


Parallel Type Air Gripper/4-Finger Type


MHS4 Series

ø16, ø20, ø25, ø32, ø40, ø50, ø63

How to Order

Bore size

ø16 to ø25 **MHS4-20D-M9BW** 

Number of fingers •  4 fingers

Bore size •

16	16 mm
20	20 mm
25	25 mm

Action •

D	Double acting
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Auto switch •

Nil	Without auto switch (Built-in magnet)
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Number of auto switches •

Nil	2 pcs.
S	1 pc.

Made to Order • Refer to page 629 for details.

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

Applicable Auto Switches/Refer to pages 797 to 850 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	—	M9NV	M9N	●	●	●	○	○	○	IC circuit	Relay, PLC
				3-wire (PNP)			M9PV	M9P	●	●	●	○	○			
	2-wire			M9BV			M9B	●	●	●	○	○	○	—		
	3-wire (NPN)			M9NVW			M9NW	●	●	●	○	○	○	—		
	3-wire (PNP)			M9PWW			M9PW	●	●	●	○	○	○	—		
	2-wire			M9BWW			M9BW	●	●	●	○	○	○	—		
	3-wire (NPN)			M9NAV**			M9NA**	○	○	●	○	○	○	IC circuit		
	3-wire (PNP)			M9PAV**			M9PA**	○	○	●	○	○	○	2-wire		
	2-wire			M9BAV**			M9BA**	○	○	●	○	○	○	—		
	Water resistant (2-color indicator)															


** 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) M9NV
1 m M (Example) M9NVW
3 m L (Example) M9NVWL
5 m Z (Example) M9NVWZ

* Auto switches marked with a "O" symbol are produced upon receipt of order.

(Note) 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.

Bore size

ø32 to ø63 **MHS4-50D-M9BW** 

Number of fingers •  4 fingers

Bore size •

32	32 mm
40	40 mm
50	50 mm
63	63 mm

Action •

D	Double acting
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Auto switch •

Nil	Without auto switch (Built-in magnet)
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Number of auto switches •

Nil	2 pcs.
S	1 pc.

Made to Order • Refer to page 629 for details.

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Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m)*					Pre-wired connector	Applicable load				
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	DC	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	○	Relay, PLC				
				3-wire (PNP)				M9NV	M9N							●	●	●	○
				2-wire				M9PV	M9P							●	●	●	○
				3-wire (NPN)				M9BV	M9B							●	●	●	○
	Diagnosis (2-color indicator)			3-wire (NPN)	M9NVW	M9NW	●	●	●	○									
				3-wire (PNP)	M9PWV	M9PW	●	●	●	○									
	Water resistant (2-color indicator)			2-wire	M9BVW	M9BW	●	●	●	○									
				3-wire (NPN)	M9NAV**	M9NA**	○	○	○	○									
				3-wire (PNP)	M9PAV**	M9PA**	○	○	○	○									
				2-wire	M9BAV**	M9BA**	○	●	○	○									

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* Lead wire length symbols: 0.5 m Nil (Example) M9NV
1 m M (Example) M9NVW
3 m L (Example) M9NVWL
5 m Z (Example) M9NVWZ

* Auto switches marked with a "O" symbol are produced upon receipt of order.

Note 1) 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.

Note 2) When ordering the air gripper with auto switch, auto switch mounting brackets are supplied with the air gripper having a bore size of ø32 to ø125.

Note 3) When ordering the auto switch separately, auto switch mounting brackets (BMG2-012) are required.