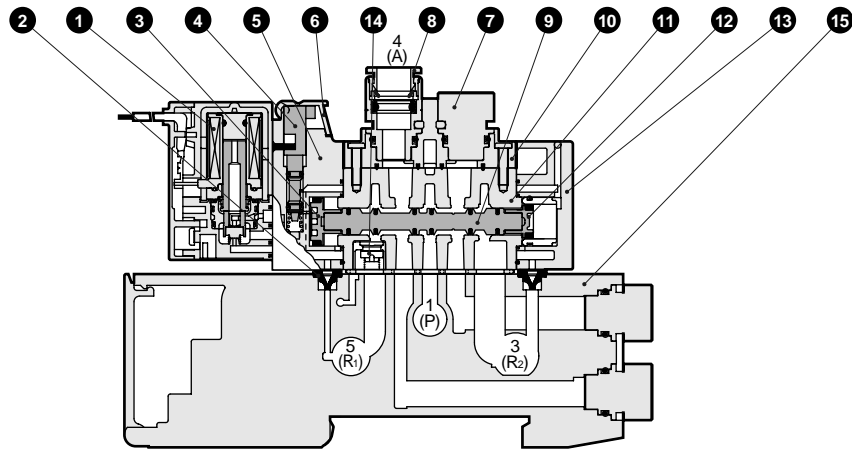
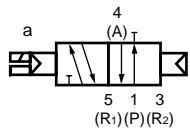


Internal structure and part list

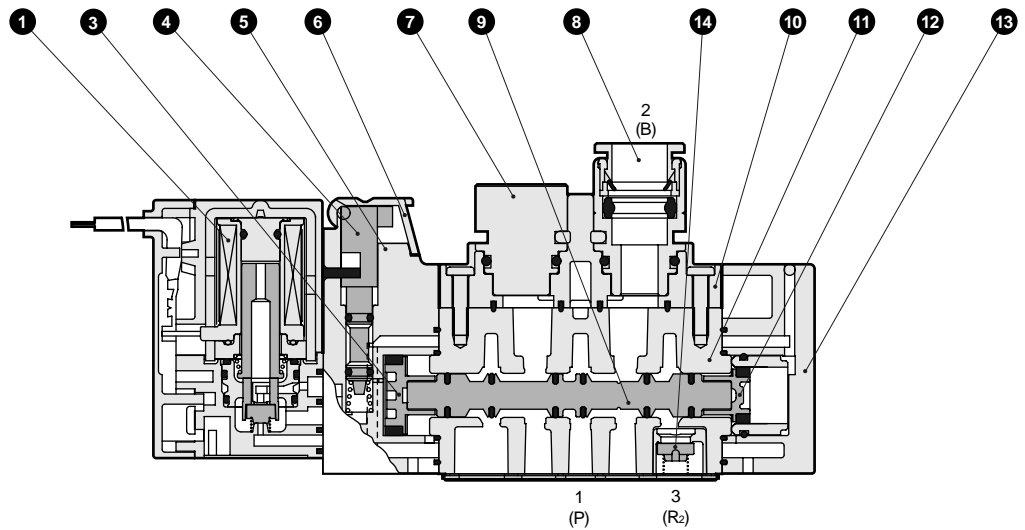
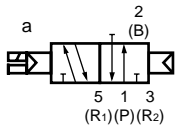
N3GA110/N3GA210

- 2-position single solenoid, normally closed
grommet lead wire (blank)



N3GA1110/N3GA2110

- 2-position single solenoid, normally open
grommet lead wire (blank)



Main part list

No.	Parts name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Nitrile rubber
3	Piston D assembly	-
4	Manual override	Resin
5	Piston room	Resin
6	Protective cover of manual override	Resin
7	Plug cartridge	Aluminum
8	Cartridge type quick connector	-
9	Spool assembly	-
10	Joint adaptor	Resin
11	Body	Aluminum alloy die casting
12	Piston S assembly	-
13	Cap	Resin
14	Check valve	-
15	Valve block	Resin

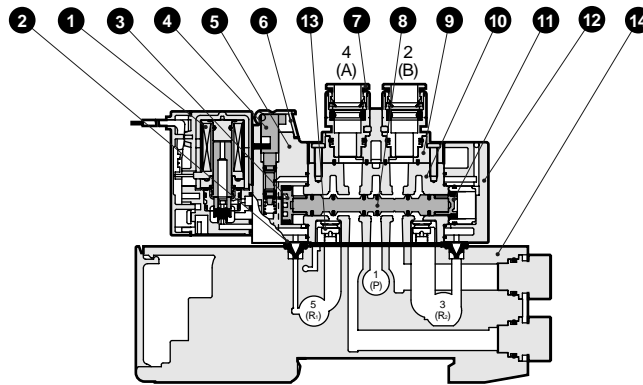
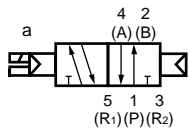
Repair parts list

No.	Parts name	Model No.
1	Coil assembly	4G-[Electric connection]-* - COIL- [Voltage]
		Blank: Standard A: Ozone proof
8	Cartridge type quick connector and related parts	4 dia. straight type 4G2-JOINT-C4
		6 dia. straight type 4G2-JOINT-C6
		8 dia. straight type 4G2-JOINT-C8 (3GA2 only)
		Plug cartridge 4G2-JOINT-CPG
-	E-connector socket assembly	4G-SOCKET ASSY-[Electric connection] -[Voltage]
-	EJ-connector socket assembly	4G-SOCKET ASSY-[Electric connection]
-	DIN terminal box assembly (3GA2 only)	4G-TERMINAL BOX-[Voltage]

Internal structure and part list

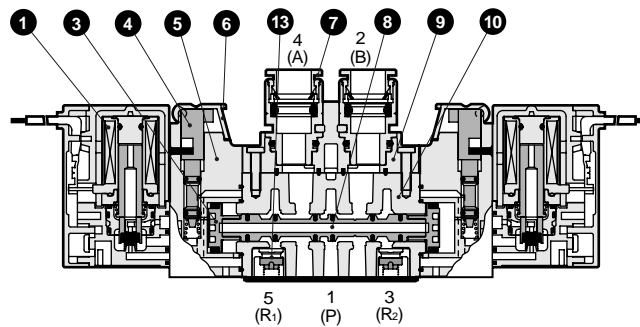
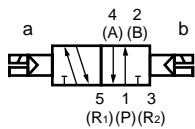
N4GA110/N4GA210

- 2-position single grommet lead wire (blank)



N4GA120/N4GA220

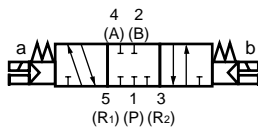
- 2-position double grommet lead wire (blank)



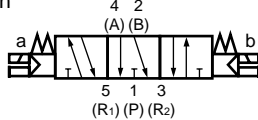
N4GA140/N4GA240

- 3-position grommet lead wire (blank)

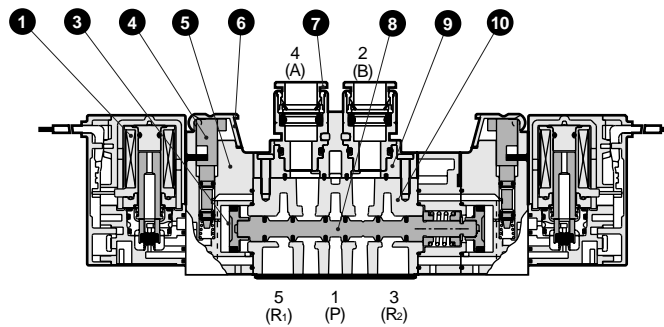
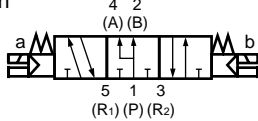
All ports closed



A/B/R connection



P/A/B connection



Main part list

No.	Parts name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Nitrile rubber
3	Piston D assembly	-
4	Manual override	Resin
5	Piston room	Resin
6	Protective cover of manual override	Resin
7	Cartridge type quick connector	-
8	Spool assembly	-
9	Joint adaptor	Resin
10	Body	Aluminum alloy die casting
11	Piston S assembly	-
12	Cap	Resin
13	Check valve	-
14	Valve block	Resin

Repair parts list

No.	Parts name	Model No.
1	Coil assembly	4G-[Electric connection]- * - COIL- [Voltage] Blank: Standard A: Ozone proof
7	Cartridge type quick connector and related parts	4 dia. straight type 4G2-JOINT-C4
		6 dia. straight type 4G2-JOINT-C6
		8 dia. straight type 4G2-JOINT-C8 (4GA2 only)
		Plug cartridge 4G2-JOINT-CPG
-	E-connector socket assembly	4G-SOCKET ASSY-[Electric connection]-[Voltage]
-	EJ-connector socket assembly	4G-SOCKET ASSY-[Electric connection]
-	DIN terminal box assembly (4GA2 only)	4G-TERMINAL BOX-[Voltage]

4SA/B0

4SA/B1

4GA/B

MN4GA/B

4GA/B (master)

MN3S0/
MN4S0

4TB

4L2-4/
LMF0

4KA/B

4F

PV5/
CMF

3MA/B0

3PA/B

P/M/B

NP/NAP/
NVP

4F**0E

HMV/
HSV

Uniwire
system

SKH

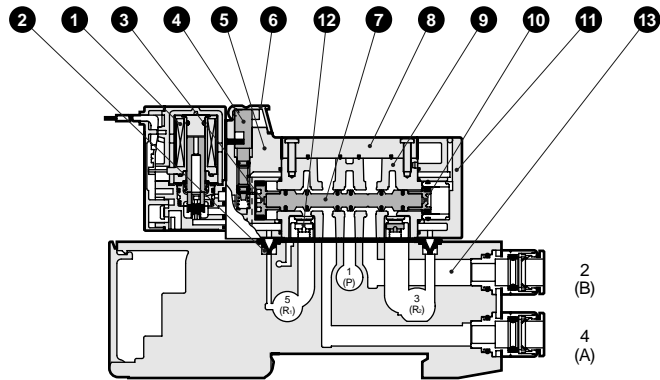
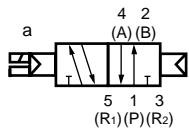
PCD/
FS/FD

