

# Air Cylinder: Direct Mount Type

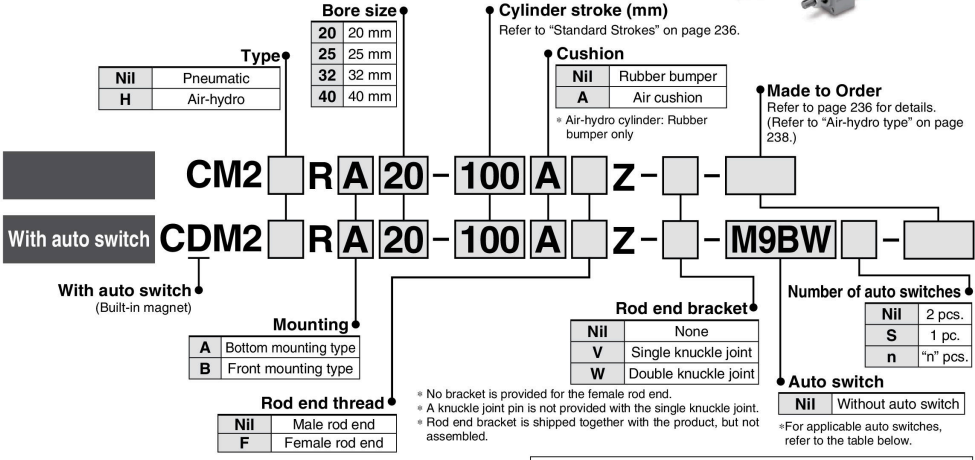
## Double Acting, Single Rod

# CM2R Series

ø20, ø25, ø32, ø40



### How to Order



\* Refer to "Ordering Example of Cylinder Assembly" on page 236.

### 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	1	3	5	None						
									(Nil)	(M)	(L)	(Z)	(N)						
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	●	●	●	○	—	○	IC circuit				
				3-wire (PNP)			M9PV	M9P	●	●	●	○	—	○					
		2-wire		M9BV	M9B	●	●	●	○	—	○	—							
		Terminal conduit		2-wire	H7C	●	●	●	○	—	○								
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	—	G39A**	—	—	—	—	—	—	IC circuit			
				3-wire (PNP)				—	K39A**	—	—	—	—	—	—				
	Water resistant (2-color indicator)	Grommet	Yes	2-wire	24 V	5 V, 12 V	—	M9NVV	M9NV	●	●	●	○	—	○	IC circuit			
				3-wire (NPN)				M9PVV	M9PV	●	●	●	○	—	○				
				3-wire (PNP)				M9BVV	M9BV	●	●	●	○	—	○				
				2-wire				M9NAV*1	M9NA*1	○	○	○	○	○	○		IC circuit		
3-wire (NPN)	M9PAV*1	M9PA*1	○	○	○	○	○	○											
With diagnostic output (2-color indicator)	Grommet	Yes	2-wire	24 V	12 V	—	M9BAV*1	M9BA*1	○	○	○	○	○	○	IC circuit				
			4-wire (NPN)				—	H7NF	●	●	●	○	—	○					
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	24 V	12 V	—	A96V	A96	●	●	●	—	—	IC circuit				
				100 V				A93V*2	A93	●	●	●	—	—					
				100 V or less				A90V	A90	●	●	●	—	—		IC circuit			
				100 V, 200 V				—	B54**	●	●	●	—	—					
				200 V or less				—	B64**	●	●	●	—	—					
		Connector		No/Yes/No/Yes/No	2-wire	24 V	12 V	—	—	—	C73C	●	●	●	●	—	IC circuit		
										—	C80C	●	●	●	●	—			
										—	A33A**	—	—	—	—	—		—	PLC
										100 V,	—	A34A**	—	—	—	—		—	
										200 V	—	A44A**	—	—	—	—		—	
DIN terminal	Yes	Grommet	24 V	12 V	—	—	—	B59W	●	●	●	—	—	Relay, PLC					
							—	—	—	—	—	—	—		—				

\*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.  
 \*2 Please contact SMC regarding water resistant types with the above model numbers.  
 \*3 1 m type lead wire is only applicable to D-A93.  
 \*4 Lead wire length symbols: 0.5 m ..... Nil (Example) M9NV  
 1 m ..... M (Example) M9NVW  
 3 m ..... L (Example) M9NWL  
 5 m ..... Z (Example) M9NZZ  
 None ..... N (Example) H7CN  
 \*5 Solid state auto switches marked with "○" are produced upon receipt of order.  
 \*6 Do not indicate suffix "N" for no lead wire on the D-A3□A/A44A/G39A/K39A models.  
 \*7 D-A3□A/A44A/G39A/K39A/B54/B64 cannot be mounted on bore sizes ø20 and ø25 cylinder with air cushion.  
 \*8 Since there are other applicable auto switches than listed above, refer to page 266 for details.  
 \*9 For details about auto switches with pre-wired connector, refer to pages 1648 and 1649.  
 \*10 The D-A9□□M9□□□ auto switches are shipped together, (but not assembled). (However, only the auto switch mounting brackets are assembled before shipment.)



CJ1  
CJP  
CJ2  
JCM  
CM2  
CM3  
CG1  
CG3  
JMB  
MB  
MB1  
CA2  
CS1  
CS2

D-□  
-X□  
Technical Data