

MN4GD/4GE Series

Manifold specifications sheet

How to fill out block manifold MN4G series manifold specifications sheet

● Manifold model No. (example)

MN **4** **GD1** **8** **0R-** **CX** - **T50** **W** **H** - **8** - **3**

A Model No. **B** Solenoid position **C** Port size **D** Electrical connection **E** Terminal and connector **F** Option **G** Station No. **H** Voltage

When filling in this field, select the model No. from "Block configurations" (pages 669 to 682). (reduced wiring connection) pin array (Note: Fill in for reduced wiring.)

Part name	Model No.	Layout position																														Quantity	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Wiring block (Pages 674 and 675)	N4G1R-T 50	☐																														1	
Valve block with solenoid valve (page 670)	N4GD1 1 0R- C4		☐	☐																												2	
	N4GD1 2 0R- C6					☐																										1	
	N4GD1 3 0R- C4				☐																											1	
	N4GD1 0R-																																
	N4GD1 0R-																																
	N4GD1 0R-																																
	N3GD1 1 0R- C4										☐	☐	☐																				3
N3GD1 0R-																																	
Valve block with masking plate (page 670)	N4GA1R-MP																																
	N4GA1R-MPS																																
	N4GA1R-MPD						☐																									1	
Supply and exhaust block (page 672)	N4G1R-Q 8L							☐				☐																				2	
	N4G1R-Q -																																
	N4G1R-Q -																																
Partition block (page 673)	N4G1R-S A								☐																							1	
	N4G1R-S																																
	N4G1R-S																																
End block (page 672)	N4G1R-E R													☐																		1	
	N4G1R-E																																
Mounting rail	L= (How to calculate length on next page)	Blanking plug										Silencer										Tag plate (attachment)										Accessory	
		GWP4-B				GWP6-B				GWP8-B				SLW-H6				SLW-H8				A		☐									
		Cable with D sub-connector					4GR-CABLE-D0□-□					Push-in fitting tube remover (attached as standard) ☒ Not required (check the box)																					

* A circuit diagram of the above manifold model No. (example) is provided on the following page. Use for reference.

Place a check here if the tube remover
(standard attached product) is not required.

Preparing manifold specifications sheet

- Complete from the left end, with the piping port facing forward.
(Write the block model numbers and positions you determined referring to the block configurations (pages 669 to 682).)
- Write the total number of blocks specified in the quantity field at the table far right.
- Mark a circle for attached products that are required.
- Indicate the mounting rail length. (Fill in only when a length other than the standard length is required.)
- As there are manifold specifications sheet for each of the various series, fill in the form for the corresponding specifications.
 - MN4GD1: Page 687
 - MN4GE1: Page 688
 - MN4GD2: Page 689
 - MN4GE2: Page 690
 - MN4GDX1/2 (Mix manifold): Page 691
 - MN4GEX1/2 (Mix manifold): Page 692

MN4GD/4GE Series

Manifold specifications sheet

● Mounting rail model No.: N4GR-BAA Length

Mounting rail length (L2)

- (1) Determine the rail length using the calculation method shown below.
The obtained length is standard.
- (2) For standard length, length (L2) is not required on the specification sheet.
Indicate the length when using a non-standard length.

● How to determine the length of the mounting rail

$$\text{Manifold length (L1)} = (\text{A} \times \text{Quantity of Valve block}) + (\text{B} \times \text{Quantity of Supply and exhaust block}) + (\text{C} \times \text{Quantity of Partition block}) + \text{D} + \text{E}$$

Mounting rail length (L2) = L2' x 12.5 A, B, C, D, and E indicate the length (width) of each block.

$$L2': \frac{L1+40}{12.5} \rightarrow \text{decimals rounded up}$$

$$\text{Rail mounting pitch (L3)} = L2 - 12.5$$

Block length (width) dimensions table (mm)

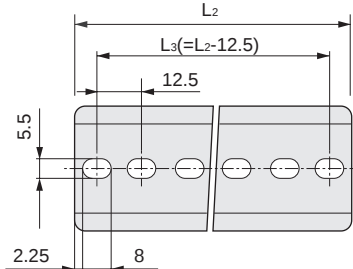
		MN4GD/E1	MN4GD/E2	MN4G1/2MIX	
				MN4GD/E1	MN4GD/E2
A	Valve block	10.5	16	10.5	16
B	Supply and exhaust block	16	18	16	18
C	Partition block	10.5	10.5	10.5	10.5
D	Individual wiring	41.2	46.2	43.7	
	Wiring block for reduced wiring	T10/T11	83.9	86.4	86.4
		T10R/T11R	83.9	86.4	83.9
		T30/T5*	69.4	71.9	71.9
		T30R/T5*R	69.4	71.9	69.4
		T6G1	143.6	146.1	146.1
		T7*	64.4	66.9	66.9
		T8*	64.4	66.9	66.9
E	Mixed block			16	

* The end block is included in the wiring block.

