

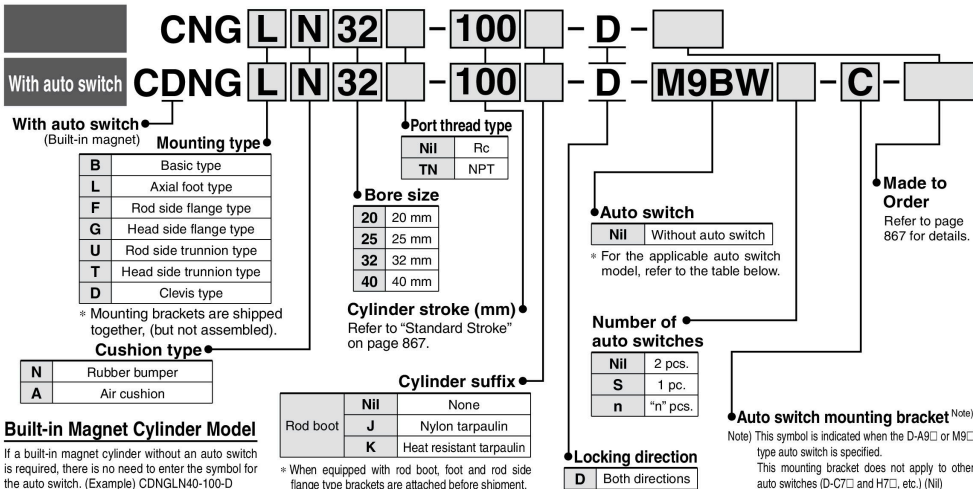
Cylinder with Lock

Double Acting, Single Rod

CNG 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) CDNGLN40-100-D

* When equipped with rod boot, foot and rod side flange type brackets are attached before shipment.

Applicable Auto Switches

Refer to pages 1119 to 1245 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 ø40	ø20 to ø40											
Solid state auto switch	—	Grommet	—	3-wire (NPN)	5 V, 12 V	—	Perpendicular	M9NV	M9N	●	●	●	○	IC circuit					
				3-wire (PNP)			M9PV	M9P	●	●	●	○							
				2-wire			M9BV	M9B	●	●	●	○							
		Connector		2-wire			—	H7C	●	●	●	○							
				Yes			3-wire (NPN)	M9NVV	M9NV	●	●	●	○						
							3-wire (PNP)	M9PWW	M9PW	●	●	●	○						
	Diagnostic indication (2-color indicator)	Grommet	Yes	2-wire	24 V	5 V, 12 V	—	M9BWW	M9BW	●	●	●	○	IC circuit					
				3-wire (NPN)				M9NAV ^{*1}	M9NA ^{*1}	○	○	○	○						
				3-wire (PNP)				M9PAV ^{*1}	M9PA ^{*1}	○	○	○	○						
		Water resistant (2-color indicator)		Grommet				2-wire	24 V	12 V	—	—	—		●	●	●	○	—
								3-wire (NPN)				M9NAV ^{*1}	M9NA ^{*1}		○	○	○	○	
								3-wire (PNP)				M9PAV ^{*1}	M9PA ^{*1}		○	○	○	○	
Diagnostic output (2-color indicator)	Grommet	4-wire (NPN)	24 V	12 V	—	—	H7NF	●				●	●	○	IC circuit				
		Yes				2-wire	A96V	A96				●	●	●		○			
							A93V ^{*2}	A93				●	●	●		○			
None	Connector	Yes				24 V	12 V	—	A90V	A90	●	●	●	○		IC circuit			
									—	B54	●	●	●	○					
									—	B64	●	●	●	○					
None	Grommet		Yes	24 V	12 V				—	—	C73C	●	●	●	○		—		
										—	C80C	●	●	●	○				
										—	B59W	●	●	●	○				

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. A water-resistant type cylinder is recommended for use in an environment which requires water resistance. However, please contact SMC for water-resistant products of ø20 and ø25.
 *2 1 m type lead wire is only applicable to D-A93.
 * Lead wire length symbols: 0.5 m Nil (Example) M9NV 5 m Z (Example) M9NVZ * Solid state auto switches marked with "○" are produced upon receipt of order.
 1 m M (Example) M9NVW None N (Example) H7CN
 3 m L (Example) M9NVL

* Since there are other applicable auto switches than listed, refer to page 882 for details.
 * For details about auto switches with pre-wired connector, refer to pages 1192 and 1193.
 * D-A9□(V)/M9□(V)/M9□(V)/M9□(V) auto switches are shipped together (not assembled). (Only auto switch brackets are assembled at the time of shipment.)