

# Wedge Cam Operation Slide Guide

## Air Gripper/2-Finger Type

# MHK2 Series

ø12, ø16, ø20, ø25

### How to Order

Standard type

MHK 2 - 20 D 1 F - M9B

Long stroke type

MHKL 2 - 20 D 1 F - M9B

Number of fingers  
2 2 fingers

Bore size

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

Action

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

Finger material

Nil	Carbon steel
1	Stainless steel

Made to Order  
Refer to page 551 for details.

Number of auto switches

Nil	2 pcs.
S	1 pc.

Auto switch

Nil	Without auto switch (Built-in magnet)
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Dust cover material

Nil	Chloroprene rubber (CR)
F	Fluororubber (FKM)
S	Silicone rubber

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) <sup>*)</sup>				Pre-wired connector	Applicable load		
					DC	AC	Electrical entry direction		0.5 (Nil)	1 (M)	3 (L)	5 (Z)				
							Perpendicular	In-line								
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V,	—	M9NV	M9N	●	●	○	○	IC circuit	Relay, PLC		
				3-wire (PNP)	12 V		M9PV	M9P	●	●	○	○				
				2-wire	12 V		M9BV	M9B	●	●	○	○				
				3-wire (NPN)	5 V,		M9NVW	M9NW	●	●	○	○				
				3-wire (PNP)	12 V		M9PVW	M9PW	●	●	○	○				
				2-wire	12 V		M9BWW	M9BW	●	●	○	○				
	Diagnosis (2-color indicator)			—	M9NAV**		M9NA**	○	○	●	○	○	○		IC circuit	
					3-wire (NPN)		5 V,	M9PAV**	M9PA**	○	○	●	○			IC circuit
					3-wire (PNP)		12 V	M9PAV**	M9PA**	○	○	●	○			
					2-wire		12 V	M9BAV**	M9BA**	○	○	●	○			
					3-wire (NPN)		5 V,	M9NAV**	M9NA**	○	○	●	○			
					3-wire (PNP)		12 V	M9PAV**	M9PA**	○	○	●	○			
Water resistant (2-color indicator)	—	M9NAV**	M9NA**	○	○	●	○	○	○	IC circuit						
		3-wire (NPN)	5 V,	M9PAV**	M9PA**	○	○	●	○							
3-wire (PNP)	12 V	M9PAV**	M9PA**	○	○	●	○	○	IC circuit							
2-wire	12 V	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) M9NWM  
3 m ..... L (Example) M9NWL  
5 m ..... Z (Example) M9NWZ

\*) 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.