● Mounting rail length quick reference table

L1: Manifold Length	47.5 or less	47.5 Over to 60 or less	60 to 72.5	72.5 to 85	85 to 97.5	97.5 to 110	110 to 122.5	122.5 to 135	135 to 147.5	147.5 to 160	160 to 172.5	172.5 to 185	185 to 197.5	197.5 to 210	210 to 222.5	222.5 to 235	235 to 247.5	247.5 to 260	260 to 272.5	272.5 to 285	285 to 297.5	297.5 to 310	310 to 322.5	322.5 to 335	335 to 347.5	347.5 to 360
L2: Rail Length	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375	387.5	400
Pitch L3	75	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375	387.5

*1: When L1 exceeds this table, calculate the length by referring to "How to calculate the length of the mounting rail".



MN4GD/4GE Series

Manifold specifications sheet

How to fill out wiring specifications sheet

Not required for standard wiring and double wiring.

● Wiring specifications sheet (example)

* The following example has been filled out in accordance with the manifold specifications sheet on the previous page.

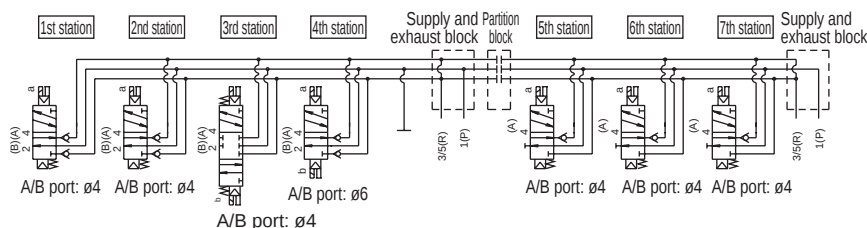
Connector pin No.				Valve No.																							
T50/T50R	T51/T51R	T52/T52R	T53/T53R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	1	1	1	a																							
2	2	2	2		a																						
3	3	3	3				a																				
4	4	4	4				b																				
5	5	5	5					a																			
6	6	6	6					b																			
7	7	7	7			a																					
8	8	8	8			b																					
9 - Power supply	9	9 COM	9																								
10 + (COM) Power supply	10	10 COM	10																								
11	11		11					a																			
12	12		12						a																		
13	13		13							a																	
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 the wiring method is T50/T50R, the COM polarity will be + (positive).

● Notes on wiring specifications

- (1) Fill in and attach to the manifold specifications sheet for anything other than the standard wiring or double wiring. Consult with CKD, as products will be made to order in this case.
- (2) The valve No. is determined by counting the valve blocks only in order from the left with the ports facing forward. Note that this differs from the installation position numbers.
- (3) As the connector pin No. and valve No. differ for each reduced wiring method (T1*/T30/T5*/T6G1/T7*/T8*), fill out the form upon reviewing the notes (pages 816 to 835) for each.
- (4) Wiring (socket assembly) is included with valve blocks with masking plates. A side only for “-MPS”. Both A and B sides for “-MPD”.
- (5) Double solenoids or 3-position solenoid valves cannot be assembled to “-MPS”. Order valve block with solenoid valve and carry out expansion.
- (6) It is not possible to install spare wires for station expansion in advance. Wire the socket assembly of the solenoid valve for expansion of stations. Refer to page 836 for instructions on how to expand stations.

Reference circuit diagram Simplified circuit diagram of manifold model No. (example) from previous page



- * The manifold station numbers are set in order from the left with the piping port facing forward.
(Wiring blocks, supply and exhaust blocks, partition block, and end block are not included in the manifold station No.)
- * Select the model No. from block configuration (pages 669 to 682) and each specification model No. page.
- * With piping port facing front, arrangement positions are set in order from the left.

MN4GD1 Block manifold specifications sheet

● Contact ● Quantity Set ● Delivery date / /

Slip No. Order No.