3, 5 port pilot operated valve
Reduced wiring block manifold

Internal structure and part list

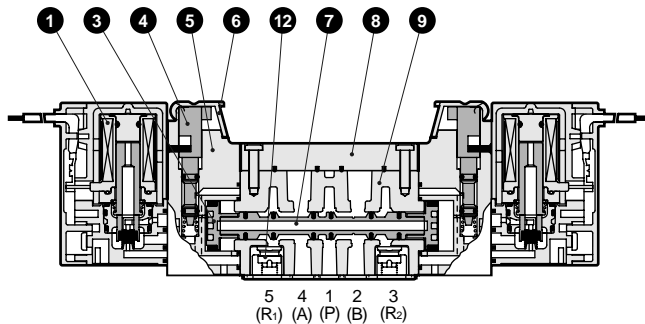
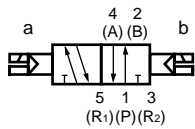
N4GB110/N4GB210

- 2-position single grommet lead wire (blank)



N4GB120/N4GB220

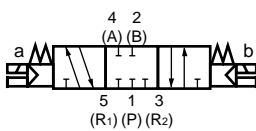
- 2-position double grommet lead wire (blank)



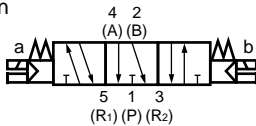
N4GB140/N4GB240

- 3-position grommet lead wire (blank)

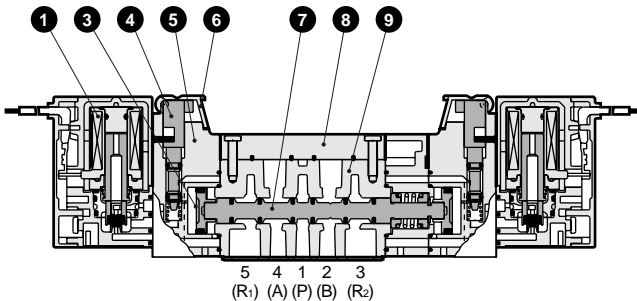
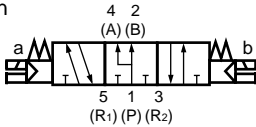
All ports closed



A/B/R connection



P/A/B connection



Main part list

No.	Parts name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Nitrile rubber
3	Piston D assembly	-
4	Manual override	Resin
5	Piston room	Resin
6	Protective cover of manual override	Resin
7	Spool assembly	-
8	Joint adaptor	Resin
9	Body	Aluminum alloy die casting
10	Piston S assembly	-
11	Cap	Resin
12	Check valve	-
13	Valve block	Resin

Repair parts list

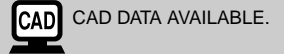
No.	Parts name	Model No.
1	Coil assembly	4G-[Electric connection]-* - COIL- [Voltage] Blank: Standard A: Ozone proof
-	E-connector socket assembly	4G-SOCKET ASSY-[Electric connection]-[Voltage]
-	EJ-connector socket assembly	4G-SOCKET ASSY-[Electric connection]
-	DIN terminal box assembly (4GB2 only)	4G-TERMINAL BOX-[Voltage]



4G1/2 mix manifold

MN3GAX12, MN4GAX12 MN4GBX12 series

• Applicable cylinder bore size: 20 to 80 mm

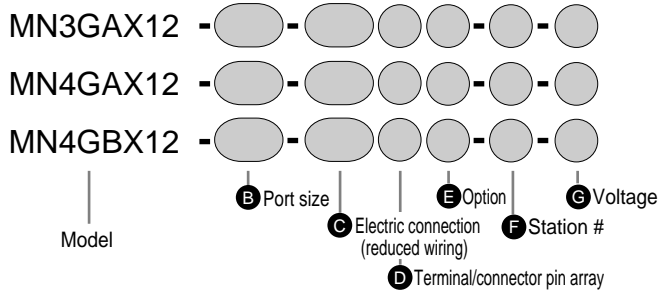


Specifications

Common with each series.

For individual wiring, refer to P.248 (body porting) or P.254 (sub base porting), while for reduced wiring, refer to P.260 (body porting) or P.274 (sub base porting).

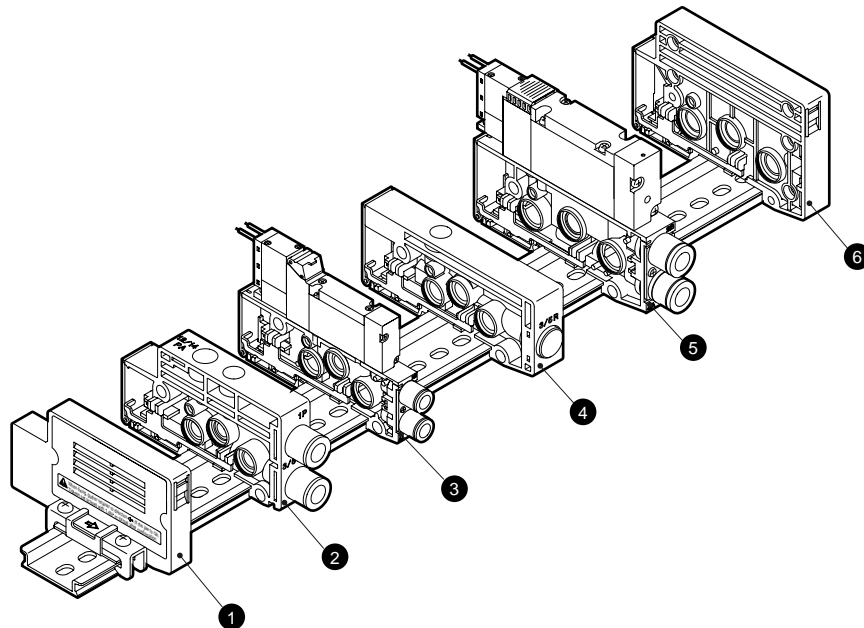
How to order



• Series model No. is "MN * G * X12-". Other descriptions are common with example of model number of other series.

For individual wiring, refer to P.249 (body porting) or P.255 (sub base porting), while for reduced wiring, refer to P.262, 263 (body porting) or P.276, 277 (sub base porting).

Explanation of manifold components and parts list



• Notes of 4G1/2 mix manifold

Viewed from joint, left of mix block is 4G1 series, while right is 4G2 series.
(Position setting of reverse direction is not available.).

Main parts list (please refer to Page 294 to 303 about details.)

No.	Components name	Model No. (e.g.)
1	End block L	N4G1-EL
2	Supply and exhaust block	N4G1-Q-8
3	Discrete valve block with solenoid valve	N4GB110-C6-H-3
4	Mix block	N4G12-MIX
5	Discrete valve block with solenoid valve	N4GB210-C8-H-3
6	End block R	N4G2-ER

Mass

N4G12-MIX: 49g

Please refer to each series specifications about other components.

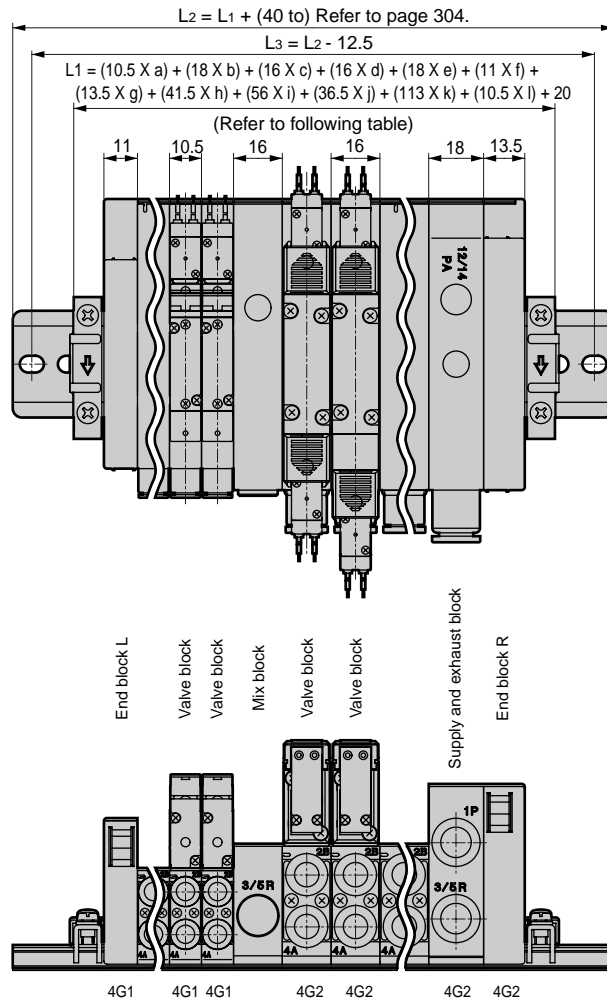
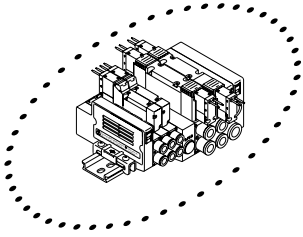
Mix block: Dimensions

Unit: mm

MN4GBX12

Note: Please refer to (MN4GA: Page 251 -, MN4GB: Page 257 -) about E-connector/EJ-connector/DIN terminal boxes.

Note: Please refer to Page 287 about CL* push in joint radial type (upward).



This figure is one of examples of mix manifold. Other combinations are available. Dimensions are as following. Refer or the previous page to assemble them.

Parts name	Dimensions
a : 4G1 valve block quantity	10.5 X a
b : 4G2 valve block quantity	16 X b
c : Mix block quantity	16 X c
d : 4G1 supply and exhaust block quantity	16 X d
e : 4G2 supply and exhaust block quantity	18 X e
f : 4G1 end block L quantity	11 X f
g : 4G2 end block R quantity	13.5 X g
h : 4G1/2 reduced wiring T30/T5* quantity	41.5 X h
i : 4G1/2 reduced wiring T10 quantity	56 X i
j : 4G1/2 reduced wiring T7* quantity	36.5 X j
k : 4G1/2 reduced wiring T6* quantity	113 X K
l : 4G1/2 partition block quantity	10.5 X l

Note 1 : Mix block is always inserted between 4G1 and 4G2.
 Note 2 : Max. station number is 20 station.

