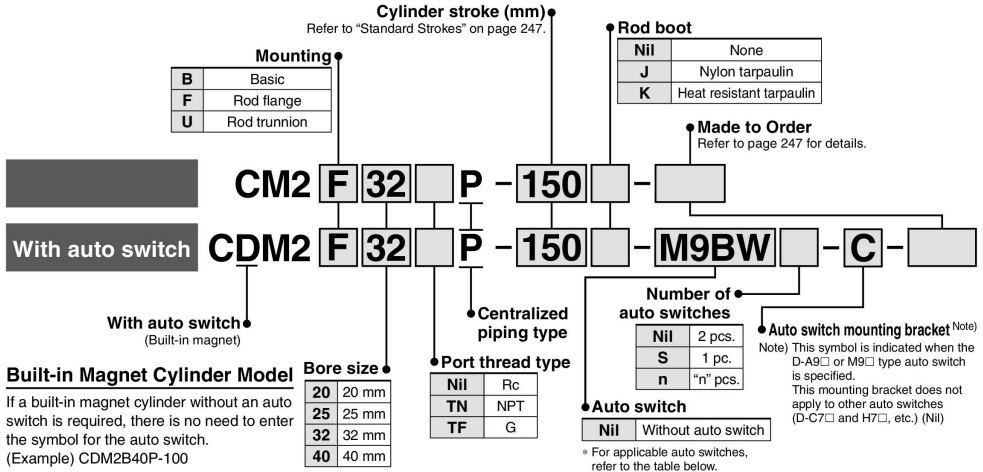


Air Cylinder: Centralized Piping Type Double Acting, Single Rod

CM2□P 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 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)							
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	●	●	●	○	—	○	Relay, PLC					
				3-wire (PNP)			M9PV	M9P	●	●	●	○	—	○						
		Connector		2-wire	12 V	—	M9BV	M9B	●	●	●	○	—	○						
				Terminal conduit			3-wire (NPN)	5 V, 12 V	—	G39A	—	—	—	—		—	○			
	Diagnostic indication (2-color indicator)	Grommet	Yes	2-wire	12 V	—	—	K39A	—	—	—	—	●	—		—				
				3-wire (NPN)			5 V, 12 V	—	M9NVV	M9NV	●	●	●	○		—	○			
		3-wire (PNP)		5 V, 12 V	—	M9PVV	M9PV	●	●	●	○	—	○							
		Water resistant (2-color indicator)		Grommet	2-wire	12 V	—	M9BVV	M9BV	●	●	●	○	—		○				
					3-wire (NPN)			5 V, 12 V	—	M9NAV ^{*1}	M9NA ^{*1}	○	○	○		○	—	○		
		With diagnostic output (2-color indicator)		Grommet	Yes	3-wire (PNP)	12 V	—	M9PAV ^{*1}	M9PA ^{*1}	○	○	○	○		—	○			
2-wire	12 V		—			M9BAV ^{*1}			M9BA ^{*1}	○	○	○	○	—	○					
4-wire (NPN)	5 V, 12 V	—	—	H7NF	—	●	—	●	—	—	○	○								
Reed auto switch	—	Grommet	Yes/No/Yes/No	3-wire (NPN equivalent)	5 V	—	A96V	A96	●	—	●	—	—	—	○	—				
				100 V			A93V ^{*2}	A93	●	●	●	●	—	—	—					
				100 V or less	A90V	A90	●	—	●	—	—	—	—	○	—					
				100 V, 200 V	—	B54	●	—	●	—	—	—	—	—	—					
				200 V or less	—	B64	●	—	●	—	—	—	—	—	—					
		Connector		No/Yes/No/Yes	2-wire	24 V	12 V	—	—	C73C	●	—	●	—	—	—	—	—		
									—	C80C	●	—	●	—	—	—	—	○	—	
									—	A33A	—	—	—	—	—	—	—	—	●	—
									—	A34A	—	—	—	—	—	—	—	—	●	—
									—	A44A	—	—	—	—	—	—	—	—	●	—
Terminal conduit	Yes	2-wire	24 V	12 V	—	100 V, 200 V	—	A44A	—	—	—	—	—	—	—					
						—	B59W	●	—	●	—	—	—	—	—	—				
DIN terminal	Yes	2-wire	24 V	12 V	—	—	—	A44A	—	—	—	—	—	—	—					
						—	B59W	●	—	●	—	—	—	—	—	—				
Grommet	Yes	2-wire	24 V	12 V	—	—	—	B59W	●	—	●	—	—	—	—					
						—	—	—	—	—	—	—	—	—	—	—				

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

Please contact 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 266 for details.

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

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