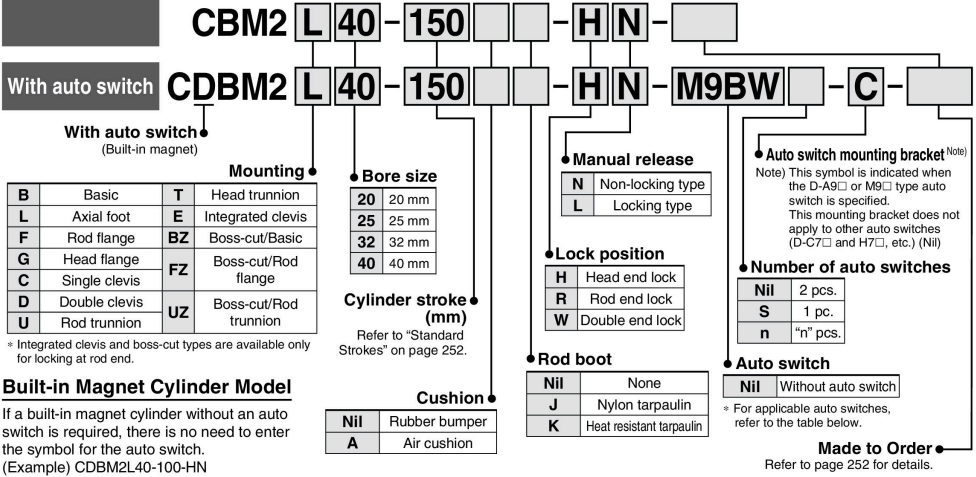


# Air Cylinder: With End Lock

## CBM2 Series

ø20, ø25, ø32, ø40

### How to Order



### 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	Perpendicular	In-line	0.5	1	3	5	None (N)					
									(Nil)	(M)	(L)	(Z)						
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	●	●	●	●	—	—	—	IC circuit		
				3-wire (PNP)			M9PV	M9P	●	●	●	●	—	—				
		Connector		2-wire	12 V	—	M9BV	M9B	●	●	●	●	—	—	—	—		
				Terminal conduit			2-wire	H7C	●	●	●	●	—	—				
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	—	—	G39A**	—	—	—	—	—	—	—	IC circuit		
				3-wire (PNP)			—	K39A**	—	—	—	—	—	—				
				2-wire	12 V	—	M9NVV	M9NV	●	●	●	●	—	—	IC circuit			
				3-wire (PNP)			M9PVV	M9PV	●	●	●	●	—	—				
				Water resistant (2-color indicator)	Grommet	Yes	2-wire	5 V, 12 V	—	M9BVV	M9BV	●	●	●	●	—	—	—
							3-wire (NPN)			M9NAV*1	M9NA*1	○	○	○	○	—	—	
With diagnostic output (2-color indicator)	Grommet	Yes	3-wire (PNP)	5 V, 12 V	—	M9PAV*1	M9PA*1	○	○	●	●	—	—	IC circuit				
			2-wire			M9BAV*1	M9BA*1	○	○	○	○	—	—					
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	A96V	A96	●	●	—	—	—	IC circuit			
				Connector				100 V	A93V*2	A93	●	●	●	—		—		
								100 V or less	A90V	A90	●	●	●	—		—		
								100 V, 200 V	—	B54**	●	●	●	—		—		
								200 V or less	—	B64**	●	●	●	—		—		
		Terminal conduit		24 V or less	—	C73C	●	●	●	●	—	IC circuit						
				—	—	C80C	●	●	●	●	—							
				—	—	A33A**	—	—	—	—	—							
				100 V, 200 V	—	A34A**	—	—	—	—	—							
				—	—	A44A**	—	—	—	—	—							
Grommet	Yes	—	—	—	—	—	B59W	●	●	—	—	—	Relay, PLC					
		—	—	—	—	—	—	—	—	—	Relay, PLC							

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

\*2 Please contact SMC regarding water resistant types with the above model numbers.

\*3 2.1 m type lead wire is only applicable to D-A93.

\*4 Lead wire length symbols: 0.5 m ..... Nil (Example) M9NV  
1 m ..... M (Example) M9NVW  
3 m ..... L (Example) M9NVWL  
5 m ..... Z (Example) M9NVWZ  
None ..... N (Example) H7CN

\*5 Solid state auto switches marked with "○" are produced upon receipt of order.

\*6 Do not indicate suffix "N" for no lead wire on D-A3□/A44□/G39A/K39A models.

\*7 The D-A3□/A44□/G39A/K39A/B54/B64 cannot be mounted on bore sizes ø20 and ø25 cylinder with air cushion.

\*8 Since there are other applicable auto switches than listed above, refer to page 266 for details.

\*9 For details about auto switches with pre-wired connector, refer to pages 1648 and 1649.

\*10 The D-A9□/M9□□□ auto switches are shipped together, (but not assembled). (However, only the auto switch mounting brackets are assembled before shipment.)