	_	IC circuit	PLC

*1 Water-resistant type auto switches can be mounted on the models on page 97, but SMC cannot guarantee water resistance.

Please contact SMC regarding water-resistant types with the model numbers on page 97.

*2 The 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW

- 1 m ······ M (Example) M9NWM
 - 3 m ······· L (Example) M9NWL

* Solid state auto switches marked with a "O" are produced upon receipt of order. * The D-P3DWA type is only available in sizes ø25 to ø63.

- 5 m Z (Example) M9NWZ

* There are applicable auto switches other than those listed above. For details ⇒ p. 165

Auto Switch Made to Order

CQ2

CQ2W standard

> dina. Soring ReturnExter CQ2

Acting Single CQ2

CQ2W Large Acting, Double

Bore Size

Anti-lateral Load CQ2 S Acting.

Long Stroke uble Acting. Single CQ2

h-rotating Rod

CQ2K while Acting Single

CQ2K

Double Acting, Double Rod CQ2W-R/V CQ2-R/V Water Resistant

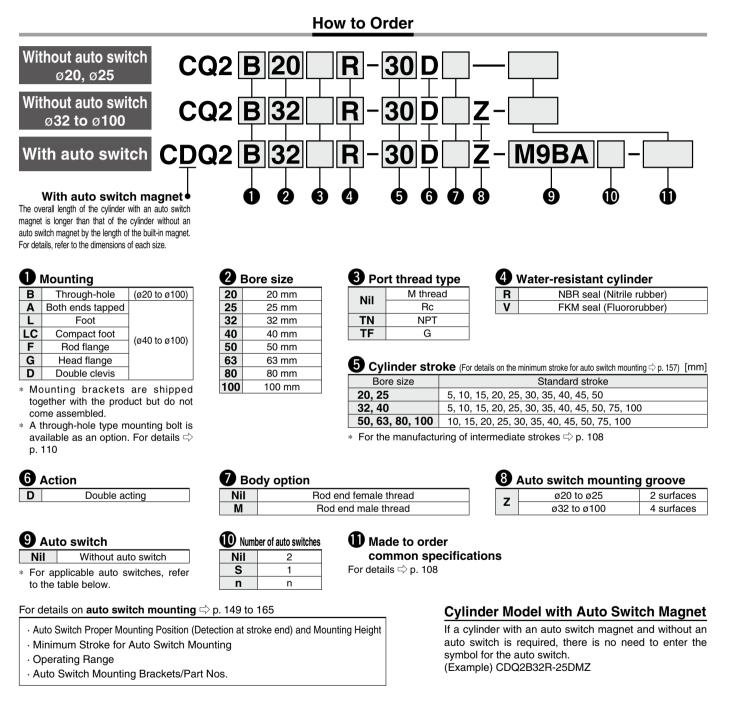
CQP2

CQP2

ouble Acting, Single Rod CBQ2 With End Lock

Axial Piping

Compact Cylinder: Water Resistant Double Acting, Single Rod CQ2-R/V Series ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100



Applicable Auto Switches / Refer to the Web Catalog for further information on auto switches.

21		Electrical entry	fq	Marine a	Load voltage		Auto swite	Lead	wire l	ength	ı [m]	Dura universit				
	Special function		Indicator	Wiring (Output)	D	С	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5	Pre-wired connector	Applical	ble load
ate itch				3-wire (NPN)	5 V,	5 V,		M9NAV	M9NA	0	0		0	0		
Water resistant (2-color indicator)	Grommet	Yes	3-wire (PNP)	24 V	12 V		M9PAV	M9PA	0	0		0	0		Relay, PLC	
				2-wire		12 V		M9BAV	M9BA	0	0	•	0	0	—	0
	duvira langth avmhalav 0.5	NII/	-			0 - 11 - 1 - 1			والأنبية المتعادية	• " <u>`</u> "						

Lead wire length symbols: 0.5 m Nil (Example) M9BA
 1 m M (Example) M9BAM

* Solid state auto switches marked with a "O" are produced upon receipt of order.

