

Compact Cylinder with Linear Guide

MXZ Series

ø12, ø16, ø20, ø25

RoHS

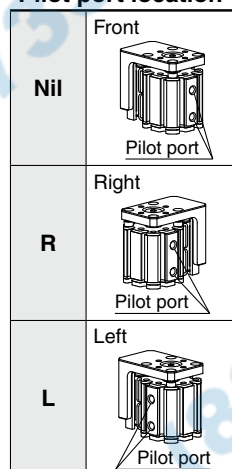
How to Order

MXZ 20 - 20 - M9BW

Bore size

12	12 mm
16	16 mm
20	20 mm
25	25 mm

Pilot port location



Number of auto switches

Nil	2
S	1
n	n

* The number of auto switches that can be mounted depends on the bore size and the port location of the product. ▶ P. 16

Auto switch

Nil	Without auto switch (Built-in magnet)
-----	---------------------------------------

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

Option

Nil	Without mounting bolt
L	With mounting bolt

* 2 mounting bolts are shipped together with the product, (but not assembled).

* Details of the mounting bolt ▶ P. 6

Stroke/Minimum stroke for auto switch mounting ▶ P. 15

Bore size	Standard stroke [mm]									
	5	10	15	20	25	30	35	40	45	50
12	●	●	●	●	●	●	—	—	—	—
16	●	●	●	●	●	●	—	—	—	—
20	●	●	●	●	●	●	●	●	●	●
25	●	●	●	●	●	●	●	●	●	●

Applicable Auto Switches/Refer to the Web Catalog or Best Pneumatics 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)				
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)			M9NWV				M9NW	●	●	●	○	○			
	Diagnostic indication (2-color indicator)			3-wire (PNP)	M9PWV	M9PW		●	●	●	○	○	IC circuit			
	Water resistant (2-color indicator)			2-wire	M9BWW	M9BW		●	●	●	○	○				
				3-wire (NPN)	M9NAV ^{*1}	M9NA ^{*1}		○	○	●	○	○				
				3-wire (PNP)	M9PAV ^{*1}	M9PA ^{*1}		○	○	●	○	○				
				2-wire	M9BAV ^{*1}	M9BA ^{*1}		○	○	●	○	○				
				2-wire				○	○	●	○	○				
2-wire				○	○	●	○	○								

*1 Water resistant type auto switches are mountable on the above models, but SMC cannot guarantee water resistance. Please contact SMC for water resistant products.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW
1 m M (Example) M9NWM
3 m L (Example) M9NWL
5 m Z (Example) M9NWZ

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

* There are other applicable auto switches than listed above. Details ▶ P. 16

* Auto switches are shipped together, but not assembled.