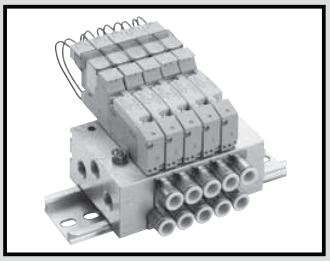


Individual wiring manifold
Base piping
Direct mount/DIN rail mount

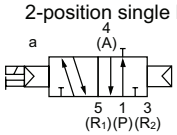
M3GB1/2 / M4GB1/2/3-(D) Series

● Cylinder bore size: φ20 to φ100

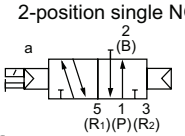
JIS symbol

● 3-port valve

2-position single NC

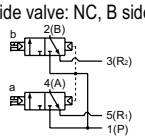


2-position single NO

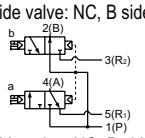


● Two 3-port valves integrated

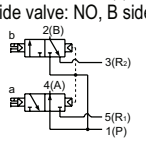
(A side valve: NC, B side valve: NC)



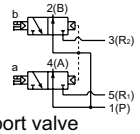
(A side valve: NC, B side valve: NO)



(A side valve: NO, B side valve: NC)

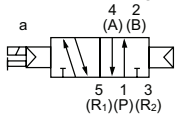


(A side valve: NO, B side valve: NO)

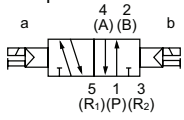


● 5-port valve

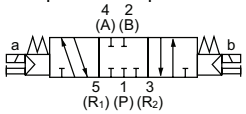
2-position single



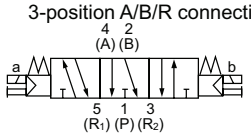
2-position double



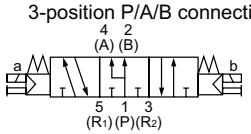
3-position All ports closed



3-position A/B/R connection



3-position P/A/B connection



Manifold common specifications

Descriptions		Content
Manifold		Integrated base
Mounting method		Direct mount/DIN rail mount
Supply and exhaust method		Common supply/common exhaust (With internal exhaust check valve)
Pilot exhaust method	Internal pilot	Main valve/pilot valve common exhaust (Pilot exhaust check valve built-in)
	External pilot	Main valve/pilot valve individual exhaust
Piping direction		Lateral direction from base
Valve and operation		Pilot operated soft spool valve
Working fluid		Compressed air
Max. working pressure MPa		0.7 (≈100 psi, 7 bar)
Min. working pressure MPa		0.2 (≈29 psi, 2 bar) (*3)
Proof pressure MPa		1.05 (≈150 psi, 10.5 bar)
Ambient temperature °C		-5 (23°F) to 55 (131°F) (no freezing)
Fluid temperature °C		5 (41°F) to 55 (131°F)
Manual override		Non-locking/locking common type (standard)
Lubrication (*1)		Not required
Degree of protection (*2)		Dust-proof
Vibration resistance m/s^2		50 or less
Shock resistance m/s^2		300 or less
Atmosphere		Cannot be used in corrosive gas environments

*1: Use turbine oil Class 1 ISO VG32 for lubrication. Excessive or intermittent lubrication results in unstable operation.
*2: Avoid dripping water or oil, etc., during use. IP65 (jet-proof) applies for DIN terminal box specifications. However, the specified outer diameter of the applicable cord and tightening torque must be used for fixing in place.
*3: The working pressure range is 0 to 0.7 MPa when the external pilot (option code: K) is selected. Set the external pilot pressure between 0.2 and 0.7 MPa.

Electrical specifications

Descriptions		Content					
Rated voltage V		DC24	DC12	DC5	DC3	AC100	AC200
Voltage fluctuation range		±10%					
Holding current A (*4)	Standard	0.015 (0.017)	0.030 (0.034)	0.072 (0.082)	0.120 (0.136)	0.009 (0.009)	0.006 (0.006)
	Low exoergic/energy circuit	0.005	0.010	-		-	
Power consumption W (*4)	Standard	0.35 (0.40)		0.35 (0.40)		-	
	Low exoergic/energy circuit	0.1		-		-	
Apparent power VA (*4) (*5)	Standard	-		-		0.93 (0.98)	1.40
Thermal class		B					
Surge suppressor		Option					
Indicator		Lamp (option)					

*4: Values in ( ) apply when lamp is included. In addition, the type with low exoergic/energy-saving circuit is only available with lamp.
*5: 200 VAC is the value of DIN terminal box (with lamp).

Individual specifications

Descriptions			M3GB1/M4GB1		M3GB2/M4GB2		M4GB3	
			Direct mount	DIN rail mount	Direct mount	DIN rail mount	Direct mount	DIN rail mount
Max. station No.		Standard (Internal pilot)	20 stations	16 stations	20 stations	16 stations	20 stations	16 stations
		External pilot	12 stations	12 stations				
Port size	Rc thread, M5	A/B Port	Barbed fitting φ1.8 Push-in fitting φ1.8, φ4, φ6 φ8 (*6) M5		Push-in fitting φ4, φ6, φ8 φ10 (*6) Rc1/8		Push-in fitting φ6, φ8, φ10 Rc1/4	
		P/R1/R2 port	Rc1/8		Rc1/4		Rc3/8	
	NPT thread, M5	A/B Port	Push-in fitting φ1/8", φ5/32" M5		Push-in fitting φ1/4", φ5/16" 1/8NPT		Push-in fitting φ5/16", φ3/8" 1/4NPT (*6)	
		P/R1/R2 port	1/8NPT		1/4NPT		3/8NPT (*6)	
	G thread, M5	A/B Port	Push-in fitting φ4, φ6 M5		Push-in fitting φ4, φ6, φ8 G1/8		-	
		P/R1/R2 port	G1/8		G1/4		-	
Manifold base weight calculation formula (n: station No.) g		Standard	35n+61	36n+115	71n+106	73n+134	113n+170	115n+119
		External pilot	35n+106	36n+114	76n+135	78n+166	118n+194	120n+223

Refer to “Cautions for Mounting the DIN Rail” (page 754), and select the manifold.
For 10 or over manifold station No. (5 stations for 4G3), use ports on both side for air supply and exhaust.
The manifold base weight is the value for screw specifications.
*6: Available as custom order.

Flow characteristics

Model No.	Solenoid position		P→A/B		A/B→R1/R2	
			C[dm³/(s·bar)]	b	C[dm³/(s·bar)]	b
M3GB1 M4GB1	Two 3-port valves integrated		0.86	0.35	1.1(0.67)	0.22(0.23)
	2-position		1.1	0.22	1.2(0.70)	0.20(0.10)
	3-position	All ports closed	0.98	0.22	1.1 -	0.24 -
		ABR connection	0.97	0.35	1.3(0.68)	0.22(0.24)
		PAB connection	1.1	0.38	1.1 -	0.21 -
M3GB2 M4GB2	Two 3-port valves integrated		1.7	0.44	2.1(1.6)	0.32(0.30)
	2-position		2.4	0.34	2.7(1.7)	0.24(0.31)
	3-position	All ports closed	2.2	0.34	2.4 -	0.29 -
		ABR connection	2.2	0.34	2.8(1.8)	0.24(0.27)
		PAB connection	2.4	0.29	2.4 -	0.29 -
M4GB3	2-position		3.5	0.34	3.8(2.6)	0.11(0.27)
	3-position	All ports closed	3.1	0.33	3.3 -	0.22 -
		ABR connection	3.0	0.30	3.8(2.7)	0.11(0.22)
		PAB connection	3.6	0.36	3.3 -	0.28 -

*1: Effective cross-sectional area S and sonic conductance C are converted as S ≈ 5.0 x C.
*2: Values in ( ) are with the exhaust check valve.

Ozone-proof specifications / coolant proof specifications

Can be selected with “How to order” Item Ⓔ option “A” on page 115.

Clean-room specifications

- Anti-dust generation structure for use in cleanrooms

** - Voltage - **P7***

Specifications for rechargeable battery

(Catalog No. CC-1226A)

- For use in the rechargeable battery manufacturing process, materials used for air path and sliding section are limited

** - Voltage - **P4**

CE marking specifications

** - Voltage - **ST**

How to order

Manifold model No.

