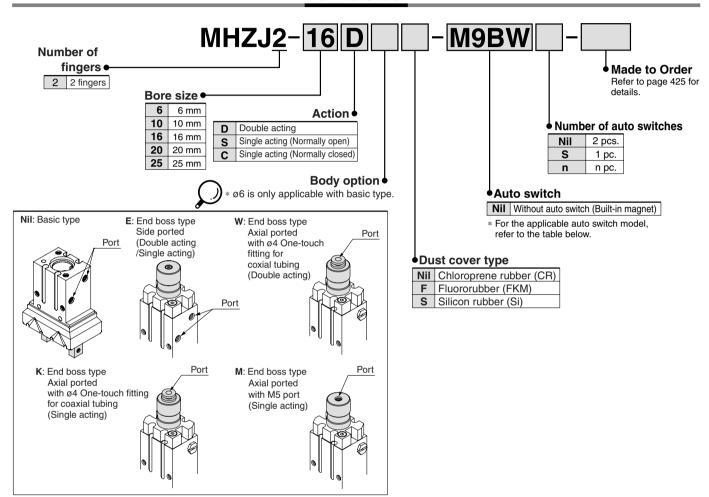
## Parallel Style Air Gripper with Dust Cover

# Series MHZJ2

### **How to Order**



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

Туре			ight	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m) *			Applicable model									
		Electrical entry	Indicator light				Electrical entry direction		0.5	1 3	3	5	0	~10	~16	~20	~05	Pre-wired connector	Applicable load		
						DC	AC	Perpendicular	In-line	(Nil)	(M)	(L)	(Z)	ا ٥٥	اناق	ø16	Ø20	025	00111100101	loau	
te switch	_	Crammat	net Yes	2 wire (NIDNI)	2 uring (NIDNI)	5 V, 12 V		M9NV	M9N	•	•	•	0	•	•	•	•	•	0		IC ircuit
				3-wire (NPN)				F8N	_	•	_	•	0	•	_	•	•	•	_	IC circuit	
				3-wire (PNP)				M9PV	M9P	•	•	•	0	•	•	•	•	•	0		
								F8P	_	•	_	•	0	•	_	•	•	•	_		
				2-wire 3-wire (NPN) 24	24 V	12 V		M9BV	M9B	•	•	•	0	•	•	•	•	•	0		
								F8B	_	•	_	•	0	•	_	•	•	•	_	_	Relay,
state	Diagnosis (2-color indicator)	Grommet			24 V	5 V, 12 V	_	M9NWV	M9NW	•	•	•	0	•	•	•	•	•	0	IC	PLC
Solid		-		3-wire (PNP)				M9PWV	M9PW	•	•	•	0	•	•	•	•	•	0	circuit	
Ň				2-wire		12 V		M9BWV	M9BW	•	•	•	0	•	•	•	•	•	0	_	1
	Water resistant (2-color indicator)			3-wire (NPN)		5 V, 12 V		M9NAV	M9NA	0	0	•	0	•	•	•	•	•	0	IC	
				3-wire (PNP)				M9PAV	М9РА	0	0	•	0	•	•	•	•	•	0	circuit	
				2-wire			M9BAV	М9ВА	0	0	•	0	•	•	•	•	•	0	_	1	
* Lea	Lead wire length symbols: 0.5 m······ Nil (Example) M9NW					* Solid sta	te auto sw	tches	mark	ed wi	th O	are p	rodu	ced ι	ıpon	recei	pt of orde	·.			

<sup>\*</sup> Lead wire length symbols: 0.5 m ...... Nil (Example) M9NW

1 m······ M (Example) M9NWM

3 m······ L (Example) M9NWL

<sup>5</sup> m······ Z (Example) M9NWZ

Note 1) Take note of hysteresis with 2-color indication type switches. Refer to page 438 for detailed auto switch specifications. Note 2) When using a D-F8□ switch on sizes ø6, mount it at a distance of 10 mm or more from magnetic substances such as iron, etc.

### Parallel Style Air Gripper with Dust Cover Series MHZJ2



### JIS Symbol

Double acting



Single acting type, Normally open



Single acting type, Normally closed



### 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

### Made to Order

#### 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
-X64	Finger: Side tapped mounting
-X65	Finger: Through-hole mounting
-X77A	Dust cover adhesion
-X77B	Dust cover adhesion (Finger part only)
-X78A	Dust cover caulking
-X78B	Dust cover caulking (Finger part only)
-X79	Grease for food

### **Specifications**

	Flui	d	Air				
			ø6: 0.15 to 0.7 MPa				
	Do	uble acting	ø10: 0.2 to 0.7 MPa				
Operating			ø16 to ø25: 0.1 to 0.7 MPa				
pressure	Single	Normally open	ø6: 0.3 to 0.7 MPa				
	acting		ø10: 0.35 to 0.7 MPa				
		Normally closed	ø16 to ø25: 0.25 to 0.7 MPa				
Ambient a	nd fluid	temperature	−10 to 60°C				
Repeatabi	lity		±0.01 mm				
Max. opera	ating fr	equency	180 c.p.m.				
Lubricatio	n		Not required				
Action			Double acting, Single acting				
Auto swite	h (opti	on) <sup>Note)</sup>	Solid state auto switch (3-wire, 2-wire)				

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

### Model

Action			Bore size (mm)	Gripping f	Opening/	Note 2) Mass (g)	
		Model		Gripping for Effective	Closing stroke (Both sides)		
			(111111)	External	Internal	` (mm) ´	
		MHZJ2- 6D	6	3.3	6.1	4	28
		MHZJ2-10D	10	9.8	17	4	60
Double		MHZJ2-16D	16	30	40	6	130
dotting		MHZJ2-20D	20	42	66	10	250
		MHZJ2-25D	25	65	104	14	460
	open	MHZJ2- 6S	6	1.9		4	28
		MHZJ2-10S	10	6.3		4	60
	ally	MHZJ2-16S	16	24	_	6	130
	Normally	MHZJ2-20S	20	28		10	255
Single	N	MHZJ2-25S	25	45		14	465
acting	sed	MHZJ2- 6C	6		3.7	4	28
	closed	MHZJ2-10C	10		12	4	60
	_	MHZJ2-16C	16	_	31	6	130
	Normally	MHZJ2-20C	20		56	10	255
	No	MHZJ2-25C	25		83	14	460

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.

### **Option**

Body Option/End Boss Type

Body Option/End Boss Type												
Symbol	Piping port		Applicable model									
Symbol	location	MHZJ2-10	MHZJ2-16	MHZJ2-20	MHZJ2-25	Double acting	Single acting					
Nil	Basic type	M3 x 0.5		•	•							
E	Side ported	M3 x 0.5		•	•							
W	Axial ported	With ø4 One-touch fitting for coaxial tubing					_					
K	Axial ported	With ø4 One-touch fitting					•					
М	Axial ported		_	•								

 $<sup>\</sup>ast$  For detailed body option specifications, refer to option specifications on pages 434 and 435.

MHZ

MHF

MHR

MHK

MHS

MHC

MHT

MHY

MHW

**-X**□

MRHQ

MA