Issued / /

● Manifold model No.

MN GD1 0R - - - -

Company

Contact

Order No.

● A Model No. ● B Solenoid position ● C Port size ● D Electrical connections ● E Terminal/connector pin ● F Option ● G Station No. ● H Voltage

When filling in this field, select the model No. from "Block configurations" (pages 669 to 682).

(Reduced wiring connection) array (Note: Fill in for reduced wiring.)

Part name (Page)	Model No.	Layout position																														Quantity
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Wiring block (pages 674 and 675)	N4G1R-T																															
Valve block with solenoid valve (page 670)	N4GD1	0R-																														
	N4GD1	0R-																														
	N4GD1	0R-																														
	N4GD1	0R-																														
	N4GD1	0R-																														
	N4GD1	0R-																														
	N3GD1	0R-																														
	N3GD1	0R-																														
Valve block with masking plate (page 670)	N4GA1R-MP																															
	N4GA1R-MPS																															
	N4GA1R-MPD																															
Air supply spacer (page 679)	4G1R-P-																															
	4G1R-P-																															
Exhaust spacer (page 681)	4G1R-R-																															
	4G2R-R-																															
Supply and exhaust block (page 672)	N4G1R-Q																															
	N4G1R-Q																															
	N4G1R-Q																															
Partition block (Page 673)	N4G1R-S																															
	N4G1R-S																															
	N4G1R-S																															
End block (Page 672)	N4G1R-E																															
	N4G1R-E																															
Mounting rail	L ₂ = * Write an integer multiple of 12.5. (How to determine the length page 685)	Blanking plug										Silencer										Tag plate (attachment)		Accessory								
		GWP4-B		GWP6-B		GWP8-B		SLW-H6		SLW-H8		A																				
		Cable with D sub-connector					4GR-CABLE-D0					Push-in fitting tube remover (attached as standard) Not required (check the box)																				

* Write an integer multiple
of 12.5.
(How to determine the length page 685)

4GA/B

M4GA/B

MN4GA/B

4GA/B
(master)4GB
With sensor

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E

MN4E

W4GA/B2

W4GB4

MN3S0

MN4S0

4SA/B0

4KA/B

4KA/B
(master)

4F

4F
(master)

PV5G

GMF

PV5

GMF

PV5S-0

3Q

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP

NVP

4G*0EJ

4F*0EX

4F*0E

HNV

HSV

2QV

3QV

SKH

Silencer

TotAirSys
(Total Air)TotAirSys
(Gamma)

Ending

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E MN4E
W4GA/B2
W4GB4
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G GMF
PV5 GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP NVP
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

MN4GE1 Block manifold specifications sheet

● Contact

● Quantity

Set

● Delivery date

/

Issued

/

/

Slip No.

Order No.

● Manifold model No.

Company

Contact

Order No.

MNGE10R - - - -

● A Model No.

● B Solenoid position

● C Port size

● D Electrical connections

● E Terminal/connector pin

● F Option

● G Station No.

● H Voltage

When filling in this field, select the model No. from "Block configurations" (pages 669 to 682). (Reduced wiring connection) array (Note: Fill in for reduced wiring.)

Part name (Page)	Model No.	Layout position																														Quantity
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Wiring block (pages 674 and 675)	N4G1R-T																															
Valve block with solenoid valve (page 670)	N4GE1	0R-																														
	N4GE1	0R-																														
	N4GE1	0R-																														
	N4GE1	0R-																														
	N4GE1	0R-																														
	N4GE1	0R-																														
	N3GE1	0R-																														
	N3GE1	0R-																														
Valve block with masking plate (page 670)	N4GB1R-MP-																															
	N4GB1R-MPS-																															
	N4GB1R-MPD-																															
Air supply spacer (page 679)	4G1R-P-																															
	4G1R-P-																															
Exhaust spacer (page 681)	4G1R-R-																															
	4G2R-R-																															
Supply and exhaust block (page 672)	N4G1R-Q	-																														
	N4G1R-Q	-																														
	N4G1R-Q	-																														
Partition block (page 673)	N4G1R-S																															
	N4G1R-S																															
	N4G1R-S																															
End block (page 672)	N4G1R-E																															
	N4G1R-E																															
Mounting rail	L ₂ = * Write an integer multiple of 12.5. (How to determine the length page 685)	Blanking plug										Silencer										Tag plate (attachment)				Accessory						
		GWP4-B		GWP6-B		GWP8-B		SLW-H6		SLW-H8		B1	B2																			
		Cable with D sub-connector					4GR-CABLE-D0□□					Push-in fitting tube remover (attached as standard) □ Not required (check the box)																				

MN4GD2 Block manifold specifications sheet

● Contact ● Quantity Set ● Delivery date / / Issued / /
 Slip No. Order No. Company Contact Order No.