4SA/B0

4SA/B1

4GA/B

MN4GA/B

4GA/B
(master)

MN3S0/
MN4S0

4TB

4L2-4/
LMF0

4KA/B

4F

PV5/
CMF

3MA/B0

3PA/B

P/M/B

NP/NAP/
NVP

4F**0E

HMV/
HSV

Uniwire
system

SKH

PCD/
FS/FD

3, 5 port pilot operated valve
Mix manifold

Block manifold: Block parts construction

Flexible block structure enables easy increase/decrease of station and easy maintenance.

- **Valve block with solenoid valve**

- (1) Install required type and quantity of solenoid valves on DIN rail.
Station No. is decided according to electric connection method. (Refer to Page 260, 274.)
- (2) Viewed from joint, solenoid valve number is allocated such as station 1.2.3...

- **Supply/exhaust block**

- (1) Install required quantity onto block connections.
- (2) Both internal and external pilot types are available. Please select the proper type according to solenoid valve type.

- **End block**

- (1) When individual wiring specifications, install the block on the both sides.
- (2) When reduced wiring specifications, install the block at the opposite side of wiring block.

- **Partition block**

- (1) When multi-pressure specifications, install the block with supply/exhaust block.

- **Mix block**

- (1) When mix manifold of 4G1 and 4G2 on the same DIN rail, install the mix block.
Effect of reduced piping is obtained.

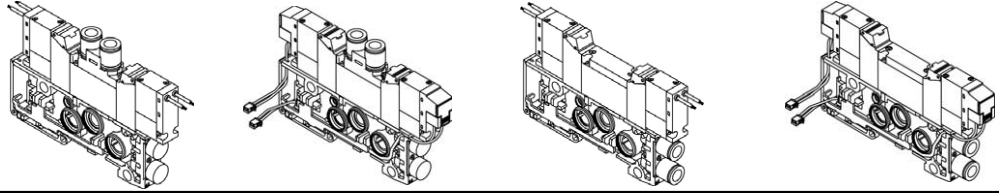
Block manifold structure

Piping section

Piping block

A Discrete valve block with solenoid valve

- Body porting for individual wiring
- Body porting for reduced wiring
- Sub base porting for individual wiring
- Sub base porting for reduced wiring

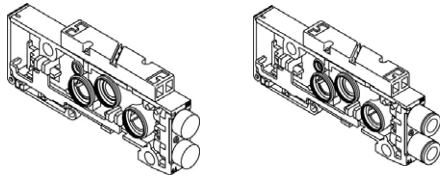


4SA/B0

4SA/B1

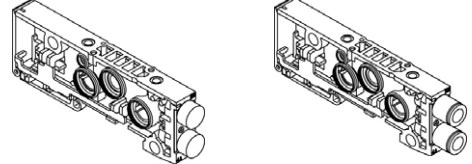
B Discrete valve block with masking plate

- Body porting
- Sub base porting



C Discrete valve block

- Body porting
- Sub base porting



4GA/B

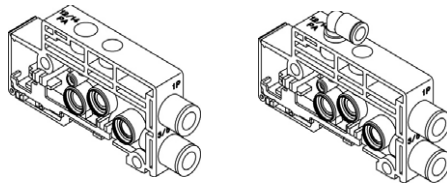
MN4GA/B

4GA/B (master)

MN3S0/ MN4S0

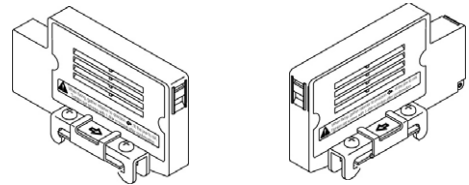
D Supply and exhaust block

- Internal pilot operated
- External pilot



E End block

- Left
- Right



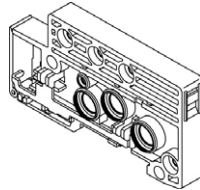
4TB

4L2-4/ LMFO

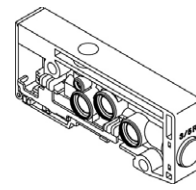
4KA/B

4F

F Partition block



G Mix block



PV5/ CMF

3MA/B0

3PA/B

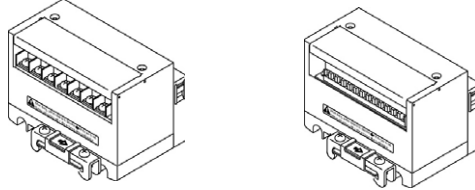
P/M/B

Wiring section

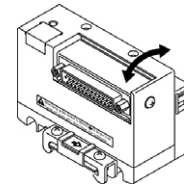
Wiring block

H Common gland block

- M3
- Push in fitting



I D-sub connector block



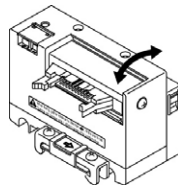
NP/NAP/ NVP

4F**0E

HMV/ HSV

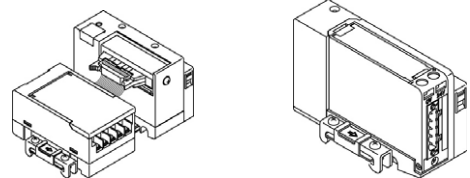
Uniwire system

J Flat cable connector block



K Serial transmission block

- Connector type
- Thin slot type



SKH

PCD/ FS/FD

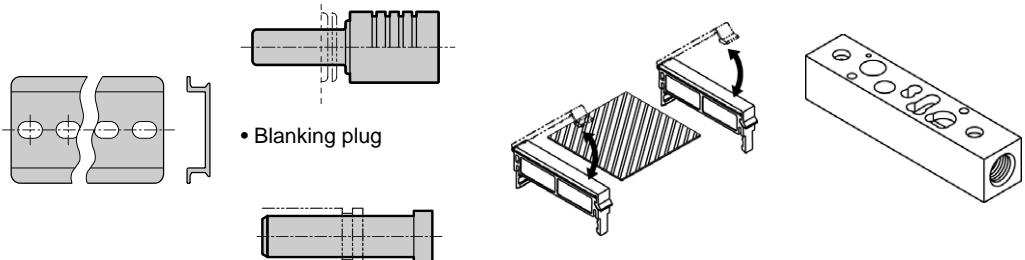
Block manifold

Related products

Related products

L Related products

- Mounting rail
- Silencer
- Tag plate
- Air supply spacer (4G2 only)



3, 5 port pilot operated valve

MN4GA/4GB Series

Block manifold: Piping section

Piping section

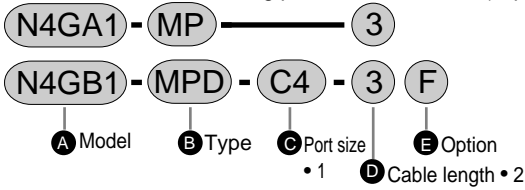
A. Discrete valve block with solenoid valve

This block is assembled with solenoid valve and valve block (separated resin base).
Please refer to the following page about selection guide.

- Body porting individual wiring : Page 249
- Sub base porting individual wiring : Page 255
- Body porting reduced wiring : Page 262, 263
- Sub base porting reduced wiring : Page 276, 277

B. Discrete valve block with masking plate

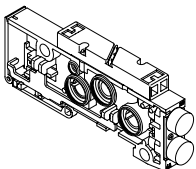
Block assembled with masking plate and valve block (separated resin base)



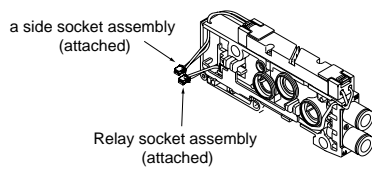
A Model	B Type		C Port size (only for 4GB1/4GB2) • 1		D Cable length • 2		E Option		
					Blank	Individual wiring	Blank	No option	
N4GA1	MP	Individual wiring	C4	4 mm push in joint	2 to 10	Refer to Page 297 to decide length.	F	Filter incorporated in Port A/B	
N4GA2	MPS	Reduced wiring single	C6	6 mm push in joint					
N4GB1	MPD	Reduced wiring double/3-position	C8	8 mm push in joint (4GB2 only)					
N4GB2			CL4	4 mm push in joint radial type (upward) (4GB1 only)	• 2. When purchasing for expansion of reduced wiring manifold, socket assembly is attached. Refer to the following page to select cable length, and fill out cable length. When placing order with the manifold specification sheet, cable length is not required.				
			CL6	6 mm push in joint radial type (upward)					
			CL8	8 mm push in joint (4GB2 only)					
			Single plug specifications						
			C4NC	4 mm push in joint					Plug
			C6NC	6 mm push in joint					
			C8NC	8 mm push in joint (4GB2 only)					
			C4NO	Plug					4 mm push in joint
			C6NO						6 mm push in joint
			C8NO						8 mm push in joint (4GB2 only)
			CL4NC	4 mm push in joint radial (upward) (4GB1 only)					Plug
			CL6NC	6 mm push in joint radial (upward)					
			CL8NC	8 mm push in joint radial (upward)					
			CL4NO	Plug					4 mm push in joint radial (upward) (4GB1 only)
			CL6NO						6 mm push in joint radial (upward)
			CL8NO		8 mm push in joint radial (upward) (4GB2 only)				

• 1. CL* push in joint radial type (upward) is available only for single solenoid.

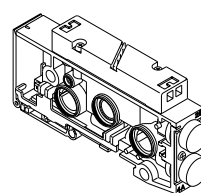
N4GA1-MP



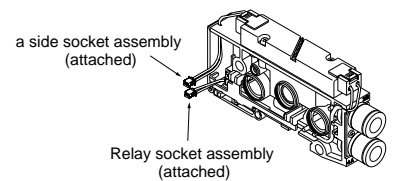
N4GB1-MPD-C4-3



N4GA2-MP



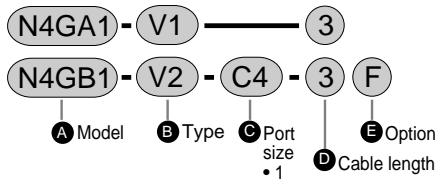
N4GB2-MPD-C6-5



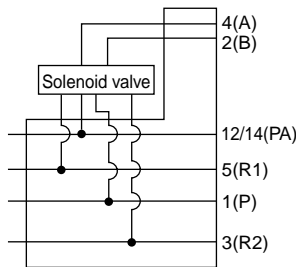
Piping section

C. Discrete valve block

Discrete valve block (separated resin base).



