components



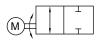
MXB1-FP2/MXB1D-FP2 Series

Port size: Rc3/8 to Rc2





JIS symbol



Common specifications

Descriptions	MXB1 (standard)/MXB1D (with relay)				
Working fluid	Water/air/oil (500 mm²/s or less)				
Working pressure MPa	0 to 1.0 (refer to working pressure in individual specifications.)				
Proof pressure (water pressure) MPa	2.0				
Fluid temperature °C	0 to 80 (no freezing)				
Ambient temperature °C	−10 to 50				
Ambient humidity %	95 or less				
Mounting orientation	From vertical direction with the actuator on the top to horizontal direction. (Refer to General Purpose Valves (catalog No. CB-03-1SA).)				
Pressurization direction	Arbitrary				
Degree of protection	IPX3 "Rainproof"				

Electrical specifications

		ation io	
Descriptions		MXB1-10 MXB1-15 MXB1-20 MXB1-25	MXB1-32 MXB1-40 MXB1-50
Rated voltage	*1	100 VAC (50/60 Hz), 200 VAC (50/6	0 Hz), 12 VDC, 24 VDC
Apparent	100 VAC	4.9/5.9 (50/60 Hz)	13/15 (50/60 Hz)
power VA	200 VAC		13/15 (50/60 Hz)
starfing	100 VAC	4.9/5.9 (50/60 Hz)	13/15 (50/60 Hz)
When	200 VAC	5.4/6.2 (50/60 Hz)	13/15 (50/60 Hz)
Average current value A	12 VDC	1.1	1.5
*2	24 VDC	0.7	1.0
Starting current A	12 VDC	1.8 or less	3 or less
*2	24 VDC	1.2 or less	2 or less
Power	AC	7	15
consumption W	12 VDC	13	18
	24 VDC	17	24
Descriptions		MXB1D-10 MXB1D-15 MXB1D-20 MXB1D-25	MXB1D-32 MXB1D-40 MXB1D-50
Rated voltage	*1	100 VAC (50/60 Hz), 200 V	/AC (50/60 Hz)
Apparent	100 VAC	6.0/6.8 (50/60 Hz)	14/16 (50/60 Hz)
power VA	200 VAC		14/16 (50/60 Hz)
starting	100 VAC	6.0/6.8 (50/60 Hz)	14/16 (50/60 Hz)
W	200 VAC	6.6/7.2 (50/60 Hz)	14/16 (50/60 Hz)
Power consumpt	tion W	8	16
			· · · · · · · · · · · · · · · · · · ·

Individual specifications

Descriptions		MXB1-10	MXB1-15	MXB1-20	MXB1-25	MXB1-32	MXB1-40	MXB1-50		
Descriptions		MXB1D-10	MXB1D-15	MXB1D-20	MXB1D-25	MXB1D-32	MXB1D-40	MXB1D-50		
Port size		Rc3/8	Rc1/2	Rc3/4	Rc1	Rc1 ¹ / ₄	Rc1 ¹ / ₂	Rc2		
Orifice size	mm	10	10	15	20	25	32	40		
Cv		10	10 6 16 29				50 98			
Working pressur	re MPa			0 to	0 to 0.5					
Response time	AC	10/8 (50/60 Hz)				13/11 (50/60 Hz)				
S	ec DC	8				10.5				
Frequency	AC		2 time/mi	ime/min. or less						
	*3 DC		1 time/min. or less 1 time/2 m							
Weight kg N	MXB1	1.2	1.2	1.4	1.5	2.6	3.1	3.8		
N	MXB1D	1.2	1.3	1.4	1.6	2.7	3.1	3.9		

^{*1:} Use the product within ±10% of the rated voltage.

^{*2:} Current values at the rated voltage

^{*3:} Be sure to observe the specified frequency of use.

^{*4:} Contact CKD about specifications other than above.

MXB1-FP2/MXB1D-FP2 Series

and 50. Manual override is provided as standard with other port size.

