

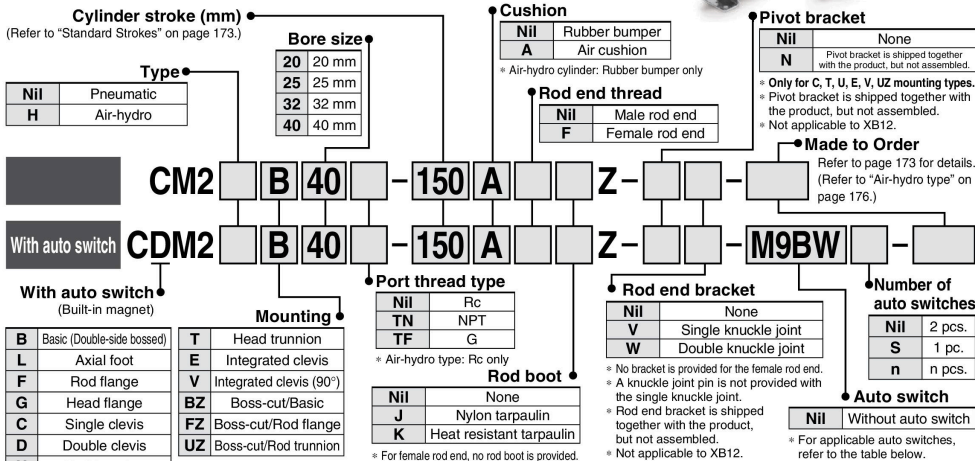
Air Cylinder: Standard Type Double Acting, Single Rod

CM2 Series ø20, ø25, ø32, ø40

RoHS



How to Order



* Refer to "Ordering Example of Cylinder Assembly" on page 173.

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)								
																Yes	No	Yes	No	Yes	No
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	○	—	—	IC circuit	Relay, PLC					
				3-wire (PNP)				M9PV	M9P	●	●	○	—	—							
				2-wire				M9BV	M9B	●	●	○	—	—							
		3-wire (NPN)		—				H7C	●	●	○	—	—								
		3-wire (PNP)		—				G39A	—	—	—	—	●	—							
		2-wire		—				K39A	—	—	—	—	●	—							
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NWV	M9NW	●	●	○	—	—	IC circuit						
				3-wire (PNP)				M9PWV	M9PW	●	●	○	—	—							
				2-wire				M9BWV	M9BW	●	●	○	—	—							
				3-wire (NPN)				M9NAV*1	M9NA*1	○	○	○	—	—							
Water resistant (2-color indicator)	Grommet	Yes	3-wire (PNP)	24 V	5 V, 12 V	—	M9PAV*1	M9PA*1	○	○	○	—	—	IC circuit							
			2-wire				M9BAV*1	M9BA*1	○	○	○	—	—								
			3-wire (NPN)				—	H7NF	●	●	○	—	—								
			4-wire (NPN)				—	H7NF	●	●	○	—	—								
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	24 V	5 V	12 V	A96V	A96	●	●	—	—	IC circuit	Relay, PLC						
				100 V				A93V*2	A93	●	●	●	—			—					
				100 V or less				A90V	A90	●	●	—	—			—					
				100 V, 200 V				—	B54	●	●	●	—			—					
				200 V or less				—	B64	●	●	—	—			—					
		Connector		No				Yes	2-wire	24 V	12 V	—	—	C73C		●	●	●	—	IC circuit	
													—	C80C		●	●	●	—		—
													—	A33A		—	—	—	—		—
													—	A34A		—	—	—	●		—
													—	A44A		—	—	—	●		—
Terminal conduit	No	Yes	2-wire	24 V	100 V, 200 V	—	—	A44A	—	—	—	●	—								
							—	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.

*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) M9NWV
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.
* Do not indicate suffix "N" for no lead wire on the D-A93/A44A/G39A/K39A models.

* 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-A93□/M9□□□ auto switches are shipped together, (but not assembled). (However, only the auto switch mounting brackets are assembled before shipment.)