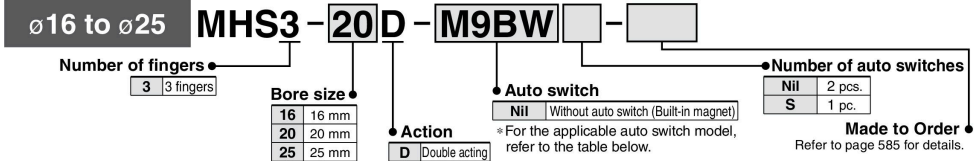


Parallel Type Air Gripper/3-Finger Type MHS3 Series

ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100, ø125

How to Order

Bore size



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	5 V, 12 V	—	M9NV	M9N	●	●	○	○	Relay, PLC
				3-wire (PNP)				M9PV	M9P	●	●	○	○	
				2-wire				M9BV	M9B	●	●	○	○	
				3-wire (NPN)				M9NWX	M9NWX	●	●	○	○	
				3-wire (PNP)				M9PWX	M9PW	●	●	○	○	
				2-wire				M9BWX	M9BW	●	●	○	○	
	Diagnosis (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NAV**	M9NA**	○	○	○	○	Relay, PLC
				3-wire (PNP)				M9PAV**	M9PA**	○	○	○	○	
				2-wire				M9BAV**	M9BA**	○	○	○	○	
				3-wire (NPN)						○	○	○	○	
				3-wire (PNP)						○	○	○	○	
				2-wire						○	○	○	○	
Water resistant (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NAV**	M9NA**	○	○	○	○	Relay, PLC	
			3-wire (PNP)				M9PAV**	M9PA**	○	○	○	○		
			2-wire				M9BAV**	M9BA**	○	○	○	○		
			3-wire (NPN)						○	○	○	○		
			3-wire (PNP)						○	○	○	○		
			2-wire						○	○	○	○		

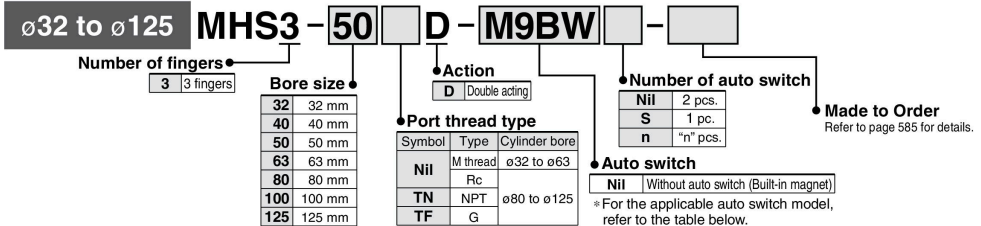
** Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.

* Lead wire length symbols: 0.5 m Nil (Example) M9N
1 m M (Example) M9NWM
3 m L (Example) M9NL
5 m Z (Example) M9NZ

* Auto switches marked with a "○" 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



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	5 V, 12 V	—	M9NV	M9N	●	●	○	○	Relay, PLC
				3-wire (PNP)				M9PV	M9P	●	●	○	○	
				2-wire				M9BV	M9B	●	●	○	○	
				3-wire (NPN)				M9NWX	M9NWX	●	●	○	○	
				3-wire (PNP)				M9PWX	M9PW	●	●	○	○	
				2-wire				M9BWX	M9BW	●	●	○	○	
	Diagnosis (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NAV**	M9NA**	○	○	○	○	Relay, PLC
				3-wire (PNP)				M9PAV**	M9PA**	○	○	○	○	
				2-wire				M9BAV**	M9BA**	○	○	○	○	
				3-wire (NPN)						○	○	○	○	
				3-wire (PNP)						○	○	○	○	
				2-wire						○	○	○	○	
Water resistant (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NAV**	M9NA**	○	○	○	○	Relay, PLC	
			3-wire (PNP)				M9PAV**	M9PA**	○	○	○	○		
			2-wire				M9BAV**	M9BA**	○	○	○	○		
			3-wire (NPN)						○	○	○	○		
			3-wire (PNP)						○	○	○	○		
			2-wire						○	○	○	○		

** 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) M9NWM
3 m L (Example) M9NL
5 m Z (Example) M9NZ

* Auto switches marked with a "○" 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.