M4GA4/M4GB4 Series

How to fill out metal base M4G4 series manifold specifications sheet

● Manifold model No. (example)

M	4	G A/B 4	8	0-	CX	-	T30			-	9	-	3
	Solenoid valve		Solenoid position		Port size		Reduced wiring connection	Terminal/connector pin array	Option		Station No.		Voltage

Precautions for fitting mix CX

The A/B port fitting can be selected freely by indicating “CX” in the port size area.
(Note) The M4GA4 is not supported.

Selectable cartridge fittings

4G4:C8, C10, C12

For female thread specifications, indicate the required number of plugs in the “Thread plug” area at the end.
Female threads and cartridge fitting cannot be used together in one manifold set.

Solenoid valve model No.	Fitting CX A	Fitting CX B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Quantity
4G B 4 1 9- C8			○	○																							2
4G B 4 2 9- C8					○	○																					2
4G B 4 3 9- C8							○	○																			2
4G B 4 5 9- CX	C8	C10							○	○																	2
4G 4 9-																											
Masking plate 4G B 4-MP(S)											○																1
Masking plate 4G 4-MP(D)																											
Air supply spacer 4G 4-P-																											
Exhaust spacer 4G 4-R-																											

Fill in "CX" when changing the fitting combination

Accessory	Blanking plug			Silencer		
	GWP8-B	GWP10-B	GWP12-B	SLW-6	SLW-10	SLW-15
	Thread plug			Cable with D sub-connector	N4T-CABLE-D -	
	4G4-8 P	4G4-10 P	4G4-15 P			

From the manifold specifications sheet for each model, select and fill out the appropriate form.

● Individual wiring ...Page 712

● Reduced wiring
- · Common terminal block (T1*), D sub-connector (T30) : Page 713
- · Flat cable connector (T5*) : Page 714
- · Serial transmission (T6*) : Page 715

How to fill out wiring specifications sheet

Not required for standard wiring and double wiring.

● Wiring specifications sheet (example)

Complete these specifications when specifying the wiring order and additional cables.

Connector pin No.		Installation position																
T30/T30R	T50/T50R/T6*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	1	a																
14	2		a															
2	3			a														
15	4			(b)														
3	5				a													
16	6				(b)													
4	7					a												
17	8					b												
5	9 - Power supply						a											
18	10 + (COM) Power supply						b											
6	11							a										
19	12							b										
7	13								a									
20	14								b									
8	15									a								
21	16									b								
9	17																	
22	18																	
10	19 - Power supply																	
23	20 + (COM) Power supply																	
11																		
24																		
12																		
25																		
13 (COM)																		

Spare cable wiring precautions (1)

Spare cable wiring precautions (2)

* Note that when T50 wiring is used, the COM polarity is + (plus).
* When T50 wiring is used, connector pin numbers 9, 10, 19, and 20 cannot be specified, because they are used for the external input power supply.

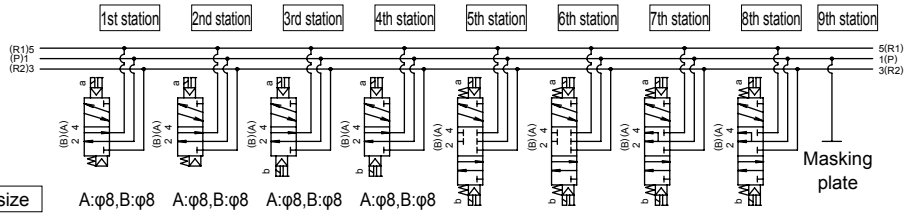
Precautions regarding spare wiring

(1) With the T30/T50/T51 as it is possible for the unit to be equipped with spare wiring in advance to permit modification from a single Sol to a double Sol, consult CKD.
Specify the position for expansion (modification area from single to double Sol).
Mark a circle in the wiring specification column as an indication of spare wiring, while also filling in the a sol side/b sol side categories.

(2) Spare wiring will be installed on the masking plate. (Refer to page 736)
The number of wires for spare wiring can be specified by selecting the masking plate within the specifications sheet.
(* When not specified, the spare wiring will be 2 wires (MPD).)
4G*4-MP(S) - 1 wire
4G*4-MP(D) - 2 wires

Reference circuit diagram

The simplified circuit diagram of the manifold model No. (example) on the previous page is shown below.