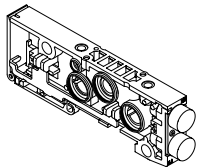
A Model	B Type	C Port size (only for 4GB1/4GB2) • 1	D Cable length	E Option
N4GA1	V1	Individual wiring	C4 4 mm push in joint	Blank Individual wiring
N4GA2		Reduced wiring single	C6 6 mm push in joint	Blank No option
N4GB1	V2	Reduced wiring double/3-position	C8 8 mm push in joint (4GB2 only)	F Filter incorporated in Port A/B
N4GB2		CL4 4 mm push in joint radial type (upward) (4GB1 only)	CL6 6 mm push in joint radial type (upward)	CL8 8 mm push in joint (4GB2 only)
		Single plug specifications		
		Port A	Port B	
		C4NC 4 mm push in joint	Plug	
		C6NC 6 mm push in joint		
		C8NC 8 mm push in joint (4GB2 only)		
		C4NO	Plug	4 mm push in joint
		C6NO		6 mm push in joint
		C8NO		8 mm push in joint (4GB2 only)
		CL4NC 4 mm push in joint radial (upward) (4GB1 only)	Plug	
		CL6NC 6 mm push in joint radial (upward)		
		CL8NC 8 mm push in joint radial (upward)		
		CL4NO	Plug	4 mm push in joint radial (upward) (4GB1 only)
		CL6NO		6 mm push in joint radial (upward)
		CL8NO		8 mm push in joint radial (upward) (4GB2 only)



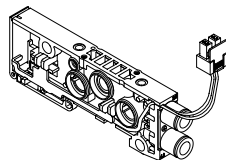
Discrete valve block circuit diagram

• 1. CL* push in joint radial type (upward) is available only for single solenoid.

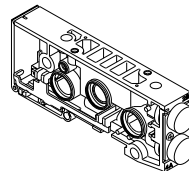
N4GA1-V1



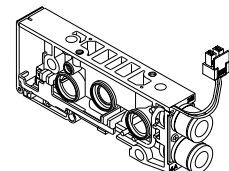
N4GB1-V2-C4



N4GA2-V1



N4GB2-V2-C6



Valve block cable length for expansion

Find Distance W between expansion position and wiring block (Fig.1), and refer to <<Table 1>> to select adequate cable length.

Socket assemblies of Solenoid a and b are different.

Fig.1 shows left specifications wiring block. In the case of right specifications, calculate Distance W between expansion position and wiring block as well as left specifications.

Calculation of W

• When MN4G1

$$W = (10.5xn) + (16xm) + (10.5xl)$$

• When MN4G2

$$W = (16xn) + (18xm) + (10.5xl)$$

n : Valve block quantity, m: Supply/exhaust block quantity,
l : Partition block quantity

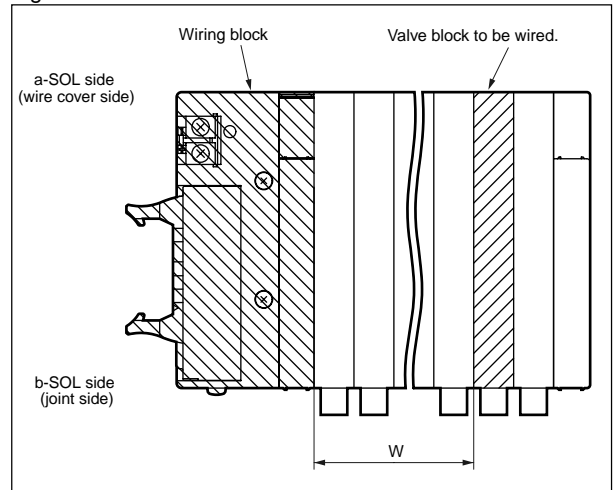
• When MN4GX

When calculation, width of mix block should be 16.

<<Table 1>> W length - selection No. table

Selection No.	Wire type		
	T10/11(R)	T30/5*/6*(R)	T7*
2		0	25 or less
3	20 or less	0 to 30	25 to 55
4	20 to 70	30 to 80	55 to 105
5	70 to 120	80 to 130	105 to 155
6	120 to 170	130 to 180	155 to 205
7	170 to 260	180 to 270	205 to 295
8	260 to 350	270 to 360	295 to 385
9	350 to 450	360 to 460	385 to 485
10	450 to 570	460 to 580	485 to 605

Fig.1



4SA/B0

4SA/B1

4GA/B

MN4GA/B

4GA/B (master)

MN3S0/ MN4S0

4TB

4L2-4/ LMFO

4KA/B

4F

PV5/ CMF

3MA/B0

3PA/B

P/M/B

NP/NAP/ NVP

4F**0E

HMV/ HSV

Uniwire system

SKH

PCD/ FS/FD

Block manifold

3, 5 port pilot operated valve

MN4GA/4GB Series

Block manifold: Piping section

Piping section

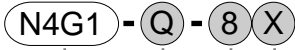
Some combination may cause malfunctions. Please select blocks after understanding each block function.

D. Supply/exhaust block

Supply/exhaust block can be installed at any location adjacent to the valve block.

When selecting combination with partition block or increasing supply and exhaust flow rate, install more than 2 units.

To prevent foreign matter entering, filter is incorporated in Port P.



Model A Type B Port size C Exhaust air

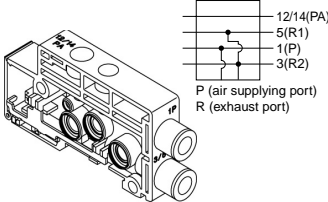
A Type	B Port size	C Exhaust air
Q Internal pilot	6 6 mm push in joint	Blank Common exhaust
QK External pilot	6L 6 mm push in joint Up	X Atmospheric release
	6.4 6.4 mm push in joint	(When X, for end block, select option of atmospheric release.)
	6.4L 6.4 mm push in joint Up	
	8 8 mm push in joint	
	8L 8 mm push in joint Up	



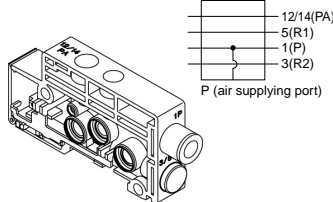
Model A Type B Port size C Exhaust air

A Type	B Port size	C Exhaust air
Q Internal pilot	8 8 mm push in joint	Blank Common exhaust
QK External pilot	8L 8 mm push in joint Up	X Atmospheric release
	10 10 mm push in joint	(When X, for end block, select option of atmospheric release.)
	10L 10 mm push in joint Up	

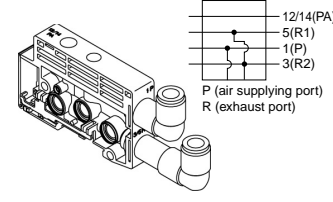
N4G1-Q-8



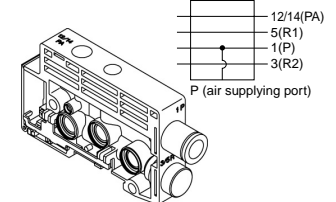
N4G1-Q-8X



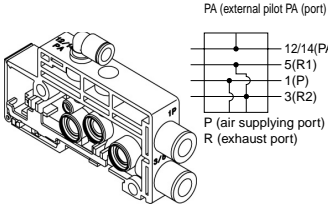
N4G2-Q-10L



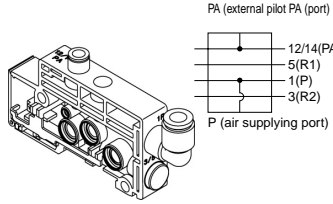
N4G2-Q-10X



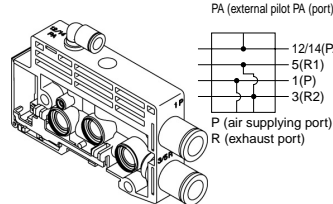
N4G1-QK-8



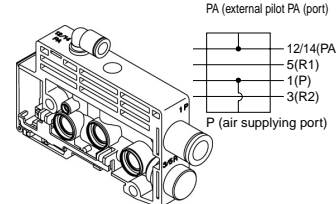
N4G1-QK-8LX



N4G2-QK-10



N4G2-QK-10X



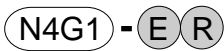
• External pilot port: 6 mm dia. push in joint

• External pilot port: 6 mm dia. push in joint

E. End block

When individual wiring, for install manifold of both ends. When reduced wiring, install the block on the opposite side of wiring block.

For atmospheric release type, muffler is incorporated.

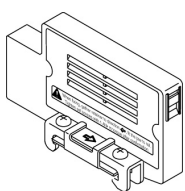


Model A Type B Installation location

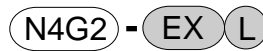
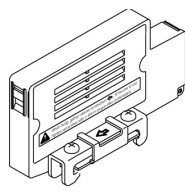
Common exhaust type	Atmospheric release type
X 12/14(PA)	X 12/14(PA)
X 5(R1)	X 5(R1)
X 1(P)	X 1(P)
X 3(R2)	X 3(R2)

A Type	B Installation location
E Common exhaust	L For left side
EX Atmospheric release	R For right side

N4G1-EL



N4G1-ER

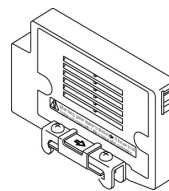


Model A Type B Installation location

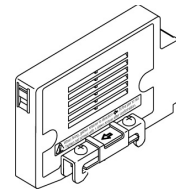
Common exhaust type	Atmospheric release type
X 12/14(PA)	X 12/14(PA)
X 5(R1)	X 5(R1)
X 1(P)	X 1(P)
X 3(R2)	X 3(R2)

A Type	B Installation location
E Common exhaust	L For left side
EX Atmospheric release	R For right side

N4G2-EL



N4G2-ER



Piping section

F. Partition block

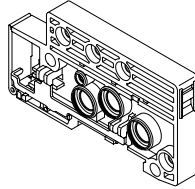
Combining partition block and supply/exhaust block enables multi-pressure mix manifold and prevents back pressure increase.