M 4GB1 1 0R - C6 - E2 H D - ○ - 3

3-port manifold model No.

M 3GB1 66 0R - C6 - E2 H D - ○ - 3

● Single valve for mounting base

4GB1 1 9R - 00 - E2 H — 3

● 3-port discrete valve for mounting base

3GB1 66 9R - 00 - E2 H — 3

Ⓑ Solenoid position

Ⓐ Model No.

Ⓒ Port size
*3
*4

Ⓓ Electrical connections

Ⓔ Option

Ⓕ Mount

Ⓖ Station No.

Ⓗ Voltage

* Be sure to fill in the "Manifold specifications sheet" (pages 206 to 220).

Code	Content		Ⓐ Model No. 3GB1	3GB2	4GB1	4GB2	4GB3
Ⓑ Solenoid position							
1	2-position single				●	●	●
2	2-position double				●	●	●
3	3-position all ports closed				●	●	●
4	3-position ABR connection				●	●	●
5	3-position PAB connection				●	●	●
66	Two 3-port valves integrated *1/*2	A valve side: Normally closed B valve side: Normally closed	●	●			
67		A valve side: Normally closed B valve side: Normally open	●	●			
76		A valve side: Normally open B valve side: Normally closed	●	●			
77		A valve side: Normally open B valve side: Normally open	●	●			
8	Mix manifold (when there are multiple solenoid positions)		●	●	●	●	●

Ⓒ Port size							
Port	4(A)/2(B) port		P/R1/R2 port (2) = Rc1/8 (3) = Rc1/4 (4) =Rc3/8				
CF	φ1.8 barbed fitting (compatible tube UP-9102-**)		(2)		(2)		
C18	φ1.8 push-in fitting (compatible tube UP-9402-**)		(2)		(2)		
C4	φ4 push-in fitting		(2)	(3)	(2)	(3)	
C6	φ6 push-in fitting		(2)	(3)	(2)	(3)	(4)
C8	φ8 push-in fitting	*5, *6	(2)	(3)	(2)	(3)	(4)
C10	φ10 push-in fitting	*5, *6		(3)		(3)	(4)
CL18	φ1.8 radial push-in fitting upward (compatible tube UP-9402-**)				(2)		
CL4	Radial φ4 push-in fitting (upward)				(2)		
CL6	Radial φ6 push-in fitting (upward)				(2)	(3)	
CL8	Radial φ8 push-in fitting (upward)					(3)	(4)
CL10	Radial φ10 push-in fitting (upward)						(4)
CD18	φ1.8 radial push-in fitting downward (compatible tube UP-9402-**)		(2)		(2)		
CD4	Radial φ4 push-in fitting (downward)		(2)		(2)		
CD6	Radial φ6 push-in fitting (downward)		(2)	(3)	(2)	(3)	
CD8	Radial φ8 push-in fitting (downward)			(3)		(3)	(4)
CD10	Radial φ10 push-in fitting (downward)						(4)
CX	Push-in fitting mix		(2)	(3)	(2)	(3)	(4)
M5	M5		(2)		(2)		
06	Rc1/8			(3)		(3)	
08	Rc1/4						(4)
Port	4(A)/2(B) port		P/R1/R2 port (5) = 1/8NPT, (6) = 1/4NPT, (7) = 3/8NPT				
C3N	φ1/8" push-in fitting		(5)		(5)		
C4N	φ5/32" push-in fitting		(5)		(5)		
C6N	φ1/4" push-in fitting			(6)		(6)	
C8N	φ5/16" push-in fitting			(6)		(6)	(7)
C10N	φ3/8" push-in fitting						(7)
CL3N	φ1/8" radial push-in fitting (upward)	*6			(5)		
CL4N	φ5/32" radial push-in fitting (upward)	*6			(5)		
CL6N	φ1/4" radial push-in fitting (upward)	*6				(6)	
CL8N	φ5/16" radial push-in fitting (upward)	*6				(6)	
CXN	Push-in fitting mix		(5)	(6)	(5)	(6)	(7)
M5N	M5		(5)		(5)		
06N	1/8NPT			(6)		(6)	
08N	1/4NPT	*6					(7)
Port	4(A)/2(B) port		P/R1/R2 port (8) = G1/8, (9) = G1/4				
C4G	φ4 push-in fitting		(8)	(9)	(8)	(9)	
C6G	φ6 push-in fitting		(8)	(9)	(8)	(9)	
C8G	φ8 push-in fitting			(9)		(9)	
CL4G	Radial φ4 push-in fitting (upward)	*6			(8)		
CL6G	Radial φ6 push-in fitting (upward)	*6			(8)	(9)	
CL8G	Radial φ8 push-in fitting (upward)	*6				(9)	
CXG	Push-in fitting mix		(8)	(9)	(8)	(9)	
M5G	M5		(8)		(8)		
06G	G1/8			(9)		(9)	
00	Discrete valve for mounting base		●	●	●	●	●

⚠ Precautions for model No. selection

*1: Select M4GB*80R when mixing with 3, 5-port valves.
Further, select M3GB*80R when mixing with masking plate.
*2: Not compatible with combination with external pilot (K).
Dimensions are the same as those of the respective 2-position double solenoid.
3: CL radial push-in fitting is compatible only with the single solenoid manifold.
Long elbow is for A port and short elbow for B port.
*4: A and B ports are the same size for radial push-in fitting (upward) (downward).
*5: 4G1 C8 and 4G2 C10 do not support push-in fitting mixing.
*6: Custom order.

		Ⓐ Model No.				
		3GB1	3GB2	4GB1	4GB2	4GB3
Ⓓ Electrical connections						
Blank	Grommet lead wire (300 mm) *17	●	●	●	●	●
B	DIN terminal box (Pg7) with surge suppressor/lamp *18		●		●	●
BN	DIN terminal box (Pg7) (without terminal box) with surge suppressor *18		●		●	●
E type connector (upward/lateral common)						
E0	Lead wire (300 mm) *19	●	●	●	●	●
E00	Lead wire (500 mm) *19	●	●	●	●	●
E01	Lead wire (1000 mm) *19	●	●	●	●	●
E02	Lead wire (2000 mm) *19	●	●	●	●	●
E03	Lead wire (3000 mm) *19	●	●	●	●	●
E0N	Without lead wire (without socket) *19	●	●	●	●	●
E1	Without lead wire (socket/terminal attached) *19	●	●	●	●	●
E2	Lead wire (300 mm) with surge suppressor/indicator lamp	●	●	●	●	●
E20	Lead wire (500 mm) with surge suppressor/indicator lamp	●	●	●	●	●
E21	Lead wire (1000 mm) with surge suppressor/indicator lamp	●	●	●	●	●
E22	Lead wire (2000 mm) with surge suppressor/indicator lamp	●	●	●	●	●
E23	Lead wire (3000 mm) with surge suppressor/indicator lamp	●	●	●	●	●
E2N	Without lead wire (without socket) with surge suppressor/indicator lamp	●	●	●	●	●
E3	Without lead wire (socket/terminal attached) with surge suppressor/indicator lamp	●	●	●	●	●
EJ type connector (socket with cover, upward/lateral common)						
E01J	Lead wire (1000 mm) *19	●	●	●	●	●
E02J	Lead wire (2000 mm) *19	●	●	●	●	●
E03J	Lead wire (3000 mm) *19	●	●	●	●	●
E21J	Lead wire (1000 mm) with surge suppressor/indicator lamp	●	●	●	●	●
E22J	Lead wire (2000 mm) with surge suppressor/indicator lamp	●	●	●	●	●
E23J	Lead wire (3000 mm) with surge suppressor/indicator lamp	●	●	●	●	●
Ⓔ Option						
Blank	Non-locking/locking common manual override	●	●	●	●	●
M	Non-locking manual override	●	●	●	●	●
H	With exhaust check valve *7	●	●	●	●	●
K	External pilot *8	●	●	●	●	●
A	Ozone/coolant proof	●	●	●	●	●
S	Surgeless *9	●	●	●	●	●
E	Low exoergic/energy saving circuit *9, *10	●	●	●	●	●
F	A/B port filter built in *11	●	●	●	●	●
Z1	Air supply spacer *12	●	●	●	●	●
Z2	In-stop valve spacer *12, *13	●	●	●	●	●
Z3	Exhaust spacer *12	●	●	●	●	●
Z6	Spacer pilot check valve *12, *14				●	
Ⓕ Mount						
Blank	Direct mount *15	●	●	●	●	●
D	DIN rail mount	●	●	●	●	●
Ⓖ Station No.						
2	2 stations	●	●	●	●	●
to	to					
20	Refer to page 112 for the max. station number per model.					
Ⓗ Voltage						
1	100 VAC (rectifier integrated)	●	●	●	●	●
2	200 VAC (rectifier integrated) *16		●		●	●
3	24 VDC	●	●	●	●	●
4	12 VDC	●	●	●	●	●
7	3 VDC	○	○	○	○	○
8	5 VDC	○	○	○	○	○

is not available.

