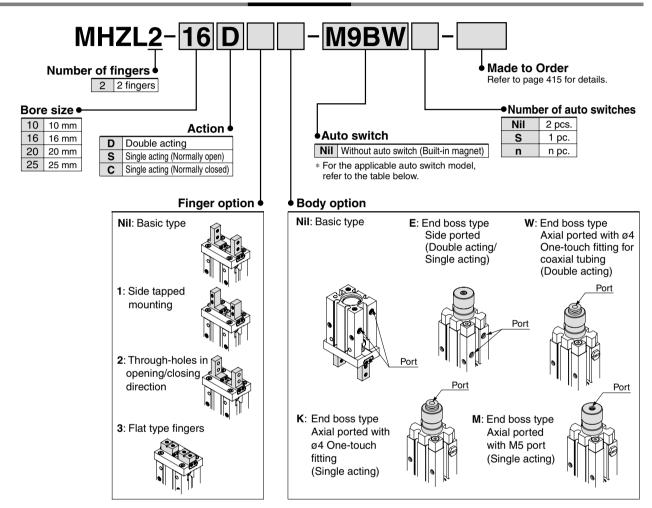
Parallel Style Air Gripper/Long Stroke Type

Series MHZL2

How to Order



Applicable Auto Switch/Refer to pages 761 to 809 for further information on the auto switch.

	Applicable Auto Owiton/Heler to pages 701 to 009 for further information on the auto switch.																				
		Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m) *											
	Туре									0.5	5 1	3	5	~10	~16	~00		Pre-wired connector	Applicable load		
							DC	AC	Perpendicular	In-line	(Nil) (Nil)	(M)	(L)	(Z)	וטוש	010	620	Ø25		.544	
ĺ							5V 10 V	5V, 12 V	M9NV	M9N	•	•	•	0	•	•	•	•	0	1	
		_	Grommet		3-wire (NPN)				F8N	_	•	_	•	0	_	•	•	•	_		
	switch				O wine (DND)	P)	5V, 12 V		M9PV	М9Р	•	•	•	0	•	•	•	•	0		
	SW			Yes	3-wire (PNP)				F8P	_	•	_	•	0	_	•	•	•	_		
	state				2-wire	24 V	24 V 12 V 5 V, 12 V		M9BV	M9B	•	•	•	0	•	•	•	•	0		Relay,
					2-wire			12 V	F8B	_	•	_	•	0	_	•	•	•	_	_	PLC
	Solid	Diagnosis	9		3-wire (NPN)			,]	M9NWV	M9NW	•	•	•	0	•	•	•	•	0	IC	
		(2-color indicator)			3-wire (PNP)				M9PWV	M9PW	•	•	•	0	•	•	•	•	0	circuit	
			indicator)	indicator)			2-wire	2-wire	12 V		M9BWV	M9BW	•	•	•	0	•	•	•	•	0

^{*} 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 O are produced upon receipt of order.

Note 2) Through-hole mounting is not possible when using the auto switch at the square groove on the side.

Note 1) Take note of hysteresis with 2-color indication type switches. Refer to page 438 for detailed auto switch specifications.

Note 3) Only MHZ2-10 is shipped with the auto switch mounting brackets. When the auto switch is used at the square groove on the side with MHZ2-16 to 25, mounting brackets are required. Order them separately. Refer to page 439 for the auto switch mounting brackets.

Parallel Style Air Gripper/Long Stroke Type Series MHZL2

Specifications

	Fluid		Air				
	Do	uble esting	ø10: 0.2 to 0.7 MPa				
Operating	Double acting		ø16 to ø25: 0.1 to 0.7 MPa				
pressure	Single	Normally open	ø10: 0.35 to 0.7 MPa				
	acting	Normally closed	ø16 to ø25: 0.25 to 0.7 MPa				
Ambient a	Ambient and fluid temperature		−10 to 60°C				
Repeatab	ility		±0.01 mm 120 c.p.m.				
Max. opei	ating fr	equency					
Lubrication	on		Not required				
Action			Double acting/Single acting				
Auto swit	ch (Opti	on) ^{Note)}	Solid state auto switch (3-wire, 2-wire)				

Note) Refer to pages 761 to 809 for further information on auto switches.

JIS Symbol

Double acting



Single acting type, Normally open



Single acting type, Normally closed



Model

			Bore size (mm)	Gripping	Opening/	Note 2) Mass (g)	
Action	n	Model		Gripping ford Effective	Closing stroke (Both sides)		
				External	Internal	(mm)	
		MHZL2-10D	10	11	17	8	60
Double	е	MHZL2-16D	16	34	45	12	135
acting	g	MHZL2-20D	20	42	66	18	270
		MHZL2-25D	25	65	104	22	470
	oen	MHZL2-10S	10	7.1		8	70
	ly op	MHZL2-16S	16	27		12	145
	Normally open	MHZL2-20S	20	33	_	18	290
Single		MHZL2-25S	25	50		22	515
acting		MHZL2-10C	10		13	8	70
	/ clo	MHZL2-16C	16		38	12	140
	Vormally	MHZL2-20C	20		57	18	290
	Nor	MHZL2-25C	25		85	22	515

Note 1) Values based on pressure of 0.5 MPa, gripping point L = 20 mm, at center of stroke. Note 2) Values excluding mass of auto switch.

Refer to pages 436 to 440 for the specifications with auto switch.

- Auto switch installation examples and mounting positions
- Auto switch hysteresis
- Auto switch mounting
- Protrusion of auto switch from edge of body

Option

●Body Option/End Boss Type

Commanda and	Piping port		Applicable model				
Symbol	location	MHZL2-10	MHZL2-16	MHZL2-20	MHZL2-25	Double acting	Single acting
Nil	Basic type	M3 x 0.5		•	•		
E	Side ported	M3 x 0.5		•	•		
W	Axial ported	With ø4	•	_			
K	Axial ported		_	•			
М	Axial ported M5 x 0.8					_	•

* For detailed body option specifications, refer to option specifications on pages 422 and 423.



Made to Order (Refer to pages 683 to 713 for details.)

Symbol	Specifications/Description					
-X4	Heat resistance (100°C)					
-X5	Fluororubber seal					
-X7	Closing direction spring assist					
-X12	Opening direction spring assist					
-X50	Without magnet					
-X53	EPDM seal/Fluorine grease					
-X56	Axial ported type					
-X63	Fluorine grease					
-X79	Grease for food					

MHZ

MHF MHL

MHR

MHK

MHS

MHC

MHT

MHY

INILLI

MHW -X□

MRHQ

MA

D-□