N4G1 - S

Model **A** Type

N4G1-S

A Type	
SA	P/R/PA not go
S	P/R not go, PA go
SP	P not go, R/PA go
SE	R not go, P/PA go

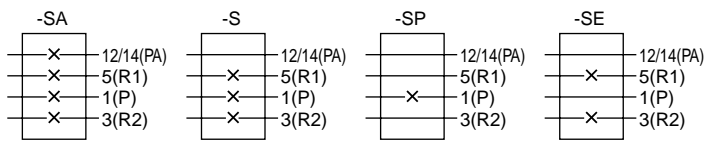
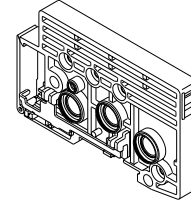


N4G2 - SA

Model **A** Type

N4G2-S

A Type	
SA	P/R/PA not go
S	P/R not go, PA go
SP	P not go, R/PA go
SE	R not go, P/PA go

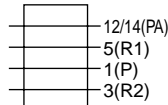
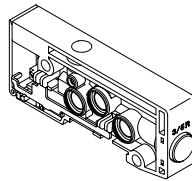


G. Mix block

When mix manifold of 4G1 and 4G2, this block will be installed.

4G1 is installed at left side of mix block, while 4G2 is installed at right side.

N4G12 - MIX



4SA/B0

4SA/B1

4GA/B

MN4GA/B

4GA/B (master)

MN3S0/
MN4S0

4TB

4L2-4/
LMFO

4KA/B

4F

PV5/
CMF

3MA/B0

3PA/B

P/M/B

NP/NAP/
NVP

4F**0E

HMV/
HSV

Uniwire
system

SKH

PCD/
FS/FD

3, 5 port pilot operated valve
Block manifold

MN4GA/4GB Series

Block manifold: Wiring section

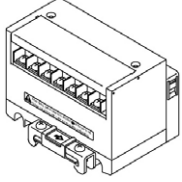
Wiring section

(Wiring block) * When placing an order, discrete wiring block is not available.

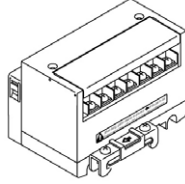
H. Common gland block

M3 thread

N4G1-T10

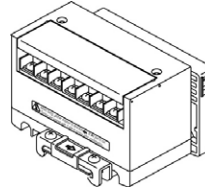


N4G1-T10R

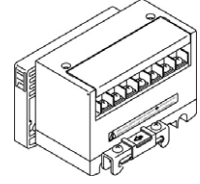


M3 thread

N4G2-T10

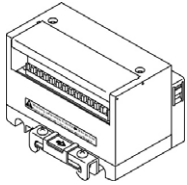


N4G2-T10R

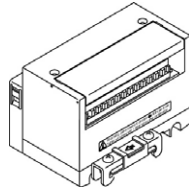


Push in fitting

N4G1-T11

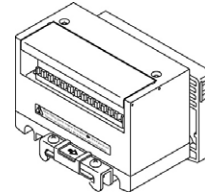


N4G1-T11R

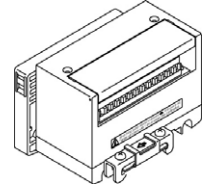


Push in fitting

N4G2-T11

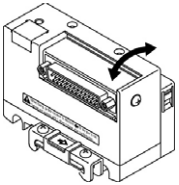


N4G2-T11R

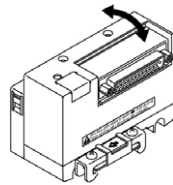


I. D-sub connector block

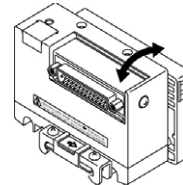
N4G1-T30



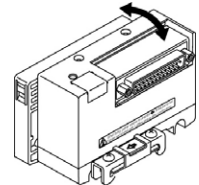
N4G1-T30R



N4G2-T30



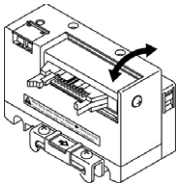
N4G2-T30R



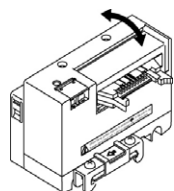
J. Flat cable connector block

• Power supply terminal

N4G1-T50

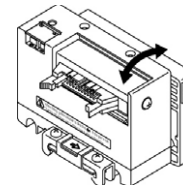


N4G1-T50R

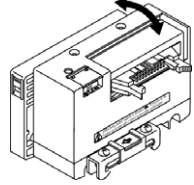


• Power supply terminal

N4G2-T50

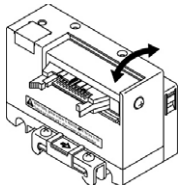


N4G2-T50R

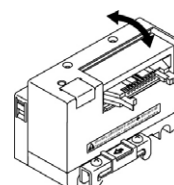


• No power supply terminal

N4G1-T51 (N4G1-T52)
(N4G1-T53)

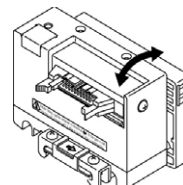


N4G1-T51R (N4G1-T52R)
(N4G1-T53R)

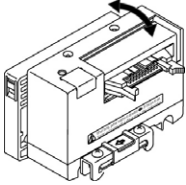


• No power supply terminal

N4G2-T51 (N4G2-T52)
(N4G2-T53)



N4G2-T51R (N4G2-T52R)
(N4G2-T53R)



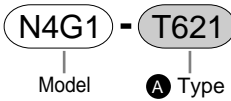
• For T52, T53, pin quantity is different from the figure.

Wiring section

(Wiring block) * When placing an order, discrete wiring block is not available.

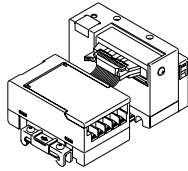
K. Serial transmission block

• Connector type



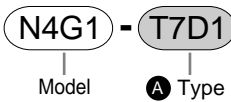
A Type N4G1-T6*

T621	OMRON SYSBUS/multi link
T631	mitsubishi MELSEC NET/mini-S3
T6A0/1	uniwire SYSTEM 8 points/16 points
T6C0/1	OMRON CompoBus/S 8 points/16 points
T6G1	MITSUBISHI CC-Link
T6E0/1	SUNX S-LINK 8 points/16 points
T6J0/1	uniwire H SYSTEM 8 points/16 points
T6K1	KEYENCE KZ-R



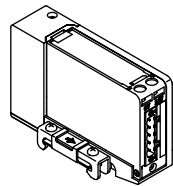
- T6C0/1 is not compatible with long distance communication mode.

• Thin slot type

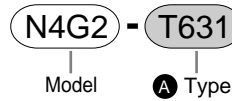


A Type N4G1-T7*

T7C0/1	OMRON CompoBus/S 8 points/16 points DeviceNet (OMRON CompoBus/D)
T7E0/1	SUNX S-LINK 8 points/16 points
T7G1	MITSUBISHI CC-Link
T7L1	SAVE NET

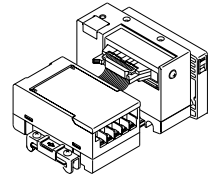


- Cable connector is attached.

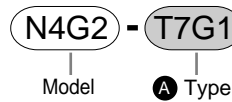


A Type N4G2-T6*

T621	OMRON SYSBUS/multi link
T631	mitsubishi MELSEC NET/mini-S3
T6A0/1	uniwire SYSTEM 8 points/16 points
T6C0/1	OMRON CompoBus/S 8 points/16 points
T6G1	MITSUBISHI CC-Link
T6E0/1	SUNX S-LINK 8 points/16 points
T6J0/1	uniwire H SYSTEM 8 points/16 points
T6K1	KEYENCE KZ-R

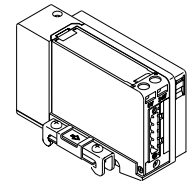


- T6C0/1 is not compatible with long distance communication mode.



A Type N4G2-T7*

T7C0/1	OMRON CompoBus/S 8 points/16 points DeviceNet (OMRON CompoBus/D)
T7E0/1	SUNX S-LINK 8 points/16 points
T7G1	MITSUBISHI CC-Link
T7L1	SAVE NET



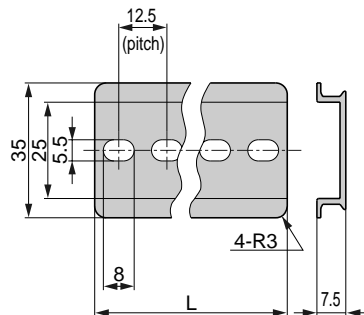
- Cable connector is attached.

Related products

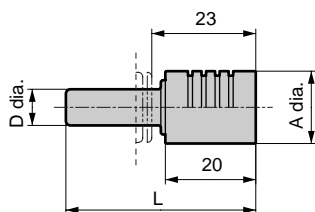
Mounting rail, silencer, blanking plug

• Mounting rail

N4G-BAA <length>

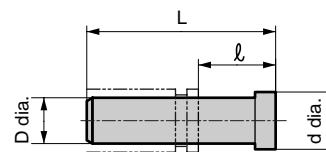


• Silencer



Model No.	D	L	A
SLW-H6	6 dia.	41	16
SLW-H8	8 dia.	42	16
SLW-H10	10 dia.	53	20

• Blanking plug



Model No.	D	L	l	d
JOINT GWP4-B	4 dia.	27	9	6
JOINT GWP6-B	6 dia.	29	11	8
JOINT GWP8-B	8 dia.	33	13.5	10
JOINT GWP10-B	10 dia.	40	17	12

4SA/B0

4SA/B1

4GA/B

MN4GA/B

4GA/B
(master)

MN3S0/
MN4S0

4TB

4L2-4/
LMF0

4KA/B

4F

PV5/
CMF

3MA/B0

3PA/B

P/M/B

NP/NAP/
NVP

4F**0E

HMV/
HSV

Uniwire
system

SKH

PCD/
FS/FD

Block manifold

3, 5 port pilot operated valve

MN4GA/4GB Series

Block manifold: Related products

Related products

- **Tag plate** Attached to manifold body.
If necessary, circle the tag plate column of manifold specifications on Page 306 to 309.