³ m L (Example) M9BAL

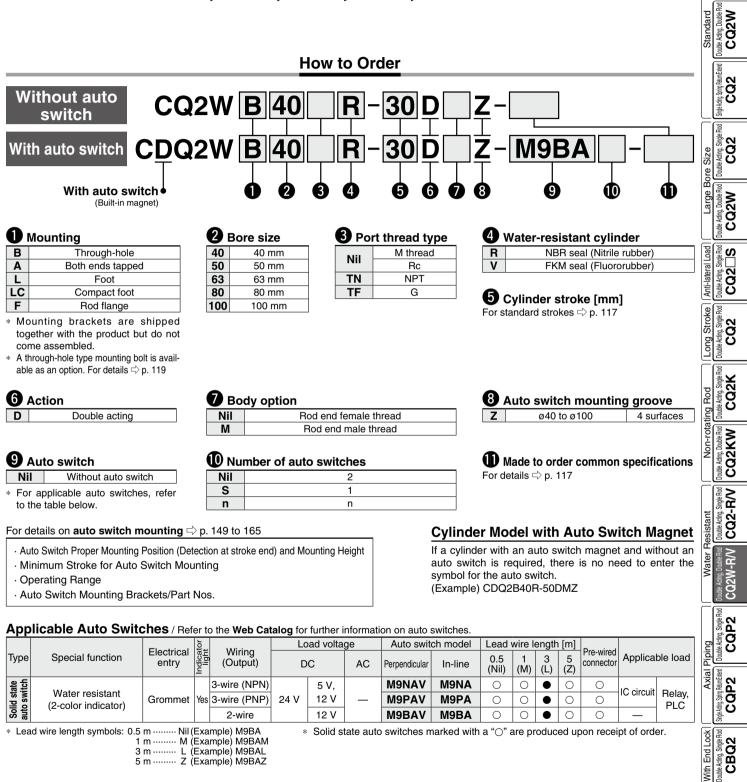
⁵ m ······· Z (Example) M9BAZ

Compact Cylinder: Water Resistant Double Acting, Double Rod CQ2W-R/V Series ø40, ø50, ø63, ø80, ø100

cuble Acting, Single F CQ2

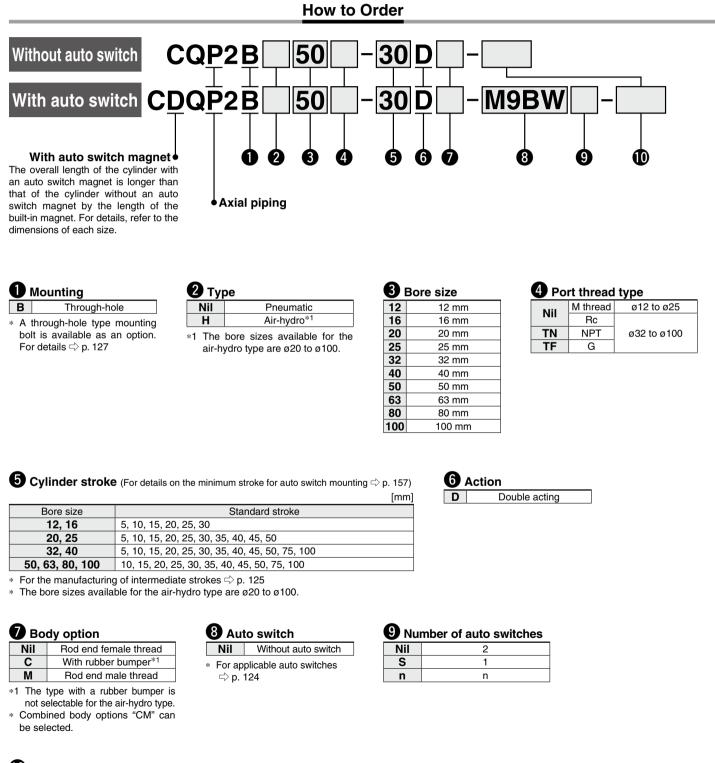
Auto Switch

Made to Order



3 m ······· L (Example) M9BAL 5 m ······ Z (Example) M9BAZ

Compact Cylinder: Axial Piping Double Acting, Single Rod CQP2 Series ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100



Made to order common specifications

For details is p. 125

Compact Cylinder: Axial Piping Double Acting, Single Rod CQP2 Series

CQ2

CQ2W standard

> icting. Spring ReturnExten CQ2

nuble Acting. Single I CQ2

Large Bore Size Actina. Double Rod CQ2W

Anti-lateral Load Single Rod CQ2 S

Long Stroke C02 Inhle Acting.