How to order

Electric actuator

How to order								
MXB1 - (32) - N (T	M - FP2 - 1					Mod	el No.	
(MXB1D)		Code		Content			MXB1D	
		A Po	ort size					
A Port size		10	Rc3/8			•	•	
Model No.		15	Rc1/2			•	•	
		20	Rc3/4			•	•	
		25	Rc1			•	•	
		32	Rc1 ¹ / ₄			•	•	
		40	Rc1 ¹ / ₂			•	•	
		50	Rc2			•		
	d. (1 1 1 1 1	B Bo	ody/seat materia	al				
	dy/seat material	N	Stainless steel body/	PTFE seating/oil-pro	hibited specifications	•	•	
	<u> </u>	© Other options						
	Other options		Content	Applications	Remarks			
		Blank	5-conductor cable 0.5 mm ² (with output lead wire)	_	_	•	•	
		т	3-conductor cable 0.75 mm ² (without signal output)	When output lead wire is not required	3-conductor cabtyre cable used	•	•	
		D Ma	anual override	·				
	Manual override *1	Blank	None			•		
	'	М	Manual override			•	•	
		■ Vo	ltage					
	Voltage	1	100 VAC (50/60 H	Hz)		•		
		2	200 VAC (50/60 Hz)			•	•	
		3	24 VDC			•		
		4	12 VDC			•		
			n the manual overrid			sizes are	32, 40	

[Example of model No.]

MXB1-32-NTM-FP2-1

Model No.: MXB1 (standard)

A Port size

B Body material : Stainless steel body/PTFE seating/oil-prohibited specifications

© Other options : 3-conductor cable (without output lead wire)

Manual override : Selected

Voltage : 100 VAC (50/60 Hz)

Pneumatic valves | FRL/Auxiliary components | Electronic components Vacuum components Main line components Fluid control valves Main line components Antibacterial/Bacteriaremoving filter Vacuum components

removing filter

components

Fluid control



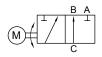
MXG1-FP2/MXG1D-FP2 Series

Port size: Rc1/2 to Rc2





JIS symbol



Common specifications

Descriptions	MXG1 (standard)/MXG1D (with relay)
Working fluid	Water/air/oil (500 mm²/s or less)
Working pressure MPa	0 to 1.0 (refer to working pressure in individual specifications.)
Proof pressure (water pressure) MPa	2.0
Fluid temperature °C	0 to 80 (no freezing)
Ambient temperature °C	−10 to 50
Ambient humidity %	95 or less
Mounting orientation	From vertical direction with the actuator on the top to horizontal direction.
Pressurization direction	Port C pressurization only
Degree of protection	IPX3 "Rainproof"

Flectrical specifications

Electrical s	sp	ecifica	ations				
Descriptions			MXG1-15 MXG1-20 MXG1-25	MXG1-32 MXG1-40 MXG1-50			
Rated voltage		*1	100 VAC (50/60 Hz), 200 VAC (50/60 Hz), 12 VDC, 24 VDC				
Apparent	ating	100 VAC 200 VAC	4.9/5.9 (50/60 Hz)	13/15 (50/60 Hz)			
power VA	Oper	200 VAC	5.4/6.2 (50/60 Hz)	13/15 (50/60 Hz)			
[starting	100 VAC	4.9/5.9 (50/60 Hz)	13/15 (50/60 Hz)			
		200 VAC	5.4/6.2 (50/60 Hz)	13/15 (50/60 Hz)			
Average current value	: A	12 VDC	1.1	1.5			
	*2	24 VDC	0.7	1.0			
Starting current	Α	12 VDC	1.8 or less	3 or less			
	*2	24 VDC	1.2 or less	2 or less			
Power		AC	7	15			
consumption \	W	12 VDC	13	18			
		24 VDC	17	24			
Descriptions			MXG1D-15 MXG1D-20 MXG1D-25	MXG1D-32 MXG1D-40 MXG1D-50			
Rated voltage		*1		, 200 VAC (50/60 Hz)			
Apparent	ating	100 VAC 200 VAC	6.0/6.8 (50/60 Hz)	14/16 (50/60 Hz)			
power VA	Oper	200 VAC	6.6/7.2 (50/60 Hz)	14/16 (50/60 Hz)			
	starting	100 VAC	6.0/6.8 (50/60 Hz)	14/16 (50/60 Hz)			
		200 VAC	6.6/7.2 (50/60 Hz)	14/16 (50/60 Hz)			
Power consump	Power consumption W		8	16			

