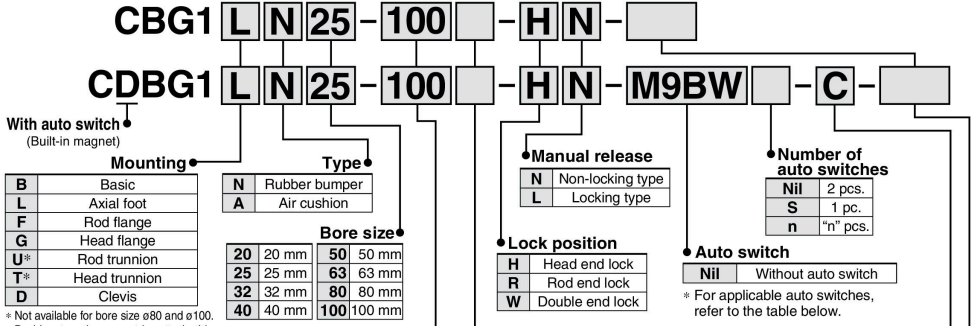


# Air Cylinder: With End Lock

# CBG1 Series

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

## How to Order



\* Not available for bore size ø80 and ø100. Besides, trunnion cannot be attached in the side to which an end lock is attached. Note) Mounting brackets are shipped together, (but not assembled).

**Cylinder stroke (mm)**  
Refer to "Standard Strokes" on page 344.

### Built-in Magnet Cylinder Model

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) CDBG1FA32-100-RL

### Applicable Auto Switches/Refer to pages 1575 to 1701 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-wired connector	Applicable load				
					DC	AC	Applicable bore size		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)								
							ø20 to ø63	ø80, ø100													
Solid state auto switch	—	Grommet	—	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	●	●	○	—	○	IC circuit	Relay, PLC						
				—				G59	●	●	○	—	○								
				3-wire (PNP)			M9PV	M9P	●	●	○	—	○								
		—		G5P			●	●	○	—	○										
		2-wire		M9BV			M9B	●	●	○	—	○									
		—		H7C			K59	●	●	○	—	○									
	Diagnostic indication (2-color indicator)	Connector	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NVW	M9NW	●	●	○	—	○		IC circuit					
				3-wire (PNP)				M9PVW	M9PW	●	●	○	—	○							
				—				G5PW	●	●	○	—	○								
		Grommet		2-wire				M9BWW	M9BW	●	●	○	—	○							
				—				K59W	●	●	○	—	○								
				3-wire (NPN)				M9NAV <sup>*1</sup>	M9NA <sup>*1</sup>	—	○	○	●	—			○	IC circuit			
3-wire (PNP)	M9PAV <sup>*1</sup>	M9PA <sup>*1</sup>	—	○	○	●	—	○													
—	M9BAV <sup>*1</sup>	M9BA <sup>*1</sup>	—	○	○	●	—	○													
2-wire	—	G5BA <sup>*1</sup>	●	●	○	—	○														
Reed auto switch	—	Grommet	—	3-wire (Equip to NPN)	—	5 V	—	A96V	A96	●	●	—	—	IC circuit							
								A93V <sup>*2</sup>	A93	●	●	—	—								
								A90V	A90	●	●	—	—								
		Connector						Yes	2-wire	24 V	12 V	—	—		B54	●	●	—	—	—	
															B64	●	●	—	—		
															C73C	●	●	●	●		—
	Grommet	Yes	2-wire	24 V or less	—	—	—							C80C	●	●	●	●	IC circuit		
														—	—	—	—	—			—
														—	B59W	●	●	—			—

\*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. Please consult with SMC regarding water resistant types with the above model numbers.  
 \*2 1 m type lead wire is only applicable to D-A93.  
 \* Lead wire length symbols: 0.5 m ..... Nil (Example) M9NW 5 m ..... Z (Example) M9NWZ 1 m ..... M (Example) M9NWML None ..... N (Example) H7CN \* Solid state auto switches marked with "○" are produced upon receipt of order.  
 \* Since there are other applicable auto switches than listed above, refer to page 361 for details.  
 \* For details about auto switches with pre-wired connector, refer to pages 1648 and 1649.  
 \* The D-A93□/M9□□□ auto switches are shipped together, (but not assembled). (However, only auto switch mounting brackets are assembled before shipment.)

- CJ1
- CJP
- CJ2
- JCM
- CM2
- CM3
- CG1**
- CG3
- JMB
- MB
- MB1
- CA2
- CS1
- CS2

- D-□
- X□
- Technical Data