Non-rotating Rod while Acting.

ouble Acting.

CQ2K

CO2KW nuble Acting. Double Rod

CQ2W-R/V CQ2-R/V Water Resistant

0 0

CQP2

Single Rod | With End Lock CB02

Inle Acting

Auto Switch

Made to Order

Axial

Cylinder Model with Auto Switch Magnet

If a cylinder with an auto switch magnet and without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) CDQP2B32-30D

For details on **auto switch mounting** \Rightarrow p. 149 to 165

- · Auto Switch Proper Mounting Position (Detection at stroke end) and Mounting Height
- · Minimum Stroke for Auto Switch Mounting
- · Operating Range
- · Auto Switch Mounting Brackets/Part Nos.

Applicable Auto Switches / Refer to the Web Catalog for further information on auto switches.

			1.	r	-	oad volta			ch model	Lea	d wii	re le	ngth	[m]	Dre wired						
Type Special function	Electrical entry	Indicator	Wiring (Output)	DC		AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)		None (N)	Pre-wired connector	Applica	ble load					
				3-wire (NPN)		5 V,		M9NV	M9N				0	—	0	IC circuit					
		Grommet		3-wire (PNP)		12 V		M9PV	M9P				0	—	0						
switch				2-wire		12 V 5 V,		M9BV	M9B				0	—	0						
Ň		Connector		2-0016			J79C			-				—							
	Diagnostic indication			3-wire (NPN)				M9NWV	M9NW				0	—	0	IC circuit					
auto	(2-color indicator)	Grommet	Yes	3-wire (PNP)		24 V	12 V	_	M9PWV	M9PW	●	\bullet	•	0	—	0		Relay,			
state			100	2-wire		12 V 5 V,		M9BWV	M9BW				0	_	0	—	PLC				
sta	Water resistant			3-wire (NPN)				M9NAV*1	M9NA*1	0	0		0	<u> </u>	0	IC circuit					
Solid	(2-color indicator)			3-wire (PNP)							12 V		M9PAV*1	M9PA *1	0	0		0	-	0	
ŝ	With diagnostic output	-		2-wire					12 V		M9BAV*1	M9BA*1	0	0		0	-	0	IC circuit		
	(2-color indicator) Magnetic field resistant	-		4-wire					5 V, 12 V			F79F	•	-	•	0	_	0			
	(2-color indicator)			2-wire (Non-polar)		_			P4DW	-	-			-	0	—					
ч				3-wire (NPN equivalent)	_	5 V	—	A96V	A96	•	-	•	-	—	—	IC circuit					
switch		Grommet	Yes			—	200 V	A72	A72H	•	-		-	-	—						
			L				12 V	100 V	A93V*2	A93	•		•		<u> </u>	—	10 1 1				
auto			No	2-wire 24 V		5 V, 12 V	100 V or less	A90V	A90	•	-		-	-	—	IC circuit	Relay,				
ő		Connector	Yes		12 V		A73C		•				•		<u> </u>	PLC					
Reed	Diagnostic indication		No			5 V, 12 V	24 V or less	A80C			-			•		IC circuit					
	(2-color indicator)	Grommet	Yes			-	—	A79W			-		-	—	—						

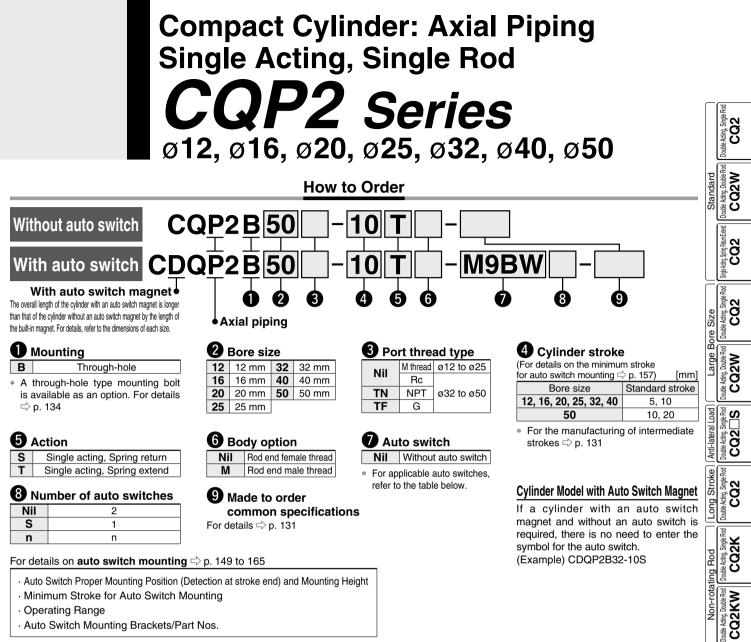
*1 Water-resistant type auto switches can be mounted on the models on page 123, but SMC cannot guarantee water resistance.

