

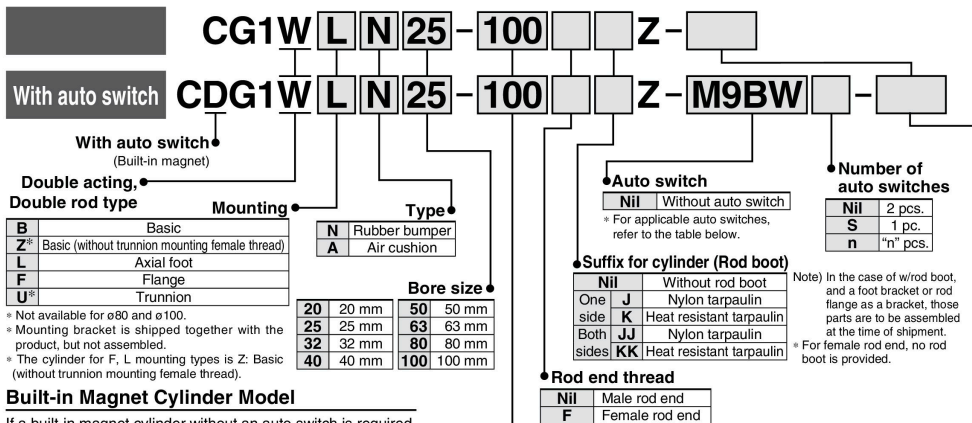
Air Cylinder: Standard Type Double Acting, Double Rod

CG1W Series

RoHS

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

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) CDG1WFA32-100Z

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	Perpendicular								In-line	In-line
Solid state auto switch	—	Grommet	—	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	G59	●	●	○	○	○	○	IC circuit	Relay, PLC	
				3-wire (PNP)						●	●	○	○	○	○			
				2-wire						●	●	○	○	○	○			
		Connector	—	—	—	12 V	—	M9BV	M9B	K59	●	●	○	○	○	○		
											—	●	●	○	○	○		○
											—	●	●	○	○	○		○
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NWV	M9NW	G59W	●	●	○	○	○	○		
				3-wire (PNP)							●	●	○	○	○	○		
				2-wire							●	●	○	○	○	○		
		Water resistant (2-color indicator)	Grommet	—	3-wire (NPN)	5 V, 12 V	—	M9NAV ^{#1}	M9NA ^{#1}	G59W	○	○	○	○	○	○		
					3-wire (PNP)						○	○	○	○	○	○		
					2-wire						○	○	○	○	○	○		
Diagnostic output (2-color indicator)	Grommet	Yes	4-wire (NPN)	5 V, 12 V	—	M9BAV ^{#1}	M9BA ^{#1}	G58A ^{#1}	○	○	○	○	○	○				
			3-wire (Equip. to NPN)						○	○	○	○	○	○				
			2-wire						○	○	○	○	○	○				
Reed auto switch	—	Grommet	Yes	3-wire (Equip. to NPN)	5 V	—	A96V	A96	—	●	●	○	○	○	○			
				—						●	●	○	○	○	○			
				—						●	●	○	○	○	○			
		Connector	—	—	—	24 V	12 V	—	A93V ^{#2}	A93	—	●	●	○	○	○	○	
												—	●	●	○	○	○	○
												—	●	●	○	○	○	○
	Diagnostic indication (2-color indicator)	Grommet	Yes	2-wire	24 V	12 V	—	A90V	A90	—	●	●	○	○	○	○		
				—							●	●	○	○	○	○		
				—							●	●	○	○	○	○		
	—	Grommet	—	—	—	—	—	—	—	—	●	●	○	○	○	○		
											—	●	●	○	○	○	○	
											—	●	●	○	○	○	○	
—	Grommet	—	—	—	—	—	—	—	—	●	●	○	○	○	○			
										—	●	●	○	○	○	○		
										—	●	●	○	○	○	○		
—	Grommet	—	—	—	—	—	—	—	—	●	●	○	○	○	○			
										—	●	●	○	○	○	○		
										—	●	●	○	○	○	○		
—	Grommet	—	—	—	—	—	—	—	—	●	●	○	○	○	○			
										—	●	●	○	○	○	○		
										—	●	●	○	○	○	○		
—	Grommet	—	—	—	—	—	—	—	—	●	●	○	○	○	○			
										—	●	●	○	○	○	○		
										—	●	●	○	○	○	○		

#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
1 m..... M (Example) M9NWM
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-A93□□/M9□□□□ auto switches are shipped together, (but not assembled). (However, only the auto switch mounting brackets are assembled before shipment.)