



feeding the performance

Ultra High-Speed and compact! Nachi MZ 03EL / 04 / 07 / 07L



Advantages of the Nachi MZ 03EL / 04 / 07 / 07L

- » Smart cable routing
- » Compact and flexible installation
- » Easy programming
- » Multipurpose usage
- » Software Built-In PLC

Nachi MZ - The World's fastest lightweight robot!

Latest motion control technology to improve productivity

SAMSYS is happy to help
when selecting the size -
As needed.

Model:	MZ03 EL	MZ04	MZ 07 (MZ 07P)	MZ07 L (MZ07 LP)		
Weight:	39,0 kg	26,0 kg	30,0 kg	32,0 kg		
Max. Payload:	3,5 kg	4,0 kg	7,0 kg	7,0 kg		
Max. Reach:	1102 mm	541 mm	723 mm	912 mm		
Footprint:	Ø190 mm	Ø150 mm	Ø190 mm	Ø190 mm		
Safety class:	IP67	IP54 (IP 67)	IP67	IP67		
Power Consumption:	Ca. 400 Watt	Ca. 400 Watt	Ca. 400 Watt	Ca. 400 Watt		
Number of joints:		6 (5)				
Max. Operating Area:						
Arm	J1		±170°			
	J2	-135° ~ 80°	-145° ~ +90°	-135° ~ +80°		
	J3	-155° ~ 270°	-125° ~ +280°	-139° ~ 270°		
Wrist	J4		± 190°			
	J5		± 120°			
	J6		± 360°			
Position Repeatability:	± 0.03 mm	± 0.02 mm	± 0.02 mm	± 0.03 mm		
Max. Velocity						
in °/s:	Arm	J1	300	480	450	300
		J2	230	460	380	280
		J3	360	520	520	360
	Wrist	J4	550	560	550	550
		J5	550	560	550	550
		J6	1000	900	100	100
Controller Dimensions :	B x T x H / 369 mm x 490 mm x 173 mm					
Weight:	ca. 17 kg					
Safety class:	IP20					
Memory Capacity:	256 MB					
Max. Control Axes:	7					
Digital I/O:	Up to 2pcs of 32point/32point I/O Board 8 photo coupler input and 8 transistor output or 8 photo coupler input and 8 relay contact output					
Teach Pendant:	Smart-TP	5.7" Color LCD Touch Panel, Cable Length: 4m				
	Common	3 Position Enable SW, Emergency Stop Button				
Operating SW:	Emergency Stop, Mode select switch (teach/playback)					
Ambient Temperature:	0 bis ~40°					
Power Specification:	3-Phase AC200-230V ±10% Single Phase AC200-230V ±10%					

SAMSYS+

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Your distributor

NACHI

The Nachi MZ is a product of