Please contact SMC regarding water-resistant types with the model numbers on page 123.

*2 The 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW

- 1 m ······ M (Example) M9NWM
 - 3 m L (Example) M9NWL
 - 5 m Z (Example) M9NWZ
 - None N (Example) J79CN
- * Solid state auto switches marked with a "O" are produced upon receipt of order.
- * The D-P4DW type is only available in sizes ø40 to ø100.
- * Only for the D-P4DW type, an auto switch is assembled and shipped with the cylinder.
- ∗ There are applicable auto switches other than those listed above. For details ⇒ p. 165



· Auto Switch Mounting Brackets/Part Nos.

Applicable Auto Switches / Refer to the Web Catalog for further information on auto switches.

			to		L	oad volt	age	Auto swit	ch model	Lead	d wir	e le	ngth	[m]	Duraniand			
Туре	Special function	Electrical entry	Indicator light	Wiring (Output)	C	C	AC			0.5 (Nil)	1 (M)	3 (L)		None (N)	Pre-wired connector	Applicable load		
				3-wire (NPN) 3-wire (PNP)	5 V, 12 V		M9NV	M9N	•			0	—	0	IC circuit		1	
Ę		Grommet				12 V		M9PV	M9P	•			0	—	0			
switch				0		12 V]	M9BV	M9B	۲			0	—	0			
		Connector	1	2-wire		12 V		J79C	_		—	•	•		—	_		
auto	Discussion indication]	3-wire (NPN)		5 V,]	M9NWV	M9NW	٠			0	—	0		Delevi	
al	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (PNP)	24 V	12 V 12 V	_	M9PWV	M9PW	۲			0	-	0	IC circuit	Relay, PLC	
2-c) state				2-wire				M9BWV	M9BW	٠			0	—	0	—	FLO	
l st	Water resistant (2-color indicator)			3-wire (NPN)		5 V,		M9NAV*1	M9NA *1	0	0		0	-	0	IC circuit		
Solid				3-wire (PNP)			12 V		M9PAV*1	M9PA*1	0	0		0	—			
Ň				2-wire		12 V		M9BAV*1	M9BA*1	0	0		0	-	0	—		
	With diagnostic output (2-color indicator)			4-wire		5 V, 12 V		_	F79F	٠	-		0	—	0	IC circuit		
ĥ				3-wire (NPN equivalent)		5 V	_	A96V	A96	۲	-		-	-	—	IC circuit	_	1
switch		Grommet	Yes			—	200 V	A72	A72H	٠	-		—	—	—			1
		Gronnet				12 V	100 V	A93V*2	A93	۲				-	—	_		
auto			No	0 wire		5 V, 12 V	100 V or less	A90V	A90	•	-		—	—	—	IC circuit	Relay,	
a		Connector	Yes	2-wire	24 V	12 V	—	A73C	—	•	_				_	—	PLC	
Reed		Connector	No			5 V, 12 V	24 V or less	A80C	—		-				—	IC circuit		
ŭ	Diagnostic indication (2-color indicator)	Grommet	Yes			_	_	A79W	_	۲	-		—	—	—	_		

* Solid state auto switches marked with a "O" are produced upon receipt of order.

*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance. Please contact SMC regarding water-resistant types with the above model numbers.

*2 The 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW

- 1 m ······ M (Example) M9NWM
- 3 m L (Example) M9NWL
- 5 m ······· Z (Example) M9NWZ
- None N (Example) J79CN

∗ There are applicable auto switches other than those listed above. For details ⇒ p. 165

Made to Order

Auto Switch

Double Acting, Single Rod CQ2-R/V

CQ2W-R/V

CQP2

CQP2

CBQ2