● Manifold model No.
MN **GD2** **0R** - - - -

(A) Model No. (B) Solenoid position (C) Port size (D) Electrical connections (Reduced wiring connection) (E) Terminal/connector pin array (Note: Fill in for reduced wiring.) (F) Option (G) Station No. (H) Voltage

When filling in this field, select the model No. from "Block configurations" (pages 669 to 682).

Part name (Page)	Model No.	Layout position																														Qty.									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30										
Wiring block (pages 674 and 675)	N4G2R-T																																								
Valve block with solenoid valve (page 670)	N4GD2	0R-																																							
	N4GD2	0R-																																							
	N4GD2	0R-																																							
	N4GD2	0R-																																							
	N4GD2	0R-																																							
	N4GD2	0R-																																							
	N3GD2	0R-																																							
	N3GD2	0R-																																							
Valve block with masking plate (page 670)	N4GA2R-MP																																								
	N4GA2R-MPS																																								
	N4GA2R-MPD																																								
Air supply spacer (page 679)	4G2R-P-																																								
	4G2R-P-																																								
Exhaust spacer (page 681)	4G1R-R-																																								
	4G2R-R-																																								
Supply and exhaust block (page 672)	N4G2R-Q	-																																							
	N4G2R-Q	-																																							
	N4G2R-Q	-																																							
Partition block (page 673)	N4G2R-S																																								
	N4G2R-S																																								
	N4G2R-S																																								
End block (page 672)	N4G2R-E																																								
	N4G2R-E																																								
Mounting rail	L ₂ = * Write an integer multiple of 12.5. (How to determine the length page 685)	Blanking plug										Silencer										Tag plate (attachment)																			
		GWP4-B										GWP8-B										SLW-H8										A									
		GWP6-B										GWP10-B										SLW-H10																			
		Cable with D sub-connector										4GR-CABLE-D0□-□																													

Accessory

4GA/B

M4GA/B

MN4GA/B

4GA/B

4GB

With sensor

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E

MN4E

W4GA/B2

W4GB4

MN3S0

MN4S0

4SA/B0

4KA/B

4KA/B

(master)

4F

4F

(master)

PV5G

GMF

PV5

GMF

PV5S-0

3Q

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP

NVP

4G*0EJ

4F*0EX

4F*0E

HNV

HSV

2QV

3QV

SKH

Silencer

TotAirSys

(Total Air)

TotAirSys

(Gamma)

Ending

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA/B4
MN3E MN4E
W4GA/B2
W4GB4
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G GMF
PV5 GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP NVP
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

MN4GE2 Block manifold specifications sheet

● Contact

● Quantity

Set

● Delivery date

/

Issued

/

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Slip No.

Order No.

Company

Contact

Order No.

● Manifold model No.

MNGE20R - - - -

● A Model No.

● B Solenoid position

● C Port size

● D Electrical connection
(reduced wiring connection)

● E Terminal/connector
pin array
(Note: Fill in for reduced wiring.)

● F Option

● G Station No.

● H Voltage

When filling in this field, select the model No. from "Block configurations" (pages 669 to 682).

Part name (Page)	Model No.	Layout position																														Quantity
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Wiring block (pages 674 and 675)	N4G2R-T																															
Valve block with solenoid valve (page 670)	N4GE2	0R-																														
	N4GE2	0R-																														
	N4GE2	0R-																														
	N4GE2	0R-																														
	N4GE2	0R-																														
	N4GE2	0R-																														
	N3GE2	0R-																														
	N3GE2	0R-																														
Valve block with masking plate (page 670)	N4GB2R-MP -																															
	N4GB2R-MPS-																															
	N4GB2R-MPD-																															
Air supply spacer (page 679)	4G2R-P-																															
	4G2R-P-																															
Exhaust spacer (page 681)	4G1R-R-																															
	4G2R-R-																															
Supply and exhaust block (page 672)	N4G2R-Q	-																														
	N4G2R-Q	-																														
	N4G2R-Q	-																														
Partition block (page 673)	N4G2R-S																															
	N4G2R-S																															
	N4G2R-S																															
End block (page 672)	N4G2R-E																															
	N4G2R-E																															
Mounting rail	L ₂ = * Write an integer multiple of 12.5. (How to determine the length page 685)	Blanking plug										Silencer										Tag plate (attachment)										Accessory
		GWP4-B					GWP8-B					SLW-H8					B															
		GWP6-B					GWP10-B					SLW-H10																				
		Cable with D sub-connector					4GR-CABLE-D0□-□																									

