

Parallel Type Air Gripper/Standard Type

MHZ2 Series

ø6, ø10, ø16, ø20, ø25, ø32, ø40

How to Order

Bore size

ø6 **MHZ2-6D** - **M9BW** -

Number of fingers
2 2 fingers

Bore size
6 6 mm

Action
D Double acting
S Single acting (Normally open)
C Single acting (Normally closed)

Auto switch
Nil Without auto switch (Built-in magnet)
S 1 pc.
Nil 2 pcs.

Made to Order
Refer to page 411 for details.

Number of auto switches

* For the applicable auto switch model, refer to the table below.

Finger option

[Standard] Nil: Basic type

1: Side tapped mounting

2: Through-holes in opening/closing direction

3: Flat type fingers

Moisture Control Tube IDK Series

When operating an actuator with a small diameter and a short stroke at a high frequency, the dew condensation (water droplet) may occur inside the piping depending on the conditions. Simply connecting the moisture control tube to the actuator will prevent dew condensation from occurring. For details, refer to [the IDK series in the Best Pneumatics No. 6](#).

Applicable Auto Switches/Refer to pages 797 to 850 for further information on the auto switch.

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	Electrical entry direction		0.5 (Nil)	1 (M)	3 (L)	5 (Z)			
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V, 12 V	24 V	Perpendicular	M9NV	M9N	●	●	●	○	○	IC circuit
				3-wire (PNP)			In-line	F8N	—	—	—	●	—	—	
				2-wire			Perpendicular	M9PV	M9P	●	●	●	○	○	
				3-wire (NPN)	5 V, 12 V	12 V	In-line	F8P	—	—	—	●	—	—	—
				3-wire (PNP)			Perpendicular	M9BV	M9B	●	●	●	○	○	
				2-wire			In-line	F8B	—	—	—	●	—	—	
	Diagnosis (2-color indicator)	Grommet	Yes	3-wire (NPN)	5 V, 12 V	12 V	Perpendicular	M9NV	M9NW	●	●	●	○	○	IC circuit
				3-wire (PNP)			In-line	M9PW	M9PW	●	●	●	○	○	
	Water resistant (2-color indicator)	Grommet	Yes	2-wire	5 V, 12 V	12 V	Perpendicular	M9BV	M9BW	●	●	●	○	○	—
				3-wire (NPN)			In-line	M9NAV**	M9NA**	○	○	●	○	○	
				3-wire (PNP)	5 V, 12 V	12 V	Perpendicular	M9PAV**	M9PA**	○	○	●	○	○	IC circuit
				2-wire			In-line	M9BAV**	M9BA**	○	○	●	○	○	

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

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW

1 m..... M (Example) M9NW

3 m..... L (Example) M9NL

5 m..... Z (Example) M9NZ

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

Note 1) When using a D-F8□ switch, mount it at a distance of 10 mm or more from magnetic substances such as iron, etc.

Note 2) When using the 2-color indicator type, please make the setting so that the indicator is lit in red to ensure the detection at the proper position of the air gripper.