Individual specifications

Descriptions		MXG1-15	MXG1-20	MXG1-25	MXG1-32	MXG1-40	MXG1-50			
Descriptions			MXG1D-15	MXG1D-20	MXG1D-25	MXG1D-32	MXG1D-40	MXG1D-50		
Port size			Rc1/2	Rc3/4	Rc1	Rc1 ¹ / ₄	Rc1 ¹ / ₂	Rc2		
Orifice size		mm	10	14	19	23	30 38			
Cv			3	6	11	16 28 47				
Working pressu	ire N	МРа			0 to 1.0	0 to 0.5				
Response time		AC	2	0/16 (50/60 Hz	z)	26/22 (50/60 Hz)				
sec DC				16		21				
Frequency		AC	1 1	time/min. or le	SS	1 time/2 min. or less				
	*3	DC	1 ti	me/2 min. or le	ess	1 time/5 min. or less				
Weight kg	MXG1		1.3	1.4	1.7	2.7	3.2	4.1		
	MXG1	D	1.3	1.5	1.7	2.7	3.3	4.2		

^{*1:} Use the product within ±10% of the rated voltage.

^{*2:} Current values at the rated voltage

^{*3:} Be sure to observe the specified frequency of use.

^{*4:} Contact CKD about specifications other than above.

MXG1-FP2/MXG1D-FP2 Series

How to order

Electric actuator

How to order										
MXG1)-(20)- N (K)- FP2 -(2								
		\top						el No.		
(MXG1D)			Code		Content		MXG1	MXG1D		
Down size	I	I I	A Po	rt size						
A Port size			15	Rc1/2			•	•		
Model No.			20	Rc3/4			•			
			25	Rc1			•	•		
			32	Rc1 ¹ / ₄			•	•		
			40	Rc1 ¹ / ₂			•			
			50	Rc2			•			
	<u> </u>	<u> </u>	ВВ	Body/seat material						
B B	ody/seat material		N	Stainless steel body	tainless steel body/PTFE seating/oil-prohibited specifications					
		1	© Other options							
	O ther options			Content	Applications	Remarks				
			Blank	5-conductor cable 0.5 mm ² (with output lead wire)	_	_	•	•		
			т	3-conductor cable 0.75 mm ² (without signal output)		3-conductor cabtyre cable used	•	•		
			к	Multi-fluid (90° rotation switching) (Response time 1/2)		Fluids may mix somewhat during switching	•	•		
			тк	3-conductor cable 0.75 mm ² Multi-fluid	_		•			
			D Vo	Itage						
		● Voltage	1	100 VAC (50/60 I	Hz)		•	•		
			2	200 VAC (50/60 Hz)				•		
[Evennle of model Ne	1		3	24 VDC •						
[Example of model No.]			4	12 VDC •						
MXG1-20-NK-FP2-2										

A Port size : Rc3/4

Model: MXG1

B Body/seat material: Stainless steel body/PTFE seating/oil-prohibited specifications

6 Other options : Multi-fluid (90° rotation switching, response time 1/2)

D Voltage : 200 VAC (50/60 Hz)

Pneumatic valves | FRL/Auxiliary components | Electronic components Vacuum components Main line components Fluid control valves Main line components Antibacterial/Bacteriaremoving filter Vacuum components