<Tag holder>

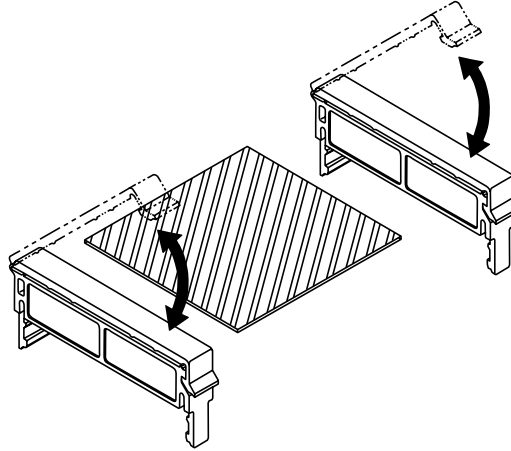
N4G1 - Tag holder

A Model

N4G1

N4G2

(2 pcs./set.)



<Tag plate>

N4G1 - Tag plate A - Length ^{Note 1}

A Model	B Type	C Length (mm) ^{Note 1}
N4G1	Tag plate A	4GA1/2 common
	Tag plate B1	Wide type for 4GB1
	Tag plate B2	Narrow type for 4GB1 ^{Note 2}
N4G2	Tag plate B	4GB2

Note 1 : 3 types of length 200,300,400 are available.

Note 2 : For narrow type, even the tag plate is covered, manual operation is possible.

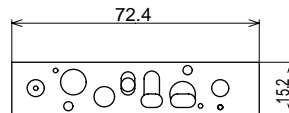
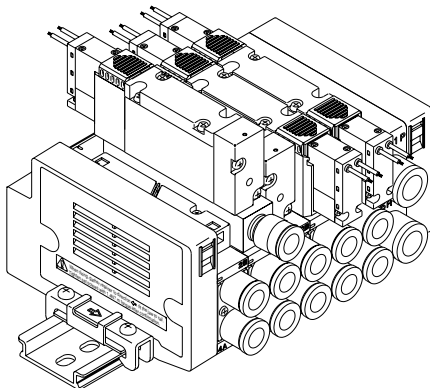
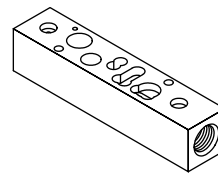
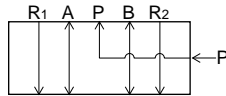
- **Individual air supplying spacer (4G2 only)**

4G2 - P - GWS6

A Port size

Blank	Rc1/8
GWS6	6 dia. joint
GWS8	8 dia. joint

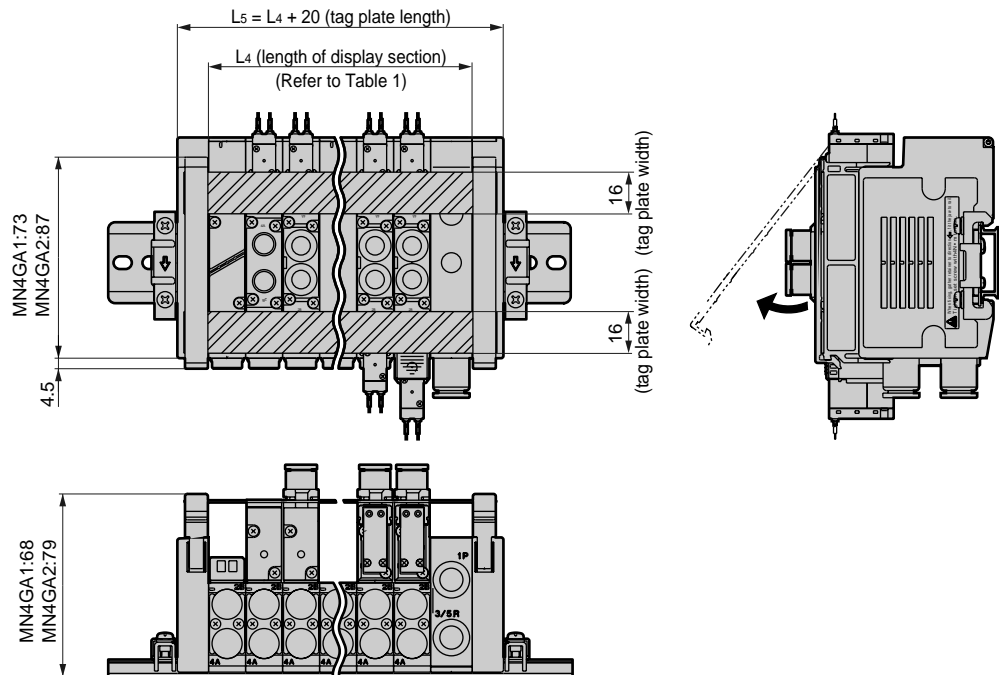
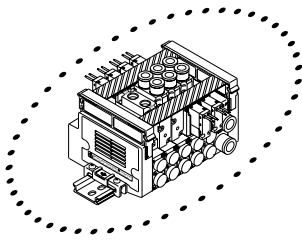
- Gasket, check valve, and set screws are attached.



Dimensions: Tag plate

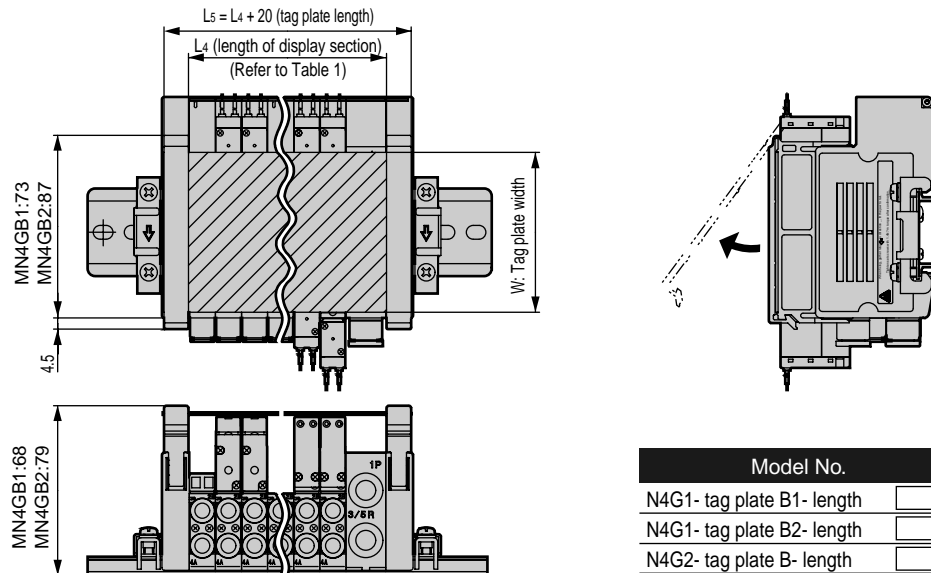
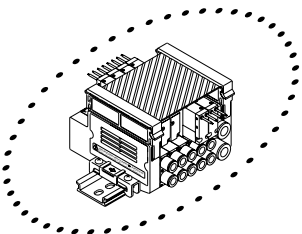
MN4GA1/2

• Tag plate (TAG)



MN4GB1/2

• Tag plate (TAG)



Model No.	W
N4G1- tag plate B1- length	64
N4G1- tag plate B2- length	30
N4G2- tag plate B- length	45

Table 1: Formula of L4 (length of display section)

4 GA		4 GB	
MN4GA1	$L_4 = (10.5 \times n) + (16 \times m) + (10.5 \times l)$	MN4GB1	$L_4 = (10.5 \times n) + (16 \times m) + (10.5 \times l)$
MN4GA2	$L_4 = (16 \times n) + (18 \times m) + (10.5 \times l)$	MN4GB2	$L_4 = (16 \times n) + (18 \times m) + (10.5 \times l)$

n : Valve block quantity

m : Supply and exhaust block quantity

l : Partition block quantity

4SA/B0

4SA/B1

4GA/B

MN4GA/B

4GA/B (master)

MN3S0/
MN4S0

4TB

4L2-4/
LMF0

4KA/B

4F

PV5/
CMF

3MA/B0

3PA/B

P/M/B

NP/NAP/
NVP

4F**0E

HMV/
HSV

Uniwire
system

SKH

PCD/
FS/FD

3, 5 port pilot operated valve
Block manifold

MN4GA/4GB Series

Manifold specification sheet

How to fill out block manifold MN4G series manifold specification sheet

- Manifold model No. (e.g.)

MN **4** GA1 **8** 0- **CX** - **T50** **W** **H** - **8** - **3**

Model A Solenoid position B Port size C Electric connection (reduced wiring) D Terminal/connector pin array (Note: Complete the form when reduced wiring). E Option F Station # G Voltage

When filling out the form, refer to "block parts construction" (Page 294 to 303) to select model number.

Part name	Model No.	Allocation																														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 (Page 300,301)	N4GA1 [50]	<input checked="" type="checkbox"/>																																		1
Valve block with solenoid valve (Page 296)	N4GA1 [1] 0-[C4]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																																2	
	N4GA1 [2] 0-[C6]					<input checked="" type="checkbox"/>																													1	
	N4GA1 [3] 0-[C4]				<input checked="" type="checkbox"/>																														1	
	N4GA1 [] 0-[]																																			
	N4GA1 [] 0-[]																																			
	N4GA1 [] 0-[C4]																																			
	N3GA1 [1] 0-[]											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																					3	
N3GA1 [] 0-[]																																				
Valve block with masking plate (Page 296)	N4GA1-MP																																			
	N4GA1-MPS																																			
	N4GA1-MPD								<input checked="" type="checkbox"/>																											1
Supply and exhaust block (Page 298)	N4G1-Q [] - [8L]							<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>																						2	
	N4G1-Q [] - []																																			
	N4G1-Q [] - []																																			
Partition block (Page 299)	N4G1-S [A]									<input checked="" type="checkbox"/>																									1	
	N4G1-S []																																			
End block (Page 298)	N4G1-E [R]																																		1	
Mounting rail	L2= []	Blanking plug										Silencer										Tag plate (attached)		Accessories												
	(How to find length following)	GWP4-B			GWP6-B			GWP8-B				SLW-H6					SLW-H8					A	<input checked="" type="checkbox"/>													

- Circuit diagram of above manifold model No. (example) is listed on the following page. <Reference>

- About mounting rail length (L2)

(1) Find rail length according to following calculation method.