○ indicates a custom order.

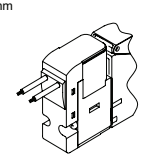
*7 : 3-position all ports closed and PAB connection are not provided with the exhaust check valve specifications (H).
Refer to page 751 for details on the exhaust check valve.
*8 : Contact CKD when using a vacuum with the external pilot (K).
9 : E2 type and E2*J type connectors support 12/24 VDC only.
In addition, surgeless "S" and low exoergic/energy-saving circuit "E" cannot be selected together.
*10: Surgeless specifications.
*11 : A filter is built into the P-port as standard.
*12: Specify the spacer mounting position/quantity in manifold specifications sheet.
Stacking of spacers is not possible.
Combination with the masking plate is not supported.
Refer to pages 186 to 190 for details.
*13: Not compatible with combination with external pilot (K).
*14: Combination with radial push-in fittings (upward) is not supported.
*15: The direct mount of M4GB1 cannot be changed to the DIN rail mount after purchasing.
*16: DIN terminal box only is supported.
*17: The grommet lead wire specifications are compatible with DC voltage only.
*18: AC voltages and 12/24 VDC are supported. In addition, a lamp comes with the terminal box.
*19: AC voltage is with a rectifier circuit.

Electrical connections

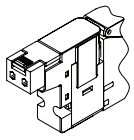
Discrete valve/individual wiring manifold

Blank Grommet lead wire

● **Lead wire length**
300 mm

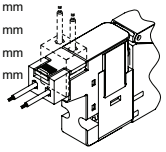


E1 E3 E type connector with socket/terminal

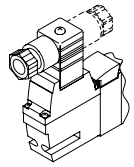


E0 E2 E type connector

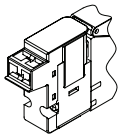
● **Lead wire length**
300 mm
500 mm
1000 mm
2000 mm
3000 mm



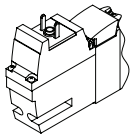
B DIN terminal box



E0N E2N E type connector without socket

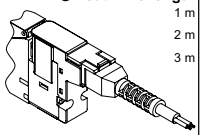


BN DIN terminal box (without terminal box)

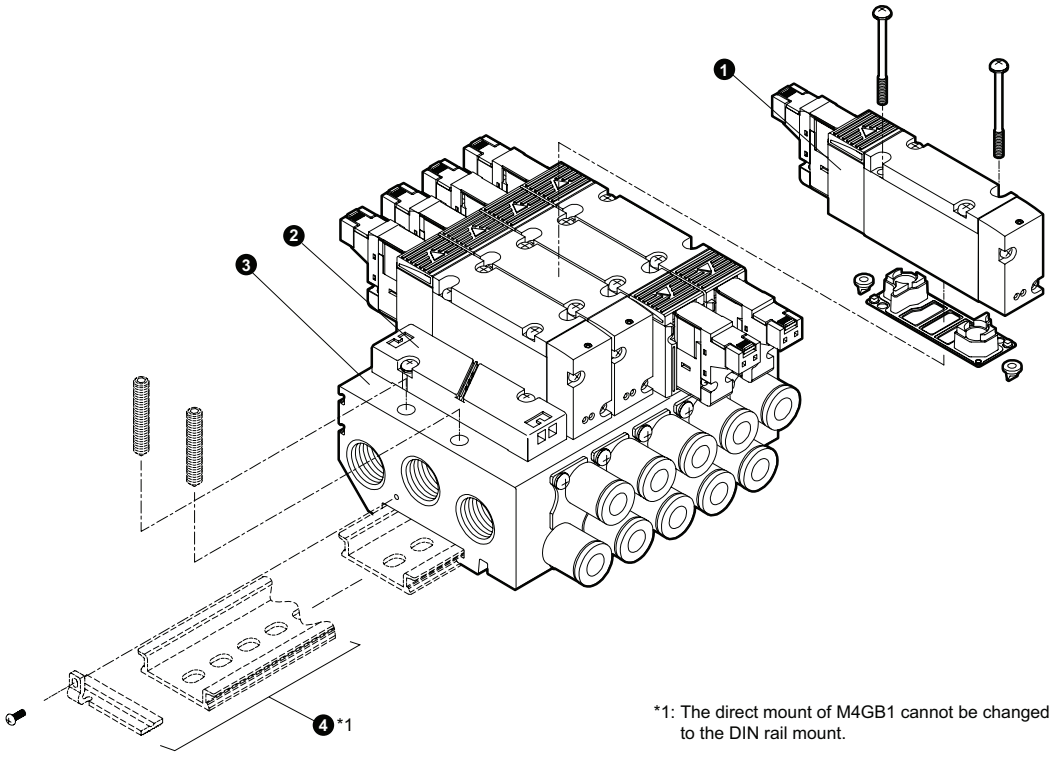


E0*J E2*J EJ type connector

● **Lead wire length**
1 m
2 m
3 m



Manifold components explanation and parts list



*1: The direct mount of M4GB1 cannot be changed to the DIN rail mount.

Main parts list

No.	Component name		Model No.	Content	Remarks
1	Discrete valve for mounting base		4GB □□9R -00- Electrical connections Option - Voltage Solenoid position Series flow rate size	Single valve Gasket Mounting screws 2 PR check valve 2	Details on page 114
2	Masking plate	3G1/4G1	4G1R-MP	Masking plate Gasket Mounting screws 2	* 3G3/4G3 have two PR check valves.
		3G2/4G2	4G2R-MP		
		3G3/4G3	4G3R-MP		
3	Manifold base assembly		M4GB □R- Port size - Option D - Station No. Series flow rate size Mount	Manifold base	Only 4G1 mount can be selected. Moreover, even if the “D” mounting is selected, the DIN rail kit will be handled separately.
4	DIN rail kit				Details on page 197

Parts list

No.	Part name	Model No.
-	Coil assembly	4GR- Electrical connections - □ - COIL - Voltage Blank: Standard A: Ozone/coolant proof S: Surgeless E: Low exergic/energy saving circuit Select from Ⓓ Electrical connections on page 115
-	E type connector socket assembly	4GR - SOCKET - ASSY - electrical connections - voltage
-	EJ type connector socket assembly	4GR - SOCKET - ASSY - electrical connections

