

Air Cylinder: Standard Type Double Acting, Single Rod Series **NCG/CG1**

ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100

How to Order

Without auto switch

NCG L N 25 — 04 00

With auto switch

NCDG L N 25 — 04 00 — M9NW

Built-in magnet

Mounting style

B Basic style	U Front trunnion style
C Single clevis	T Rear trunnion style
L Axial foot style	D Double Clevis style
F Front flange style	N* Front nose mount
G Rear flange style	

*Nose mount with air cushion is not available in ø20 and ø25mm.

Cushion

N Urethane cushion	
A Adujustable air cushion	

*Nose mount with air cushion is not available in ø20 and ø25mm.

Bore size

20	20 mm (3/4")	40	40 mm (1-1/2")
25	25 mm (1")	50	50 mm (2")
32	32 mm (1-1/4")	63	63 mm (2-1/2")



Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
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*For the applicable auto switch model, refer to the table below.

Stroke
Hundredths of an inch*

*Stroke length must be indicated as 4 digits.
First and second digit: Stroke/Inch
Third and fourth digit: Stroke/Hundredth of an inch
Example) 0525=5.25 (5-1/4) inch stroke

Cylinder stroke (inch)

How to Order

Without auto switch

CG1 L N 25 — 40

With auto switch

CDG1 L N 25 — 40 — M9NW

Built-in magnet

Mounting style

B Basic style	U* Front trunnion style
L Axial foot style	T* Rear trunnion style
F Front flange style	D Double Clevis style
G Rear flange style	R* Direct mount

*Not available for bore size ø80 and ø100mm.
Note) Mounting brackets are shipped together, but not assembled.

Cushion

N Urethane cushion	
A Adujustable air cushion	

Bore size

20	20 mm	50	50 mm
25	25 mm	63	63 mm
32	32 mm	80	80 mm
40	40 mm	100	100 mm

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
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*For the applicable auto switch model, refer to the table below.

Rod boot

Nil	Without rod boot
J	Nylon tarpaulin
K	Heat resistant tarpaulin

Cylinder stroke (mm)

Applicable Auto Switch/Refer to Best Pneumatics for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m) *				Pre-wire connector	Applicable load		
					DC	AC	Applicable bore size (mm)		0.5 (Nil)	3 (L)	5 (Z)	None (N)		—	—	
							20 to 63	80, 100								
Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	C76	—	●	●	—	—	—	IC circuit	—
				2-wire	24 V	100 V, 200 V	B54		●	●	●	—	—	—	—	Relay, PLC
	12 V	100 V				C73	—	●	●	●	—	—				
	C73C	—		●	●	●	●	—	—							
Diagnostic indication (2-color indication)	Grommet	—	—	B59W		●	●	—	—	—	—	—	—			
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	G59	●	—	○	—	○	IC circuit	Relay, PLC
				3-wire (PNP)		12 V		M9P	G5P	●	—	○	—	○		
	2-wire			5 V, 12 V		M9B		K59	●	—	○	—	○			
	3-wire (NPN)			5 V, 12 V		M9NW		G59W	●	●	○	—	○			
	3-wire (PNP)	12 V		M9PW	G5PW	●		●	○	—	○					
	2-wire	5 V, 12 V		M9BW	K59W	●		●	○	—	○					
	Water resistant (2-color indication)	—		M9BA	G5BA	●		●	○	—	○					
	Diagnostic output (2-color indication)	4-wire (NPN)		5 V, 12 V	—	G59F		●	●	○	—	○	IC circuit			

* Lead wire length symbols: 0.5 m..... Nil (Example) C73C M9NW
 3 m..... L (Example) C73CL M9NL
 5 m..... Z (Example) C73CZ M9NZ
 None..... N (Example) C73CN

* Solid state switches marked with "○" are produced upon receipt of order.

- Since there are other applicable auto switches than listed, contact SMC for details.
- For details about auto switches with pre-wire connector, refer to Best Pneumatics.