The found length is standard length.

(2) When standard length, it is not necessary to indicate length (L2) on the specification sheet.

When optional length is required, complete the form.

- How to find mounting rail length

$$\text{Manifold length (L}_1\text{)} = (\text{A} \times \text{n}) + (\text{B} \times \text{m}) + (\text{C} \times \text{l}) + \text{D} + \text{E}$$

$$\text{Mounting rail length (L}_2\text{)} = \text{L}_2' \times 12.5$$

$$\text{L}_2': \frac{\text{L}_1 + 40}{12.5} \rightarrow \text{round up at the decimal point}$$

$$\text{Rail mount pitch (L}_3\text{)} = \text{L}_2 - 12.5$$

- DIN rail length quick reference

L1: Manifold length		85	97.5	110	122.5	135	147.5	160	172.5	185	197.5	210	222.5	235	247.5	260	272.5	285	297.5	310	322.5	335	347.5	
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	
L2: Rail length	85 or less	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
	97.5 or less	110	122.5	135	147.5	160	172.5	185	197.5	210	222.5	235	247.5	260	272.5	285	297.5	310	322.5	335	347.5	360		
L3: Pitch		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
		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

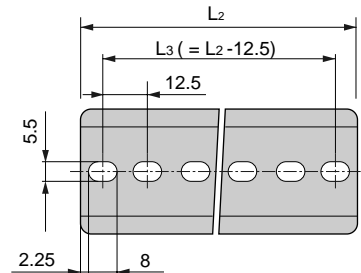
n, m and l show usage of each block.

n: Valve block, m: Supply/exhaust block, l: Partition block

A/B/C/D/E show each block length (width).

		MN4GA/B1	MN4GA/B2	MN4G1/2MIX		
				MN4GA/B1	MN4GA/B2	
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	42	47	44.5		
	For reduced wiring block	T10/T11	87	89.5	89.5	
		T10R/T11R	87	89.5	87	
		T30/T5*	72.5	75	75	
		T30R/T5*R	72.5	75	72.5	
		T6*	144	146.5	146.5	
	T7*	67.5	70	70		
E	Mix block				16	

- End block is included in wiring block.



Note 1. When L1 is out of range on this table, refer to "how to find mounting rail length".

How to fill out wiring specifications sheet.

• Wiring specifications (e.g.)

* The following example is filled according to manifold specification sheet on the previous page.

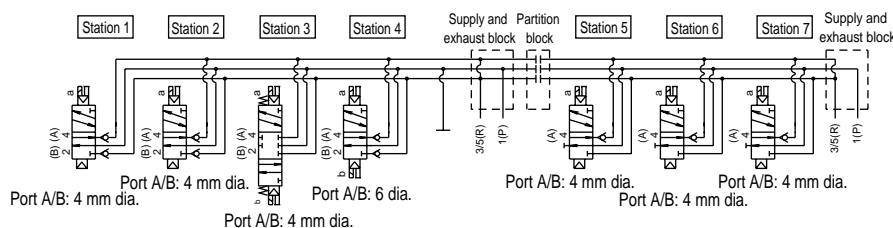
Connector pin No.				Valve No.																							
T50/T50R	T51/T51R	T52/T52R	T53/T53R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	1	1	1	a																							
2	2	2	2		a																						
3	3	3	3				a																				
4	4	4	4				b																				
5	5	5	5					a		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

* When T50/T50R, polarity of COM is + (plus).

• Notes of wiring specifications

- (1) When other than standard/double wiring, fill out and attach the form to manifold specification sheet. This case is custom order. Consult with CKD.
- (2) When standard wire, not required.
- (3) Viewed from port, valve No. is the number only counting valve block from left. The number is different from installation location No.
- (4) Connector pin No. and valve No. differ depending on reduced wiring method (T1*/T30/T5*/T6*/T7*). Read precautions for each reduced wiring methods (Page 336 to 350) before filling out the form.
- (5) For valve block with masking plate, wire (socket assembly) is attached. For "-MPS", A side only. For "-MPD", attached on side of A/B.
- (6) For "-MPS", double solenoid or 3 position solenoid valve cannot be assembled. For expansion, valve blocks with solenoid valve are required.
- (7) Initially, reserved wire for expansion cannot be installed. Please wire socket assembly of solenoid valve for expansion. Please refer to Page 354 about how to expand station.

Reference circuit Simple circuit diagram of manifold model No. on the previous page (e.g.)



- Viewed from piping port, station No. is allocated from left.
(Wiring block/supply and exhaust block/partition block are not included in station No.)
- Refer to block part construction (P.294 to 303) and the page listing specifications and model No. in order to select model No.
- Viewed from piping port, the position is allocated from left.

4SA/B0
 4SA/B1
 4GA/B
MN4GA/B
 4GA/B (master)
 MN3S0/
 MN4S0
 4TB
 4L2-4/
 LMF0
 4KA/B
 4F
 PV5/
 CMF
 3MA/B0
 3PA/B
 P/M/B
 NP/NAP/
 NVP
 4F**0E

HMV/
 HSV
 Uniwire
 system
 SKH
 PCD/
 FS/FD
 Block manifold

3, 5 port pilot operated valve

MN4GA1 Series

Manifold specification sheet

MN4GA1 block manifold specification sheet

• Contact _____ • Quantity _____ Set _____ • Request date / / _____ Issue / / / _____

Slip No. _____ Order No. _____ Your company name _____

• Manifold model No. _____

MN GA1 0- - - - Order No. _____

Model Solenoid position Port size Electric connection (reduced wiring) Terminal/connector pin array (Note: Complete the form when reduced wiring). Option Station # Voltage

When filling out the form, refer to "block parts construction" (Page 294 to 303) to select model number.

Part name (Page)	Model No.	Allocation																												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
Wiring block (Page 300,301)																															
Valve block with solenoid valve (Page 296)	N4GA1	0-																													
	N4GA1	0-																													
	N4GA1	0-																													
	N4GA1	0-																													
	N4GA1	0-																													
	N4GA1	0-																													
	N3GA1	0-																													
	N3GA1	0-																													
Valve block with masking plate (Page 296)	N4GA1-MP																														
	N4GA1-MPS																														
	N4GA1-MPD																														
Supply and exhaust block (Page 298)	N4G1-Q	-																													
	N4G1-Q	-																													
	N4G1-Q	-																													
Partition block (Page 299)	N4G1-S																														
	N4G1-S																														
	N4G1-S																														
End block (Page 298)	N4G1-E																														
	N4G1-E																														
Mounting rail	L2= <input type="text"/> <small>(How to find length Page 304)</small>	Blanking plug						Silencer						Tag plate (attached)		Accessories															
		GWP4-B	GWP6-B	GWP8-B	SLW-H6	SLW-H8	A																								

MN4GB1 block manifold specification sheet

• Contact _____ • Quantity _____ Set _____ • Request date / / _____ Issue / / / _____

Slip No. _____ Order No. _____

Your company name _____

• Manifold model No.

MN4GB1 0- - - -

Model **A** Solenoid position **B** Port size **C** Electric connection (reduced wiring) **D** Terminal/connector pin array (Note: Complete the form when reduced wiring). **E** Option **F** Station # **G** Voltage

Contact _____ 4SA/B0

Order No. _____ 4SA/B1

When filling out the form, refer to "block parts construction" (Page 294 to 303) to select model number.

Part name (Page)	Model No.	Allocation																														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 (Page 300,301)	N4G1-T																																
Valve block with solenoid valve (Page 296)	N4GB1 0-																																
	N4GB1 0-																																
	N4GB1 0-																																
	N4GB1 0-																																
	N4GB1 0-																																
	N4GB1 0-																																
	N4GB1 0-																																
Valve block with masking plate (Page 296)	N4GB1-MP-																																
	N4GB1-MPS-																																
	N4GB1-MPD-																																
Supply and exhaust block (Page 298)	N4G1-Q -																																
	N4G1-Q -																																
	N4G1-Q -																																
Partition block (Page 299)	N4G1-S																																
	N4G1-S																																
	N4G1-S																																
End block (Page 298)	N4G1-E																																
	N4G1-E																																
Mounting rail	L2= <input type="text"/> (How to find length Page 304)	Blanking plug						Silencer						Tag plate (attached)		Accessories																	
		GWP4-B		GWP6-B		GWP8-B		SLW-H6		SLW-H8		B1	B2																				

MN4GA/B

4GA/B (master)

MN3S0/ MN4S0

4TB

4L2-4/ LMF0

4KA/B

4F

PV5/ CMF

3MA/B0

3PA/B

P/M/B

NP/NAP/ NVP

4F**0E

HMV/ HSV

Uniwire system

SKH

PCD/ FS/FD

3, 5 port pilot operated valve
Block manifold

MN4GA2 Series

Manifold specification sheet

MN4GA2 block manifold specification sheet

• Contact • Quantity Set • Request date / / Issue / / /
 Slip No. Order No. Your company name

• Manifold model No.
 MN GA2 0- - - -
 Model Ⓐ Solenoid position Ⓑ Port size Ⓒ Electric connection (reduced wiring) Ⓓ Terminal/connector pin array (Note: Complete the form when reduced wiring) Ⓔ Option Ⓕ Station # Ⓖ Voltage

When filling out the form, refer to "block parts construction" (Page 294 to 303) to select model number.