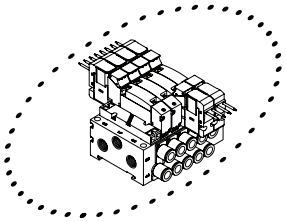
No.	Part name			Model No.
-	Cartridge push-in fitting and related parts	4G1	φ1.8 barbed	4G1R-JOINT-CF
			φ1.8 axial	4G1R-JOINT-C18
			φ4 straight	4G1R-JOINT-C4
			φ6 straight	4G1R-JOINT-C6
			φ8 straight	4G1R-JOINT-C8
			φ1.8 elbow	4G1R-JOINT-CL18,CLL18
			φ4 elbow	4G1R-JOINT-CL4,CLL4
			φ6 elbow	4G1R-JOINT-CL6,CLL6
			φ1/8” straight	4G1R-JOINT-C3N
			φ5/32” straight	4G1R-JOINT-C4N
			φ1/8” elbow *1	4G1R-JOINT-CL3N,CLL3N
			φ5/32” elbow *1	4G1R-JOINT-CL4N,CLL4N
			Plug cartridge	4G1R-JOINT-CPG
		4G2	φ4 straight	4G2R-JOINT-C4
			φ6 straight	4G2R-JOINT-C6
			φ8 straight	4G2R-JOINT-C8
			φ10 straight *2	4G2R-JOINT-C10
			φ6 elbow	4G2R-JOINT-CL6,CLL6
			φ8 elbow	4G2R-JOINT-CL8,CLL8
			φ1/4” straight	4G2R-JOINT-C6N
			φ5/16” straight	4G2R-JOINT-C8N
			φ1/4” elbow *1	4G2R-JOINT-CL6N,CLL6N
			φ5/16” elbow *1	4G2R-JOINT-CL8N,CLL8N
			Plug cartridge	4G2R-JOINT-CPG
		4G3	φ6 straight	4G3R-JOINT-C6
			φ8 straight	4G3R-JOINT-C8
			φ10 straight	4G3R-JOINT-C10
			φ8 elbow	4G3R-JOINT-CL8,CLL8
			φ10 elbow	4G3R-JOINT-CL10,CLL10
			φ5/16” straight	4G3R-JOINT-C8N
			φ3/8” straight	4G3R-JOINT-C10N

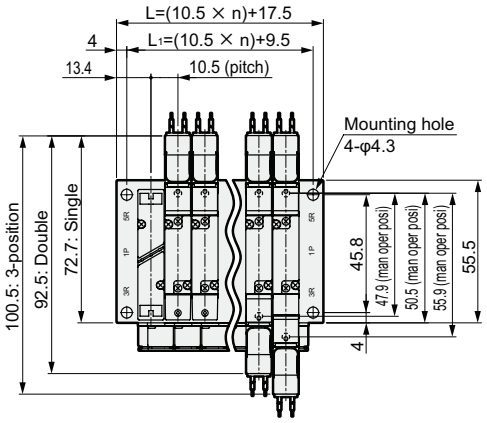
*1: Custom order.
*2: Common product with the 4G3 φ10 straight.

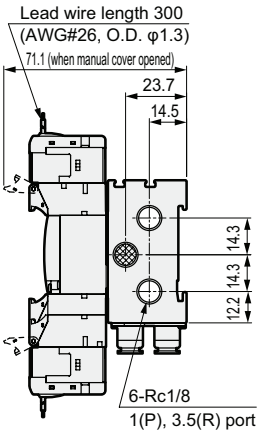
Dimensions CAD

M4GB1

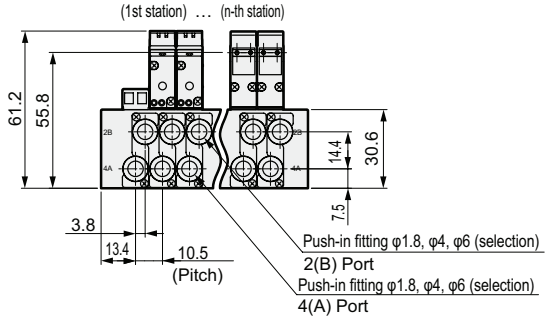
● Direct mount installation
Grommet lead wire (blank)



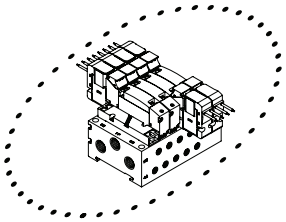


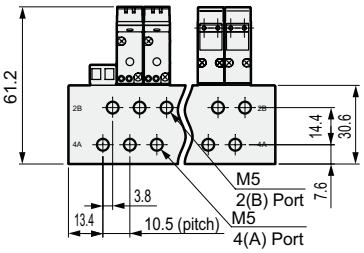


*1: Dedicated for direct mounting.
This cannot be changed to DIN rail specifications.
*2: The two 3-port valve integrated has the same dimensions as the double.

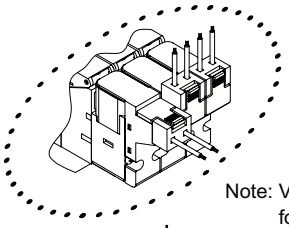


● M5 female thread (M5)

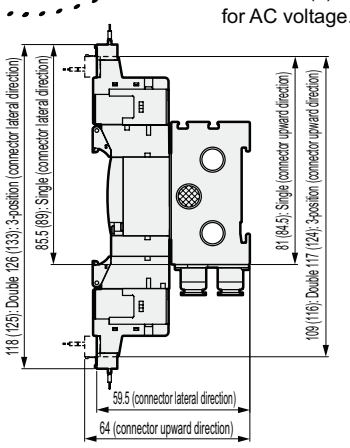




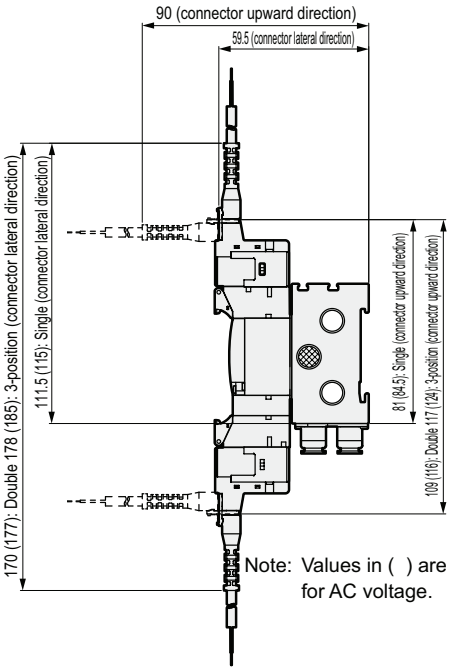
● E type connector (E)



Note: Values in ( ) are for AC voltage.



● EJ type connector (E**J)



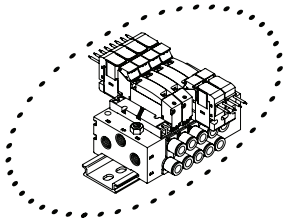
Note: Values in ( ) are for AC voltage.

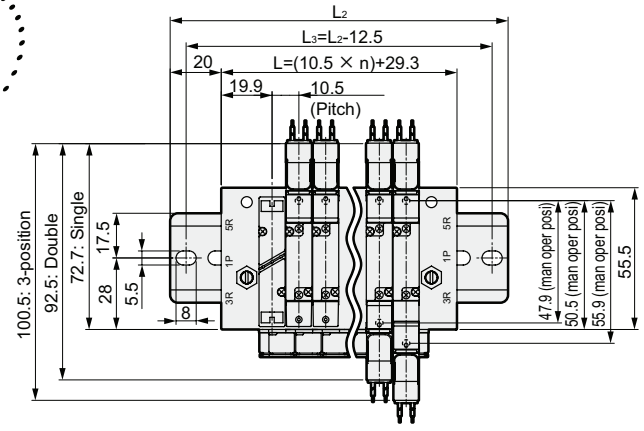
Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	38.5	49.0	59.5	70.0	80.5	91.0	101.5	112.0	122.5	133.0	143.5	154.0	164.5	175.0	185.5	196.0	206.5	217.0	227.5
L_1	30.5	41.0	51.5	62.0	72.5	83.0	93.5	104.0	114.5	125.0	135.5	146.0	156.5	167.0	177.5	188.0	198.5	209.0	219.5

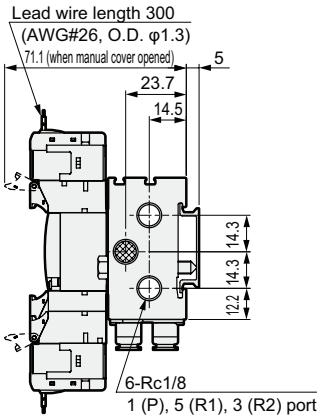
Dimensions CAD

M4GB1

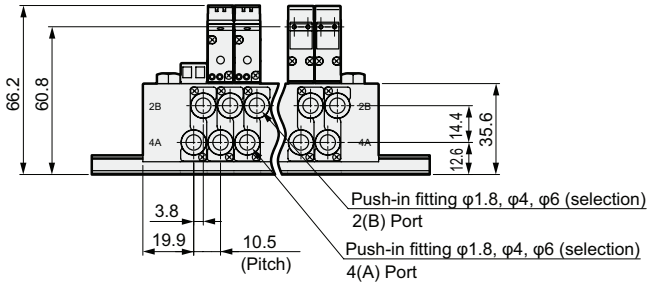
● DIN rail installation (D)
Grommet lead wire (blank)



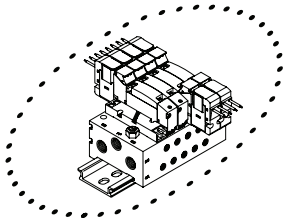


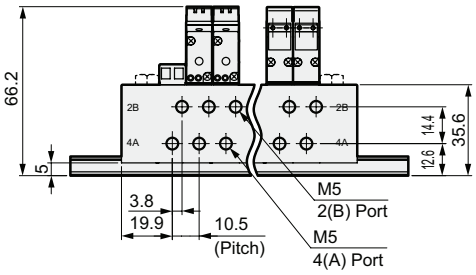


*1: This can be changed to direct mount specifications.
*2: The two 3-port valve integrated has the same dimensions as the double.