MN4GD1/2 Mix manifold specifications sheet

● Contact ● Quantity Set ● Delivery date / /

Issued / /

Slip No. Order No.

Company

● Manifold model No.

MN **GDX12R** - - - - - -

Contact

Order No.

A Model No.

C Port size

D Electrical connection
(reduced wiring connection)

E Terminal/connector
pin array
(Note: Fill in for reduced wiring.)

F Option

G Station No.

H Voltage

When filling in this field, select the model No. from "Block configurations" (pages 669 to 682).

Part name (Page)	Model No.		Layout position																														Qty.
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Wiring block (pages 674 and 675)	N4G	R-T																															
Valve block with solenoid valve (page 670)	N4GD	0R-																															
	N4GD	0R-																															
	N4GD	0R-																															
	N4GD	0R-																															
	N4GD	0R-																															
	N4GD	0R-																															
	N4GD	0R-																															
	N3GD	0R-																															
N3GD	0R-																																
Valve block with masking plate (page 670)	N4GA	R-MP																															
	N4GA	R-MPS																															
	N4GA	R-MPD																															
Air supply spacer (page 679)	4G1R-P-																																
	4G2R-P-																																
Exhaust spacer (page 681)	4G1R-R-																																
	4G2R-R-																																
Mixed block (page 673)	N4G12R-MIX																																
Supply and exhaust block (page 672)	N4G	R-Q	-																														
	N4G	R-Q	-																														
	N4G	R-Q	-																														
Partition block (page 673)	N4G	R-S																															
	N4G	R-S																															
	N4G	R-S																															
End block (page 672)	N4G	R-E																															
	N4G	R-E																															
Mounting rail	L ₂ =		Blanking plug															Silencer															Accessory
			GWP	-B	GWP	-B	GWP	-B	GWP	-B	GWP	-B	GWP	-B	GWP	-B	SLW-H		SLW-H														
	* Write an integer multiple of 12.5. (How to determine the length page 685)		Cable with D sub-connector					4GR-CABLE-D0□-□					Push-in fitting tube remover (attached as standard) □ Not required (check the box)																				

4GA/B

M4GA/B

MN4GA/B

4GA/B
(master)

4GB

With sensor

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E

MN4E

W4GA/B2

W4GB4

MN3S0

MN4S0

4SA/B0

4KA/B

4KA/B
(master)

4F

4F
(master)

PV5G

GMF

PV5

GMF

PV5S-0

3Q

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP

NVP

4G*0EJ

4F*0EX

4F*0E

HMV

HSV

2QV

3QV

SKH

Silencer

TotAirSys
(Total Air)

TotAirSys
(Gamma)

Ending

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA/B4
MN3E MN4E
W4GA/B2
W4GB4
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G GMF
PV5 GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP NVP
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

MN4GE1/2 Mix manifold specifications sheet

● Contact

● Quantity

Set

● Delivery date

/

Issued

/

/

Slip No.

Order No.

Company

Contact

Order No.

● Manifold model No.

MNGEX12R----

A Model No.

C Port size

D Electrical connection
(reduced wiring connection)

E Terminal/connector
pin array
(Note: Fill in for reduced wiring.)

F Option

G Station No.

H Voltage

When filling in this field, select the model No. from "Block configurations" (pages 669 to 682).

