

Air Cylinder: Standard Type

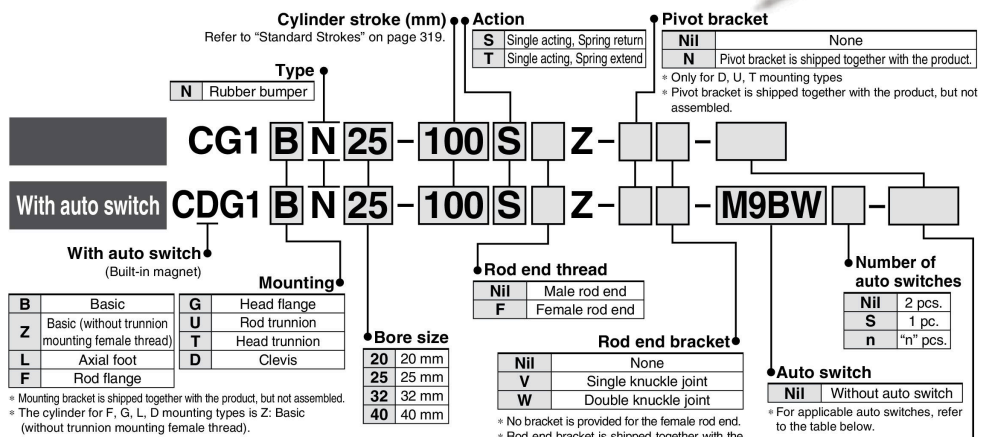
Single Acting, Spring Return/Extend

CG1 Series

ø20, ø25, ø32, ø40



How to Order



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) CDG1FN32-100TZ

Made to Order
* For applicable auto switches, refer to the table below.

* Refer to "Ordering Example of Cylinder Assembly" on page 320.

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 ø20 to ø40		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)						
							Perpendicular	In-line											
Solid state auto switch	—	Grommet	—	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	●	●	●	○	—	○	IC circuit				
				3-wire (PNP)			M9PV	M9P	●	●	●	○	—	○					
		Connector	2-wire	M9BV	M9B	●	●	●	○	—	○	—							
			—	—	H7C	●	●	●	●	—	—								
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NVW	M9NW	●	●	●	○	—	○	IC circuit				
				3-wire (PNP)			M9PVW	M9PW	●	●	●	○	—	○					
	Water resistant (2-color indicator)	Grommet	—	3-wire (NPN)	5 V, 12 V	—	M9NAV ^{*1}	M9NA ^{*1}	○	○	○	○	—	○	IC circuit				
				3-wire (PNP)			M9PAV ^{*1}	M9PA ^{*1}	○	○	○	○	—	○					
	Diagnostic output (2-color indicator)	Grommet	—	2-wire	12 V	—	M9BAV ^{*1}	M9BA ^{*1}	○	○	○	○	—	○	—				
				4-wire (NPN)			—	H7NF	●	●	●	○	—	○					
Reed auto switch	—	Grommet	Yes	3-wire (Equiv. to NPN)	5 V	—	A96V	A96	●	●	—	—	—	—	IC circuit				
				—			100 V	A93V ^{*2}	A93	●	●	●	●	—		—			
				No			100 V or less	A90V	A90	●	●	●	●	—		—	IC circuit		
				Yes			100 V, 200 V	—	B54	●	●	●	●	—		—			
		Connector	No	2-wire	24 V	12 V	—	—	B64	●	●	●	●	—	—	—			
								—	—	C73C	●	●	●	●	—		—		
								Yes	—	—	C80C	●	●	●	●		—	—	IC circuit
								No	24 V or less	—	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) M9NV
1 m..... M (Example) M9NVW
3 m..... L (Example) M9NWL
5 m..... Z (Example) M9NWZ
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 1849.
* The D-A9□□/M9□□□ auto switches are shipped together, (but not assembled). (However, only the auto switch mounting brackets are assembled before shipment.)