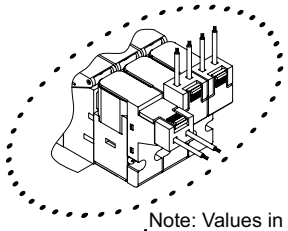


● DIN rail installation (D)
M5 female thread (M5)

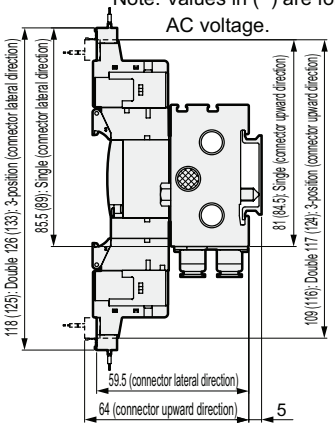




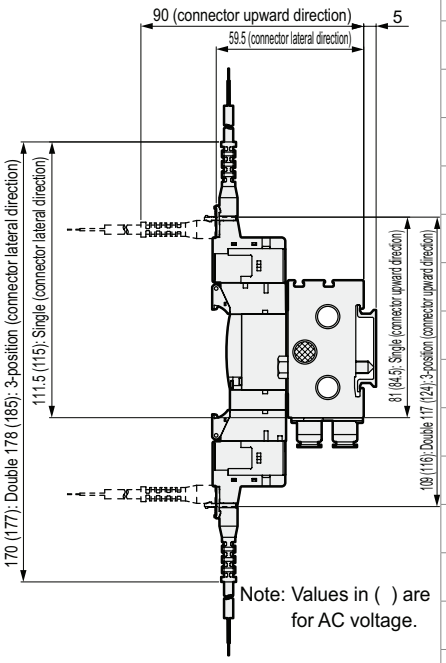
● DIN rail installation (D)
E type connector (E)



Note: Values in ( ) are for AC voltage.



● EJ type connector (E**J)



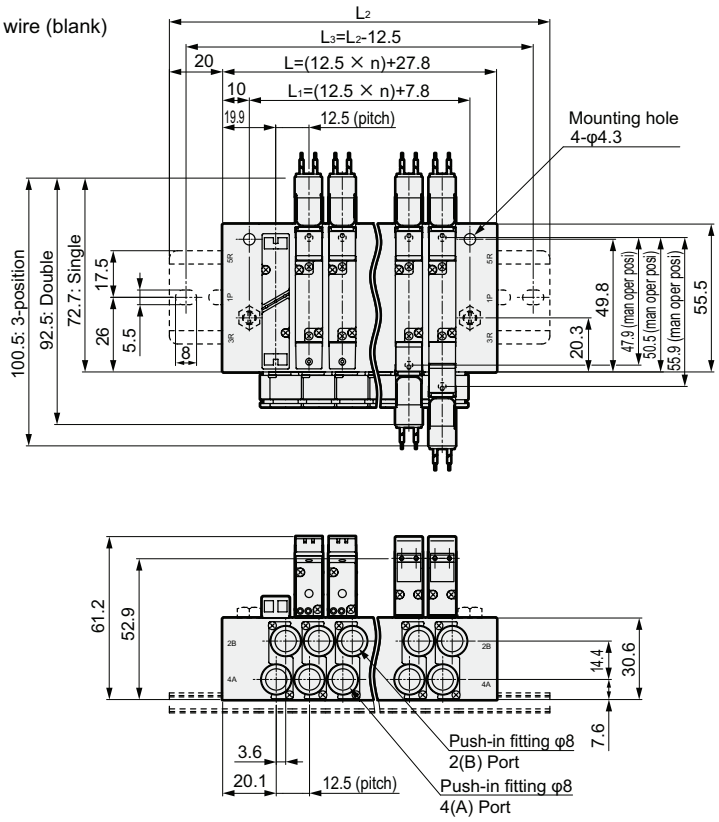
Note: Values in ( ) are for AC voltage.

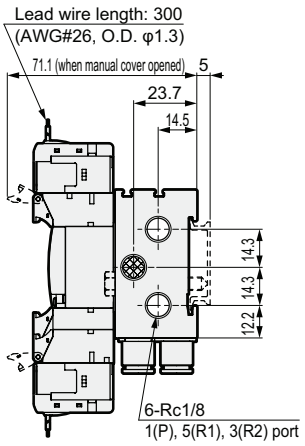
Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	50.3	60.8	71.3	81.8	92.3	102.8	113.3	123.8	134.3	144.8	155.3	165.8	176.3	186.8	197.3
L_2	100.0	112.5	112.5	125.0	137.5	150.0	162.5	175.0	175.0	187.5	200.0	212.5	225.0	237.5	237.5
L_3	87.5	100.0	100.0	112.5	125.0	137.5	150.0	162.5	162.5	175.0	187.5	200.0	212.5	225.0	225.0

Dimensions CAD

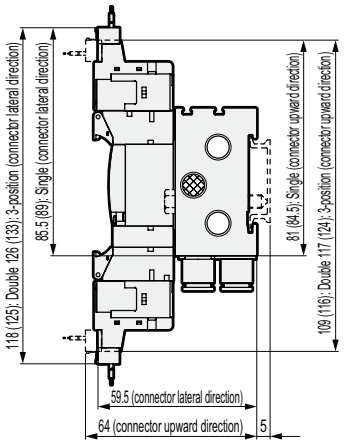
M4GB1-C8

● Grommet lead wire (blank)

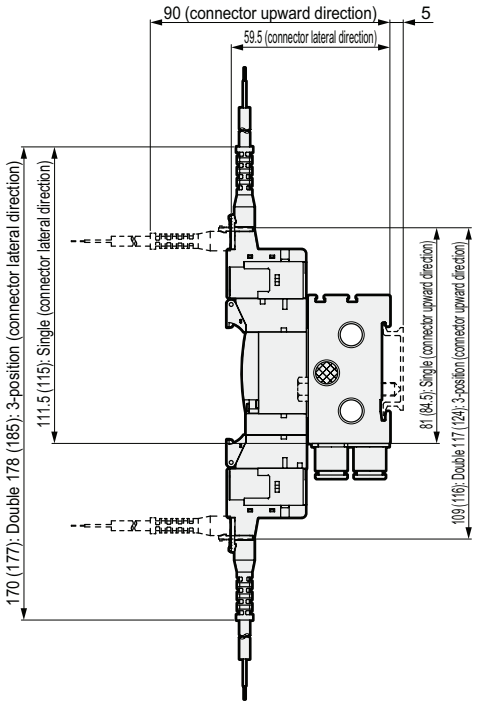




● E type connector (E)



● EJ type connector (E**J)