Port size A:φ8,B:φ8 A:φ8,B:φ8 A:φ8,B:φ8 A:φ8,B:φ8 A:φ8,B:φ8 A:φ8,B:φ8 A:φ8,B:φ10 A:φ8,B:φ10

* The manifold station numbers are set in order from the left with the piping port facing forward.

Individual wiring

M4G$^{A}_{B}$4 Manifold specifications sheet

Issued / /

Your company name

Contact

Order No.

● Contact ● Quantity Set ● Delivery date /

Slip No.	Order No.

● Manifold model No.

M [ ] **G$^{A}_{B}$4** [ ] **0-** [ ] **-** [ ] [ ] [ ] **-** [ ] **-** [ ]

Solenoid valve / Solenoid position / Port size / Electrical connections / Option / Mount / Station No. / Voltage

Solenoid valve model No.	Fitting CX		Valve installation position																							Quantity
	A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
Masking plate **4G** [ ] **4-MP**																											
Air supply spacer **4G** [ ] **4-P-** [ ]																											
Exhaust spacer **4G** [ ] **4-R-** [ ]																											

Mounting rail	Accessory	Blanking plug						Silencer					
L_2= [ ]		**GWP8-B**		**GWP10-B**		**GWP12-B**		**SLW-6** [ ]		**SLW-10** [ ]		**SLW-15** [ ]	
		Thread plug											
		4G4-8 [ ] **P**		**4G4-10** [ ] **P**		**4G4-15** [ ] **P**							

Reduced wiring

M4G$^{A}_{B}$4-T1/3 Manifold specifications sheet

Issued / /

Your company name

Contact

Order No.

● Contact ● Quantity Set ● Delivery date /

Slip No.	Order No.

● Manifold model No.

M [ ] **G$^{A}_{B}$4** [ ] **0-** [ ] **-** [ ] [ ] [ ] **-** [ ] **-** [ ]

Solenoid valve / Solenoid position / Port size / Reduced wiring connection / Terminal/connector pin array / Option / Station No. / Voltage

Solenoid valve model No.	Fitting CX A	Fitting CX B	Valve installation position 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Quantity
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
Masking plate **4G** [ ] **4-MP(S)**																											
Masking plate **4G** [ ] **4-MP(D)**																											
Air supply spacer **4G** [ ] **4-P-** [ ]																											
Exhaust spacer **4G** [ ] **4-R-** [ ]																											

Accessory	Blanking plug			Silencer		
	GWP8-B	**GWP10-B**	**GWP12-B**	**SLW-6** [ ]	**SLW-10** [ ]	**SLW-15** [ ]
	Thread plug			Cable with D sub-connector		
	4G4-8 [ ] **P**	**4G4-10** [ ] **P**	**4G4-15** [ ] **P**		**N4T-CABLE-D** [ ] **-** [ ]	

● Wiring specifications sheet (Not required for standard wiring/double wiring. Complete these specifications when specifying the wiring order and additional cables)

Connector pin No. T10/T10R	T11/T11R	T30/T30R	Installation position 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	1	1																								
2	2	14																								
3	3	2																								
4	4	15																								
5	5	3																								
6	6	16																								
7	7	4																								
8	8	17																								
9	9	5																								
10	10	18																								
11	11	6																								
12	12	19																								
13	13	7																								
14	14	20																								
COM	15	8																								
COM	16	21																								
	17	9																								
	18	22																								
	19	10																								
	20	23																								
	21	11																								
	22	24																								
	23	12																								
	24	25																								
	COM	13 (COM)																								
	COM																									

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

Reduced wiring

M4G$^{A}_{B}$4-T5 Manifold specifications sheet

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Your company name

Contact

Order No.

● Contact ● Quantity Set ● Delivery date /

Slip No.	Order No.

● Manifold model No.

