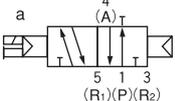
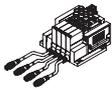
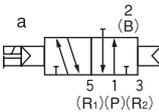
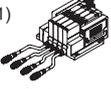
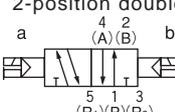
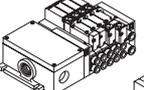
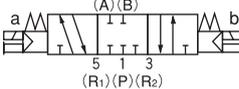
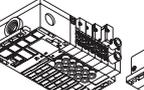
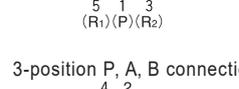


Series variation

W4G2-FP1 Series

FP 1	Electric actuator	Pneumatic cylinders	Assistive device	Pneumatic valves	F.R.L./Auxiliary Components Electronic Component	Vacuum components	Main line components	Fluid control valves	Main line components	Anti-bacterial/bacteria-removing filter	Vacuum components	Fluid control valves	FP 2	Vacuum components	Fluid control valves	Series variation/Appearance		Model No.		Position Number of solenoid valves JIS symbol		Valve performance		Voltage			Degree of protection	
																Single unit	Base piping	W4GB2*0		W4GB2	● 3-port valve 2-position single NC		2.1 to 2.5	ø20 to ø80	100 VAC	24 VDC		12 VDC
																									1	3		4
Individual wiring manifold	Body piping	MW 3GA2*0		MW3GA2 MW4GA2 (NW3GA2) (NW4GA2)	Individual wiring (-R1)	● 2-position single NO		1.7 to 2.3	ø20 to ø80	●	●	●	IP65 or equiv.															
		I/OCoreConnector (R1)		MW4GB2 (NW4GB2)						●	●	●		IP65 or equiv.														
		MW4GZ2*0		MW4GZ2 (NW4GZ2)						●	●	●			IP65 or equiv.													
Reduced wiring manifolds	Body piping	MW 3GA2*0		MW3GA2 MW4GA2 (NW3GA2) (NW4GA2)	Common terminal block (-T10)	2-position double		1.7 to 2.3	ø20 to ø80	●	●	●	IP65															
		Common terminal block (T10)								Serial transmission (-T7, T8*)	●	●		●	IP65													
	Base side piping	MW4GB2*0		MW4GB2 (NW4GB2)	Common terminal block (-T10)	3-position all ports closed		1.7 to 2.3	ø20 to ø80	●	●	●	IP65															
		Common terminal block (T10)								Serial transmission (-T7, T8*)	●	●		●	IP65													
	Base bottom piping	MW4GZ2*0		MW4GZ2 (NW4GZ2)	Common terminal block (-T10)	3-position A, B, R connection		1.7 to 2.3	ø20 to ø80	●	●	●	IP65															
		Common terminal block (T10)								Serial transmission (-T7, T8*)	●	●		●	IP65													

\*1: Effective cross-sectional area S and sonic conductance C are converted as  $S \approx 5.0 \times C$ .

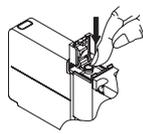
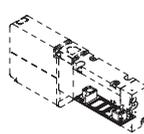
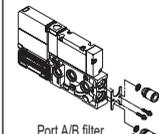
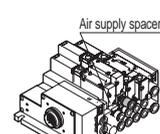
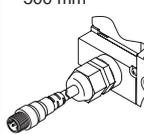
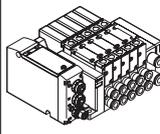
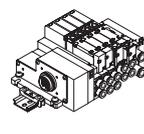
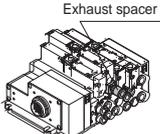
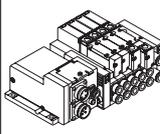
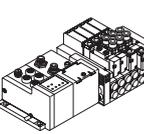
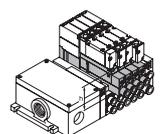
	Switching position							A/B piping connection port				Electrical connections				Page
	2-position		3-position			Mix	Push-in fitting		Female thread		Terminal block	IO connector	Common terminal block	Serial transmission		
	Normally Closed	Normally Open	Single	Double	All ports closed		ABR Connection	PAB Connection	ø6	ø8					Rc 1/8	
									C6	C8	O6	O8	Blank	R1	T10	
			●	●	●	●					●	●	●			193
	●	●	●	●	●	●	●	●	●	●		●				195
			●	●	●	●	●	●	●			●				197
			●	●	●	●	●	●	●			●				197
	●	●	●	●	●	●	●	●	●	●			●			199
	●	●	●	●	●	●	●	●	●	●				●		
			●	●	●	●	●	●	●				●			205
			●	●	●	●	●	●	●					●		
			●	●	●	●	●	●	●				●			205
			●	●	●	●	●	●	●					●		

Electric actuator	Pneumatic cylinders	Assistive device	Pneumatic valves	FR L Auxiliary Components Electronic Component	Vacuum components	Main line components	Fluid control valves	Main line components	Anti-bacterial/ bacteria-removing filter	Vacuum components	Fluid control valves
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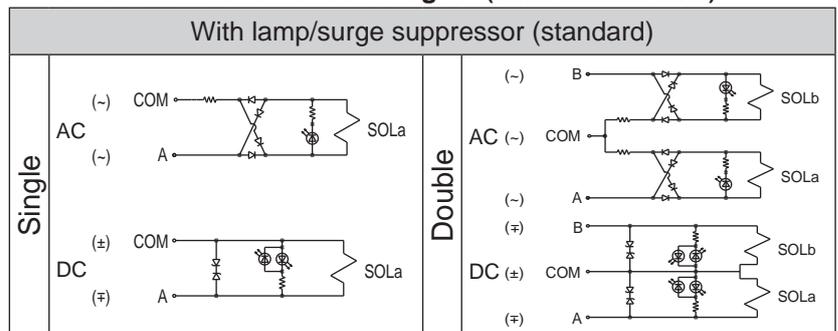
FP1

FP2

# W4G2-FP1 Series

FP1	Electric actuator	Electrical connections			Manual override		Other options							
	Pneumatic cylinders	Single unit	Individual wiring manifold	Reduced wiring manifolds	Blank	Non-locking Locking common (Standard equipment)	M	Non-locking Manual override	H	With check valve	F	Port A/B filter integrated	Z1	Air supply spacer
	Assistive device	Terminal block	R1 I/O connector (M12)	T10 Common terminal block	Blank		M		H		F		Z1	
	Pneumatic valves	R1 I/O connector		T7 Serial transmission			M	(1) Push to turn ON and release to turn OFF	D	DIN rail Mount			Z3	Exhaust spacer
	F.R.L./Auxiliary Components Electronic Component							(1) For non-locking, push to turn ON and release to turn OFF						
	Vacuum components			T8 Serial transmission				(2) For locking, PUSH and turn 90° clockwise to hold the ON state. Turn counterclockwise to unlock OFF	Y#	I/O block			Z8	Individual air supply compatible spacer with in-stop valve spacer
	Main line components													
	Fluid control valves													
	Main line components													
	Fluid control valves													

## Electrical connection circuit diagram (inside solenoid valve)



Zener diode is used as a surge suppressor.