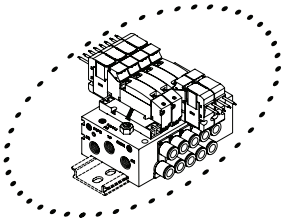


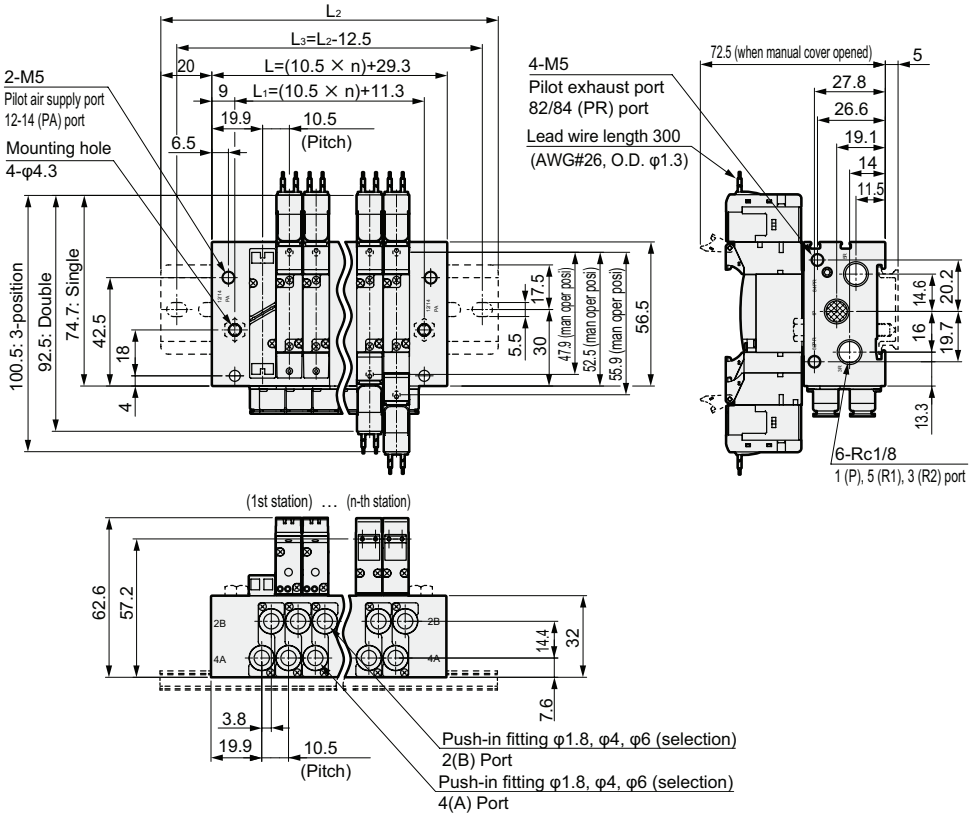
Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	52.8	65.3	77.8	90.3	102.8	115.3	127.8	140.3	152.8	165.3	177.8	190.3	202.8	215.3	227.8	240.3	252.8	265.3	277.8
L_1	32.8	45.3	57.8	70.3	82.8	95.3	107.8	120.3	132.8	145.3	157.8	170.3	182.8	195.3	207.8	220.3	232.8	245.3	257.8
L_2	100.0	112.5	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0				
L_3	87.5	100.0	112.5	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5				

Dimensions CAD

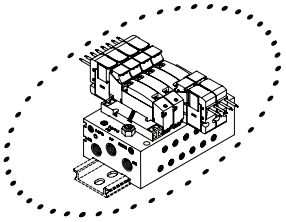
M4GB1

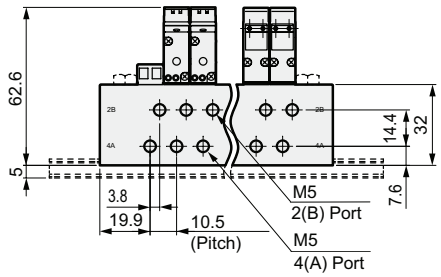
● External pilot (K)
Grommet lead wire (blank)



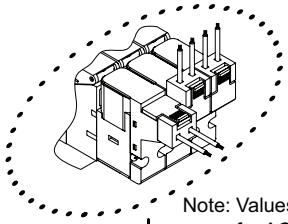


● External pilot (K)
M5 female thread (M5)

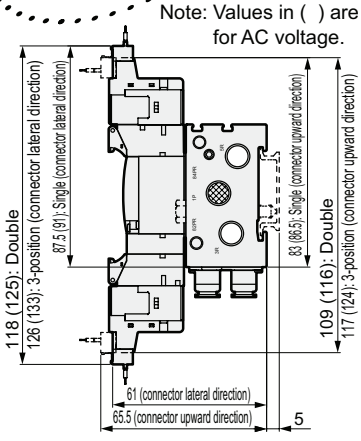




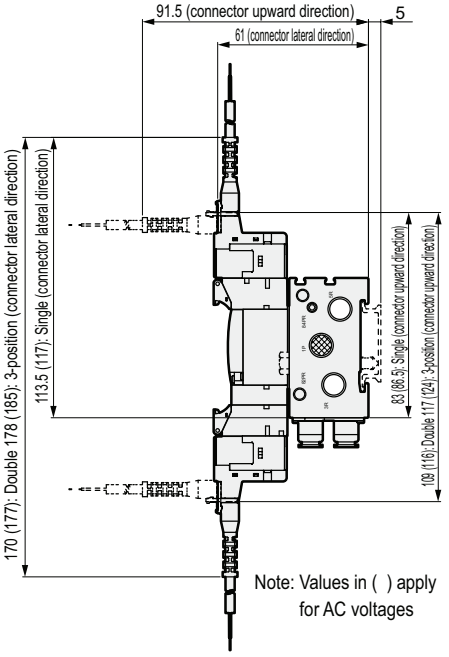
● External pilot (K)
E type connector (E)



Note: Values in ( ) are for AC voltage.



● External pilot (K)
EJ type connector (E**J)

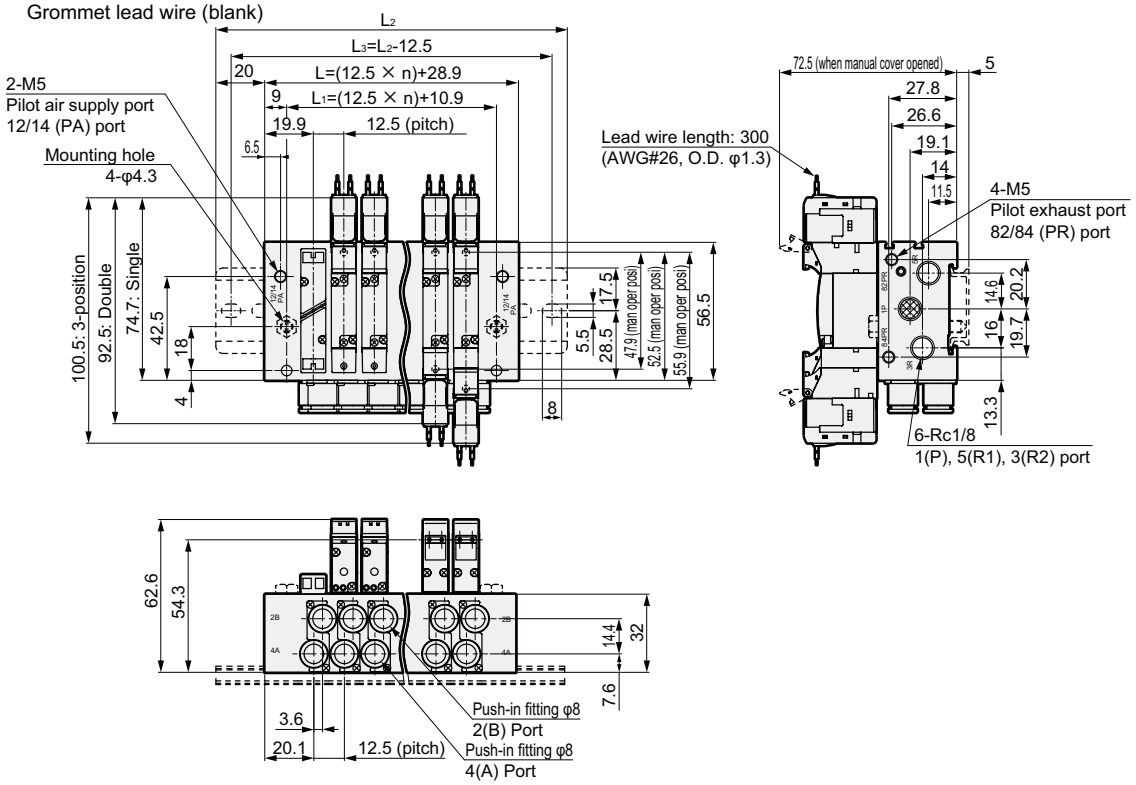


Stn No.	2	3	4	5	6	7	8	9	10	11	12
L	50.3	60.8	71.3	81.8	92.3	102.8	113.3	123.8	134.3	144.8	155.3
L_1	32.3	42.8	53.3	63.8	74.3	84.8	95.3	105.8	116.3	126.8	137.3
L_2	100.0	112.5	112.5	125.0	137.5	150.0	162.5	175.0	175.0	187.5	200.0
L_3	87.5	100.0	100.0	112.5	125.0	137.5	150.0	162.5	162.5	175.0	187.5