M [ ] **G$^{A}_{B}$4** [ ] **0-** [ ] **-** [ ] [ ] [ ] **-** [ ] **-** [ ]

Solenoid valve / Solenoid position / Port size / Reduced wiring connection / Terminal/connector pin array / Option / Station No. / Voltage

Solenoid valve model No.	Fitting CX A	Fitting CX B	Valve installation position 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Quantity
4G [ ] 4 [ ] 9- [ ]																											
4G [ ] 4 [ ] 9- [ ]																											
4G [ ] 4 [ ] 9- [ ]																											
4G [ ] 4 [ ] 9- [ ]																											
4G [ ] 4 [ ] 9- [ ]																											
Masking plate 4G [ ] 4-MP(S)																											
Masking plate 4G [ ] 4-MP(D)																											
Air supply spacer 4G [ ] 4-P- [ ]																											
Exhaust spacer 4G [ ] 4-R- [ ]																											

Accessory	Blanking plug			Silencer		
	GWP8-B	GWP10-B	GWP12-B	SLW-6 [ ]	SLW-10 [ ]	SLW-15 [ ]
	Thread plug					
	4G4-8 [ ] P	4G4-10 [ ] P	4G4-15 [ ] P			

● Wiring specifications sheet (Not required for standard wiring/double wiring. Complete these specifications when specifying the wiring order and additional cables)

Connector pin No. T50/T50R	T51/T51R	T52/T52R	T53/T53R	Installation position 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	1	1	1																								
2	2	2	2																								
3	3	3	3																								
4	4	4	4																								
5	5	5	5																								
6	6	6	6																								
7	7	7	7																								
8	8	8	8																								
9- Power supply	9	9 COM	9																								
10 + (COM) Power supply	10	10 COM	10																								
11	11		11																								
12	12		12																								
13	13		13																								
14	14		14																								
15	15		15																								
16	16		16																								
17	17		17																								
18	18		18																								
19- Power supply	19 COM		19																								
20 + (COM) Power supply	20 COM		20																								
			21																								
			22																								
			23																								
			24																								
			25 COM																								
			26 COM																								

* Note that when T50 wiring is used, the COM polarity is + (plus).
* When T50 wiring is used, connector pin numbers 9, 10, 19, and 20 cannot be specified, because they are used for the external input power supply.

Serial transmission

M4G$^{A}_{B}$4-T6 Manifold specifications sheet

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Your company name

Contact

Order No.

● Contact ● Quantity Set ● Delivery date /

Slip No.	Order No.

● Manifold model No.

M [ ] **G$^{A}_{B}$4** [ ] **0-** [ ] **-** [ ] [ ] [ ] **-** [ ] **-** [ ]

Solenoid valve / Solenoid position / Port size / Serial transmission / Terminal/connector pin array / Option / Station No. / Voltage

Solenoid valve model No.	Fitting CX A	Fitting CX B	Valve installation position 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Quantity
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
4G [ ] **4** [ ] **9-** [ ]																											
Masking plate **4G** [ ] **4-MP(S)**																											
Masking plate **4G** [ ] **4-MP(D)**																											
Air supply spacer **4G** [ ] **4-P-** [ ]																											
Exhaust spacer **4G** [ ] **4-R-** [ ]																											

Accessory	Blanking plug			Silencer		
	GWP8-B	**GWP10-B**	**GWP12-B**	**SLW-6** [ ]	**SLW-10** [ ]	**SLW-15** [ ]
	Thread plug					
	4G4-8 [ ] **P**	**4G4-10** [ ] **P**	**4G4-15** [ ] **P**			

● Wiring specifications sheet (Not required for standard wiring/double wiring. Complete these specifications when specifying the wiring order and additional cables)

Connector pin No. **T6***		Installation position 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	1																
	2																
	3																
	4																
	5																
T6A0: UNIWIRE SYSTEM 8 points	6																
T6A1: UNIWIRE SYSTEM 16 points	7																
T6C0: CompoBus/S 8 points	8																
T6C1: CompoBus/S 16 points	9																
T6G1: CC-Link 16 points	10 COM																
T6E0: S-LINK 8 points	11																
T6E1: S-LINK 16 points	12																
T6J0: UNIWIRE H SYSTEM 8 points	13																
T6J1: UNIWIRE H SYSTEM 16 points	14																
	15																
	16																
	17																
	18																
	19																
	20 COM																