

# Air Cylinder

## Double Acting, Single Rod

### JCM Series

ø20, ø25, ø32, ø40



### How to Order

Without auto switch

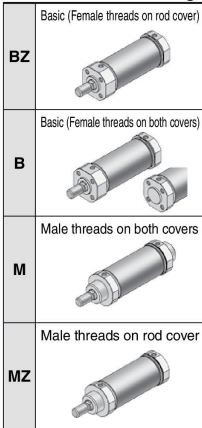
JCM **BZ** **20** - **100**

With auto switch

JCDM **BZ** **20** - **100** - **M9BW**

With auto switch  
(Built-in magnet)

Mounting



Bore size

20	20 mm
25	25 mm
32	32 mm
40	40 mm

Port thread type

Nil	M5 (ø20 to ø40)
TR	Rc1/8 (ø20 to ø40)

Cylinder stroke (mm)

Refer to "Standard Strokes" on page 156.

Rod end thread

Nil	Male thread
F	Female thread

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	n pcs.

Auto switch

Nil	Without auto switch
-----	---------------------

\* For applicable auto switches, refer to the table below.

Mounting nut

Nil	None
D	With mounting nut (1 pc.)*

\* For M and MZ only. Mounting nut is shipped together with the product, but not assembled.



Rod end nut is provided as standard.

### 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					
									(Nil)	(M)	(L)	(Z)					
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	—	M9NV	M9N	●	●	●	○	○	IC circuit			
				3-wire (PNP)			M9PV	M9P	●	●	●	○	○				
				2-wire			M9BV	M9B	●	●	●	○	○				
				3-wire (NPN)			M9NVV	M9NV	●	●	●	○	○				
	Diagnostic indication (2-color indicator)			3-wire (PNP)	M9PVV	M9PV	●	●	●	○	○	IC circuit					
					2-wire	M9BVV	M9BV	●	●	●	○		○				
	Water resistant (2-color indicator)			3-wire (NPN)	—	—	5 V, 12 V	—	—	M9NAV**	M9NA**	○	○	●	○	○	IC circuit
										3-wire (PNP)	M9PAV**	M9PA**	○	○	●	○	
		2-wire	M9BAV**							M9BA**	○	○	●	○	○		
		—	—							—	—	—	—	—	—	—	

\*\* 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.

\* Lead wire length symbols: 0.5 m..... Nil (Example) M9NV M (Example) M9NVW 1 m..... M (Example) M9NVW 3 m..... L (Example) M9NWL 5 m..... Z (Example) M9NWZ

\* Solid state auto switches marked with "○" are produced upon receipt of order.

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

\* The D-M9□□□ auto switch is 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