Part name	Model No.			Layout position																														Quantity
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Wiring block (pages 674 and 675)	N4G		R-T																															
Valve block with solenoid valve (page 670)	N4GE		0R-																															
	N4GE		0R-																															
	N4GE		0R-																															
	N4GE		0R-																															
	N4GE		0R-																															
	N4GE		0R-																															
	N3GE		0R-																															
	N3GE		0R-																															
Valve block with masking plate (page 670)	N4GB		R-MP-																															
	N4GB		R-MPS-																															
	N4GB		R-MPD-																															
Air supply spacer (page 679)	4G1R-P-																																	
	4G2R-P-																																	
Exhaust spacer (page 681)	4G1R-R-																																	
	4G2R-R-																																	
Mixed block (page 673)	N4G12R-MIX																																	
Supply and exhaust block (page 672)	N4G		R-Q	-																														
	N4G		R-Q	-																														
	N4G		R-Q	-																														
Partition block (page 673)	N4G		R-S																															
	N4G		R-S																															
	N4G		R-S																															
End block (page 672)	N4G		R-E																															
	N4G		R-E																															
Mounting rail	L ₂ =			Blanking plug															Silencer										Accessory					
				GWP-B			GWP-B			GWP-B			GWP-B			SLW-H					SLW-H													
	* Write an integer multiple of 12.5. (How to determine the length page 685)			Cable with D sub-connector					4GR-CABLE-D0-□-□					Push-in fitting tube remover (attached as standard) □ Not required (check the box)																				

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

Flat cable connector (T50/T51/T52/T53) wiring specifications sheet

* Fill in and attach to the manifold specifications sheet for anything other than the standard wiring or double wiring. (Available as a custom order)
* Not required with standard wiring/double wiring.

Connector pin No.				Valve No.																							
T50/T50R	T51/T51R	T52/T52R	T53/T53R	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 the wiring method is T50/T50R, the COM polarity will be + (positive).

Serial transmission (T6G1/T7*) wiring specifications sheet

* Fill in and attach to the manifold specifications sheet for anything other than the standard wiring or double wiring. (Available as a custom order)
* Not required with standard wiring/double wiring.

Serial transmission	Connector pin No.		Valve No.															
	T6G1	T7*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Connector T6G1: CC-Link 16 points	1	1																
	2	2																
	3	3																
	4	4																
	5	5																
	6	6																
	7	7																
	8	8																
	9	9																
	10	COM	10															
	11	11																
	12	12																
Thin slot-insertion type T7D1: DeviceNet 16 points T7G1: CC-Link 16 points T7L1: SAVE NET 16 points T7S1: CompoNet 16 points (NPN) T7SP1: CompoNet 16 points (PNP)	13	13																
	14	14																
	15	15																
	16	16																
	17	17																
	18	18																
	19	19																
	20	COM	20															

Serial transmission (T8*) wiring specifications sheet

* Fill in and attach to the manifold specifications sheet for anything other than the standard wiring or double wiring. (Available as a custom order)

* Not required with standard wiring/double wiring.

Serial transmission				Connector pin No.	Valve No.																							
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
T8G1	CC-Link	NPN	16 points	1																								
T8G2			32 points	2																								
T8GP1		PNP	16 points	3																								
T8GP2			32 points	4																								
T8P1	PROFIBUS-DP	NPN	16 points	5																								
T8P2			32 points	6																								
T8PP1		PNP	16 points	7																								
T8PP2			32 points	8																								
T8EC1	EtherCAT	NPN	16 points	9																								
T8EC2			32 points	10																								
T8ECP1		PNP	16 points	11																								
T8ECP2			32 points	12																								
T8EN1	EtherNet/IP	NPN	16 points	13																								
T8EN2			32 points	14																								
T8ENP1		PNP	16 points	15																								
T8ENP2			32 points	16																								
T8D1	DeviceNet	NPN	16 points	17																								
T8D2			32 points	18																								
T8DP1		PNP	16 points	19																								
T8DP2			32 points	20																								
T8EB1	CC-Link IEF Basic	NPN	16 points	21																								
T8EB2			32 points	22																								
T8EBP1		PNP	16 points	23																								
T8EBP2			32 points	24																								
T8EP1	PROFINET	NPN	16 points	25																								
T8EP2			32 points	26																								
T8EPP1		PNP	16 points	27																								
T8EPP2			32 points	28																								
				29																								
				30																								
				31																								
				32																								

4GA/B

M4GA/B

MN4GA/B

4GA/B
(master)4GB
With sensor

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E
MN4E

W4GA/B2

W4GB4

MN3S0
MN4S0

4SA/B0

4KA/B

4KA/B
(master)

4F

4F
(master)

PV5G

GMF

PV5

GMF

PV5S-0

3Q

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP
NVP

4G*0EJ

4F*0EX

4F*0E

HNV
HSV2QV
3QV

SKH

Silencer

TotAirSys
(Total Air)TotAirSys
(Gamma)

Ending