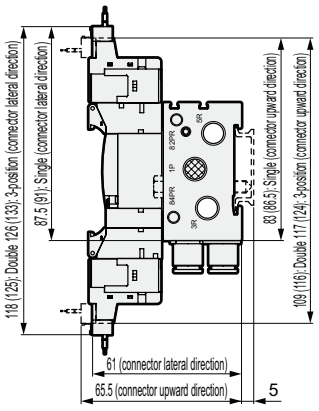
Dimensions

M4GB1-C8-K

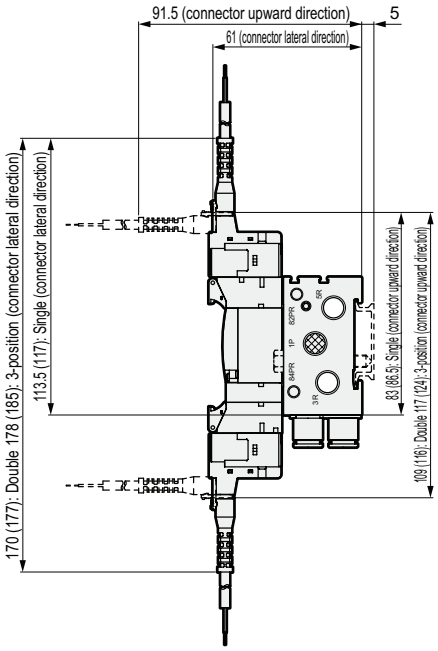
● External pilot (K)
Grommet lead wire (blank)



● External pilot (K)
E type connector (E)



● External pilot (K)
EJ type connector (E**J)

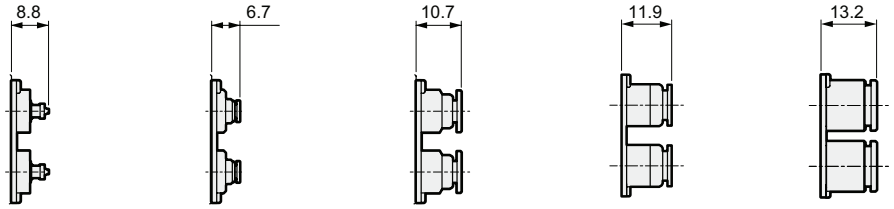


Stn No.	2	3	4	5	6	7	8	9	10	11	12
L	53.9	66.4	78.9	91.4	103.9	116.4	128.9	141.4	153.9	166.4	178.9
L_1	35.9	48.4	60.9	73.4	85.9	98.4	110.9	123.4	135.9	148.4	160.9
L_2	100.0	112.5	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0
L_3	87.5	100.0	112.5	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5

Dimensions CAD

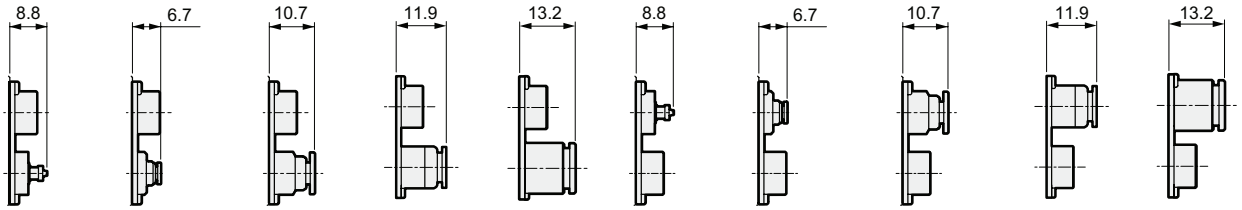
● Fitting straight

● φ1.8(CF) ● φ1.8(C18) ● φ4(C4) ● φ6(C6) ● φ8(C8)



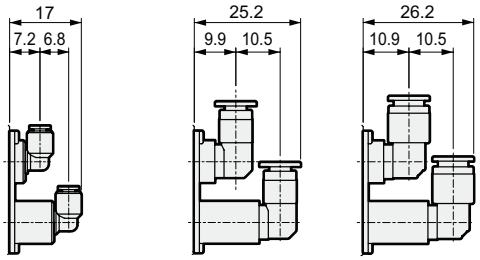
● Fitting straight, single plug

● φ1.8 (CFNC) ● φ1.8 (C18NC) ● φ4 (C4NC) ● φ6 (C6NC) ● φ8 (C8NC) ● φ1.8 (CFNO) ● φ1.8 (C18NO) ● φ4 (C4NO) ● φ6 (C6NO) ● φ8 (C8NO)



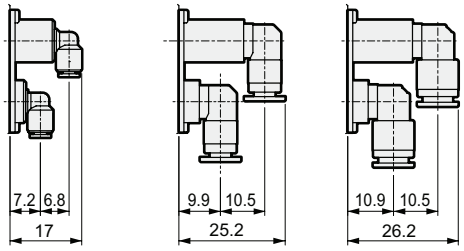
● L Fitting (upward)

● φ1.8(CL18) ● 4(CL4) ● φ6(CL6)



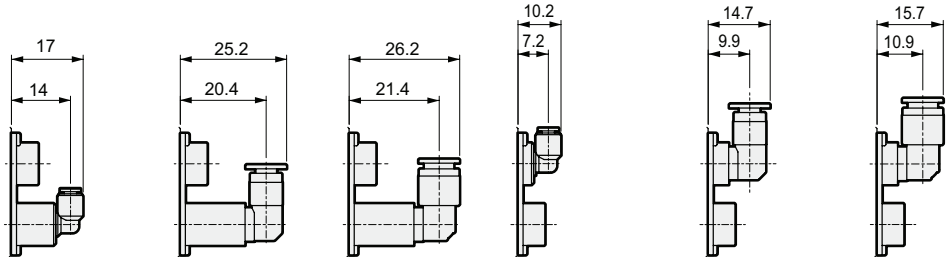
● L Fitting (downward)

● φ1.8(CD18) ● φ4(CD4) ● φ6(CD6)



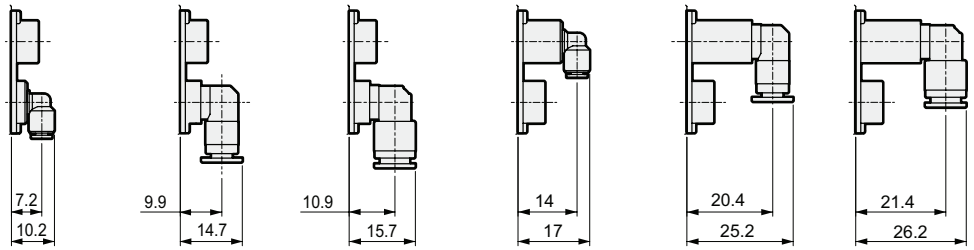
● L Fitting (upward), single plug

● φ1.8(CL18NC) ● φ4(CL4NC) ● φ6(CL6NC) ● φ1.8(CL18NO) ● φ4(CL4NO) ● φ6(CL6NO)



● Push-in L Fitting (downward), single plug

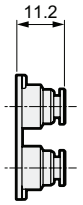
● φ1.8(CD18NC) ● φ4(CD4NC) ● φ6(CD6NC) ● φ1.8(CD18NO) ● φ4(CD4NO) ● φ6(CD6NO)



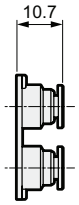
Dimensions

● Fitting straight

● φ1/8" (C3N)

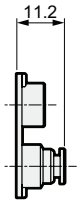


● φ5/32" (C4N)

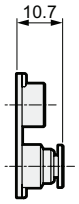


● Fitting straight, single plug

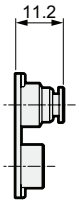
● φ1/8" (C3NCN)



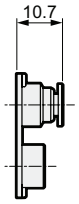
● φ5/32" (C4NCN)



● φ1/8" (C3NON)

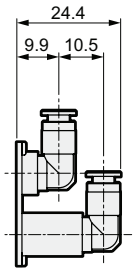


● φ5/32" (C4NON)

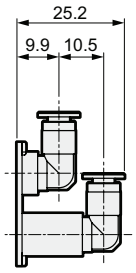


● L Fitting (upward)

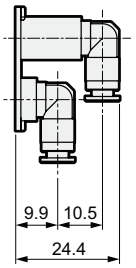
● φ1/8" (CL3N)



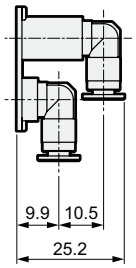
● φ5/32" (CL4N)



● φ1/8" (CD3N)

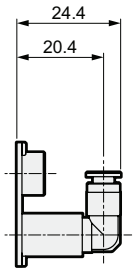


● φ5/32" (CD4N)

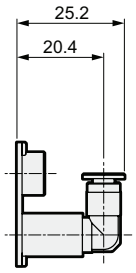


● L Fitting (upward), single plug

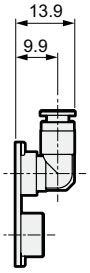
● φ1/8" (CL3NCN)



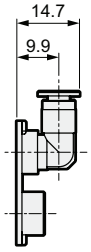
● φ5/32" (CL4NCN)



● φ1/8" (CL3NON)

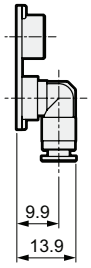


● φ5/32" (CL4NON)

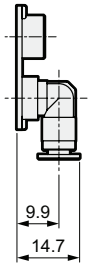


● Push-in L Fitting (downward), single plug

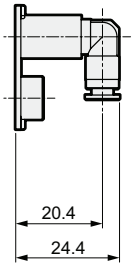
● φ1/8" (CD3NCN)



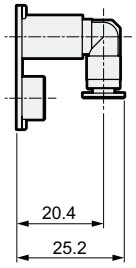
● φ5/32" (CD4NCN)



● φ1/8" (CD3NON)



● φ5/32" (CD4NON)



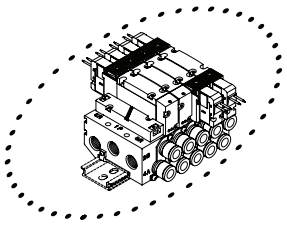
MEMO

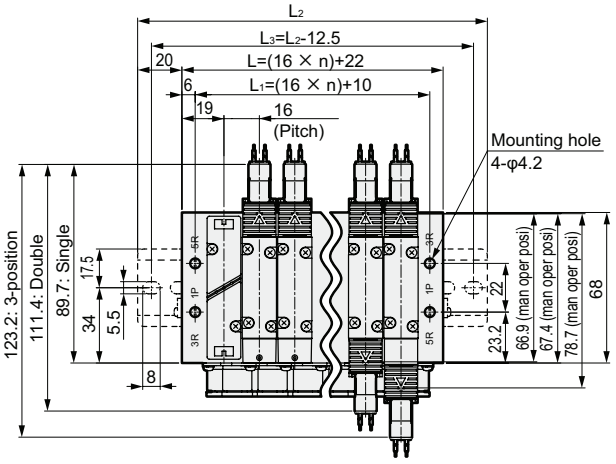
4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E MN4E
W4GA/B2
W4GB4
4TB
4L2-4/ LMF0
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G GMF
PV5 GMF
PV5S-0
3QR 3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/ NVP
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
PCD
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

Dimensions CAD

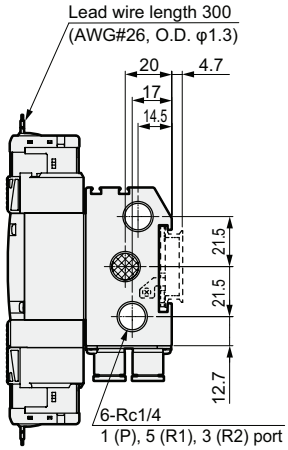
M4GB2

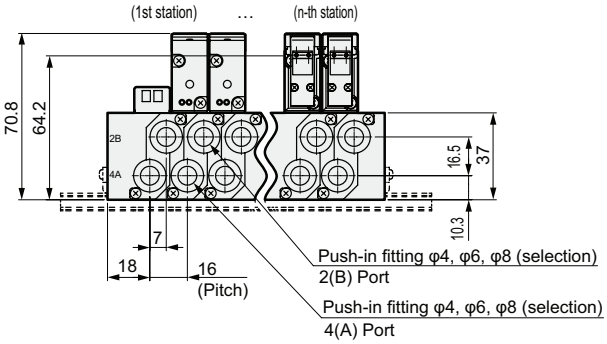
● Grommet lead wire (blank)



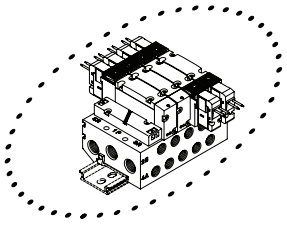


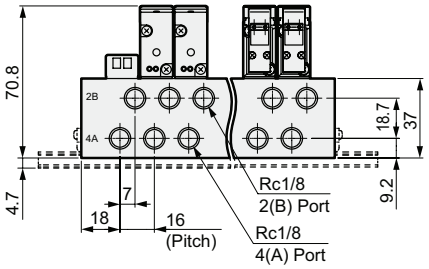
Note: The two 3-port valve integrated has the same dimensions as the double.



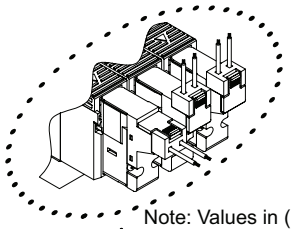


● Rc1/8 female thread (06)

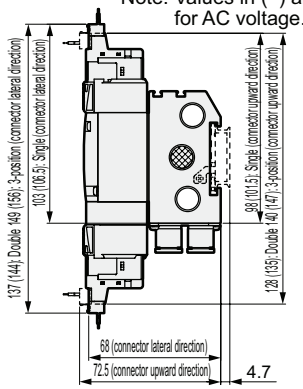




● E type connector (E)

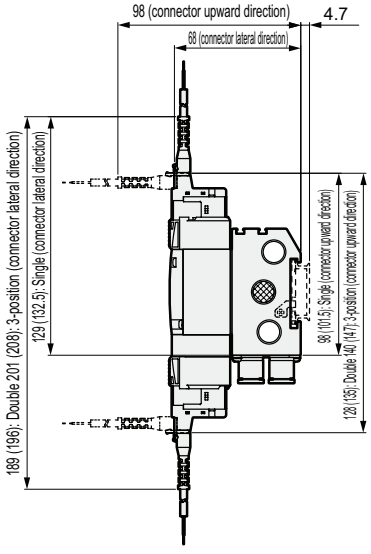


Note: Values in ( ) are for AC voltage.



● EJ type connector (E**J)

Note: Values in ( ) are for AC voltage.



Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	54.0	70.0	86.0	102.0	118.0	134.0	150.0	166.0	182.0	198.0	214.0	230.0	246.0	262.0	278.0	294.0	310.0	326.0	342.0
L_1	42.0	58.0	74.0	90.0	106.0	122.0	138.0	154.0	170.0	186.0	202.0	218.0	234.0	250.0	266.0	282.0	298.0	314.0	330.0
L_2	100.0	112.5	137.5	150.0	162.5	175.0	200.0	212.5	225.0	250.0	262.5	275.0	287.5	312.5	325.0				
L_3	87.5	100.0	125.0	137.5	150.0	162.5	187.5	200.0	212.5	237.5	250.0	262.5	275.0	300.0	312.5				