Part name (Page)	Model No.	Allocation																												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 (Page 300,301)	N4G2-T																															
Valve block with solenoid valve (Page 296)	N4GA2	0-																														
	N4GA2	0-																														
	N4GA2	0-																														
	N4GA2	0-																														
	N4GA2	0-																														
	N4GA2	0-																														
	N3GA2	0-																														
Valve block with masking plate (Page 296)	N4GA2-MP																															
	N4GA2-MPS																															
	N4GA2-MPD																															
Individual air supplying spacer (Page 302)	4G2-P-																															
	4G2-P-																															
Supply and exhaust block (Page 298)	N4G2-Q	-																														
	N4G2-Q	-																														
	N4G2-Q	-																														
Partition block (Page 299)	N4G2-S																															
	N4G2-S																															
	N4G2-S																															
End block (Page 298)	N4G2-E																															
	N4G2-E																															
Mounting rail	L2= <input type="text"/> <small>(How to find length Page 304)</small>	Blanking plug						Silencer						Tag plate (attached)						Accessories												
		GWP4-B			GWP8-B			SLW-H8			A																					
		GWP6-B			GWP10-B			SLW-H10																								

MN4GB2 block manifold specification sheet

• Contact _____ • Quantity _____ Set _____ • Request date / / _____ Issue / / / _____

Slip No. _____ Order No. _____

Your company name _____

• Manifold model No. _____

MN4GB2 0- - - - -

Model Ⓐ Solenoid position Ⓑ Port size Ⓒ Electric connection (reduced wiring) Ⓓ Terminal/connector pin array (Note: Complete the form when reduced wiring). Ⓔ Option Ⓕ Station # Ⓖ Voltage

When filling out the form, refer to "block parts construction" (Page 294 to 303) to select model number.

Part name (Page)	Model No.	Allocation																														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 (Page 300,301)	N4G2-T																																MN4GA/B
Valve block with solenoid valve (Page 296)	N4GB2	0-																														4GA/B (master)	
	N4GB2	0-																														MN3S0/ MN4S0	
	N4GB2	0-																														4TB	
	N4GB2	0-																														4L2-4/ LMF0	
	N4GB2	0-																														4KA/B	
	N4GB2	0-																														4F	
	N4GB2	0-																														PV5/ CMF	
	N4GB2	0-																															3MA/B0
Valve block with masking plate (Page 296)	N4GB2-MP-																															3PA/B	
	N4GB2-MPS-																															P/M/B	
	N4GB2-MPD-																															NP/NAP/ NVP	
Individual air supplying spacer (Page 302)	4G2-P-																															4F**0E	
	4G2-P-																															HMV/ HSV	
Supply and exhaust block (Page 298)	N4G2-Q	-																														Uniwire system	
	N4G2-Q	-																														SKH	
	N4G2-Q	-																														PCD/ FS/FD	
Partition block (Page 299)	N4G2-S																															3, 5 port pilot operated valve Block manifold	
	N4G2-S																																
	N4G2-S																																
End block (Page 298)	N4G2-E																																
	N4G2-E																																
Mounting rail	L2= <input type="text"/>	Blanking plug						Silencer						Tag plate (attached)						Accessories													
		GWP4-B			GWP8-B			SLW-H8			B																						
		GWP6-B			GWP10-B			SLW-H10																									
(How to find length Page 304)																																	

MN4GA1/2 Series

Manifold specification sheet

MN4GA1/2 mix manifold specification sheet

• Contact _____ • Quantity Set _____ • Request date / / _____ Issue / / / _____

Slip No. _____ Order No. _____

Your company name _____

• Manifold model No.

Contact _____

MN GAX12- - - - -

Model **A** Port size **B** Electric connection (reduced wiring) **C** Terminal/connector pin array (Note: Complete the form when reduced wiring) **D** Option **E** Station # **F** Voltage

Order No. _____

When filling out the form, refer to "block parts construction" (Page 294 to 303) to select model number.

Part name (Page)	Model No.	Allocation																												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
Wiring block (Page 300,301)	N4G <input type="text"/> -T <input type="text"/>																														
Valve block with solenoid valve (Page 296)	N4GA <input type="text"/> 0- <input type="text"/>																														
	N4GA <input type="text"/> 0- <input type="text"/>																														
	N4GA <input type="text"/> 0- <input type="text"/>																														
	N4GA <input type="text"/> 0- <input type="text"/>																														
	N4GA <input type="text"/> 0- <input type="text"/>																														
	N4GA <input type="text"/> 0- <input type="text"/>																														
	N3GA <input type="text"/> 0- <input type="text"/>																														
	N3GA <input type="text"/> 0- <input type="text"/>																														
Valve block with masking plate (Page 296)	N4GA <input type="text"/> -MP <input type="text"/>																														
	N4GA <input type="text"/> -MPS <input type="text"/>																														
	N4GA <input type="text"/> -MPD <input type="text"/>																														
Individual air supplying spacer (Page 302)	4G2-P- <input type="text"/>																														
	4G2-P- <input type="text"/>																														
Mix block (Page 299)	N4G12-MIX																														
Supply and exhaust block (Page 298)	N4G <input type="text"/> -Q <input type="text"/> - <input type="text"/>																														
	N4G <input type="text"/> -Q <input type="text"/> - <input type="text"/>																														
	N4G <input type="text"/> -Q <input type="text"/> - <input type="text"/>																														
Partition block (Page 299)	N4G <input type="text"/> S <input type="text"/>																														
	N4G <input type="text"/> S <input type="text"/>																														
	N4G <input type="text"/> S <input type="text"/>																														
End block (Page 298)	N4G <input type="text"/> E <input type="text"/>																														
	N4G <input type="text"/>																														
Mounting rail	L2= <input type="text"/> (How to find length Page 304)	Blanking plug												Silencer												Accessories					
		GWP <input type="text"/> -B	GWP <input type="text"/> -B	GWP <input type="text"/> -B	GWP <input type="text"/> -B	SLW-H <input type="text"/>	SLW-H <input type="text"/>																								

MN4GB1/2 mix manifold specification sheet

• Contact _____ • Quantity Set _____ • Request date / / _____ Issue / / / _____

Slip No. _____ Order No. _____

Your company name _____

• Manifold model No. _____

MN4GBX12- [] - [] - [] - [] - [] - []

Model A Port size B Electric connection (reduced wiring) C Terminal/connector pin array (Note: Complete the form when reduced wiring) D Option E Station # F Voltage

Contact _____ 4SA/B0

Order No. _____ 4SA/B1

When filling out the form, refer to "block parts construction" (Page 294 to 303) to select model number.

Part name	Model No.	Allocation																														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 (Page 300,301)	N4G [] -T []																																	
Valve block with solenoid valve (Page 296)	N4GB [] 0-[]																																	
	N4GB [] 0-[]																																	
	N4GB [] 0-[]																																	
	N4GB [] 0-[]																																	
	N4GB [] 0-[]																																	
	N4GB [] 0-[]																																	
	N4GB [] 0-[]																																	
Valve block with masking plate (Page 296)	N4GB [] -MP []																																	
	N4GB [] -MPS []																																	
	N4GB [] -MPD []																																	
Individual air supplying spacer (Page 302)	4G2-P- []																																	
	4G2-P- []																																	
Mix block (Page 299)	N4G12-MIX																																	
Supply and exhaust block (Page 298)	N4G [] -Q []																																	
	N4G [] -Q []																																	
	N4G [] -Q []																																	
Partition block (Page 299)	N4G [] -S []																																	
	N4G [] -S []																																	
	N4G [] -S []																																	
End block (Page 298)	N4G [] -E []																																	
	N4G [] -E []																																	
Mounting rail	L2= [] (How to find length Page 304)	Blanking plug															Silencer										Accessories							
		GWP [] -B []	GWP [] -B []	GWP [] -B []	GWP [] -B []	SLW-H []	SLW-H []																											

MN4GA/B

4GA/B (master)

MN3S0/MN4S0

4TB

4L2-4/LMFO

4KA/B

4F

PV5/CMF

3MA/B0

3PA/B

P/M/B

NP/NAP/NVP

4F**0E

HMV/HSV

Uniwire system

SKH

PCD/FS/FD

3, 5 port pilot operated valve
Block manifold

MN4GA/4GB-T1/3 Series

Manifold specification sheet

Common gland type (T10/T11) wiring specifications

- * Except standard/double wiring, fill out this form and attach to manifold specification sheet.
- * When standard/double wiring, not required.

Connector pin No.		Valve No.																							
T10 <input type="checkbox"/>	T11 <input type="checkbox"/>	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																								
2	2																								
3	3																								
4	4																								
5	5																								
6	6																								
7	7																								
8	8																								
9	9																								
10	10																								
11	11																								
12	12																								
13	13																								
14	14																								
COM	15																								
COM	16																								
	17																								
	18																								
	19																								
	20																								
	21																								
	22																								
	23																								
	24																								
	COM																								
	COM																								

D-sub connector (T30) wiring specifications

- * Except standard/double wiring, fill out this form and attach to manifold specification sheet.
- * When standard/double wiring, not required.

Connector pin No.		Valve No.																							
T30 <input type="checkbox"/>		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																									
	14																								
2																									
	15																								
3																									
	16																								
4																									
	17																								
5																									
	18																								
6																									
	19																								
7																									
	20																								
8																									
	21																								
9																									
	22																								
10																									
	23																								
11																									
	24																								
12																									
	25																								
13(COM)																									

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

- * Except standard/double wiring, fill out this form and attach to manifold specification sheet.
- * When standard/double wiring, not required.

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																						

* When T50/T50R, polarity of COM is + (plus).

Serial transmission (T6*/T7*) wiring specifications

- * Except standard/double wiring, fill out this form and attach to manifold specification sheet.
- * When standard/double wiring, not required.

Serial transmission type	Connector pin No.		Valve No.																								
	T6*	T7*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16									
Connector connection type	1	1																									
T621: OMRON SYSBUS/multi link	2	2																									
T631: MITSUBISHI MELSEC NET/MINI-S3	3	3																									
T6A0: UNIWIRED SYSTEM 8 points	4	4																									
T6A1: UNIWIRED SYSTEM 16 points	5	5																									
T6C0: OMRON CompoBus/S 8 points	6	6																									
T6C1: OMRON CompoBus/S 16 points	7	7																									
T6G1: MITSUBISHI CC-Link	8	8																									
T6E0: SUNX S-LINK 8 points	9	COM	9																								
T6E1: SUNX S-LINK 16 points	10	COM	10																								
T6J0: UNIWIRED H SYSTEM 8 points	11		11																								
T6J1: UNIWIRED H SYSTEM 16 points	12		12																								
T6K1: KEYENCE KZ-R	13		13																								
Thin slot-in type	14		14																								
T7C0: OMRON CompoBus/S 8 points	15		15																								
T7C1: OMRON CompoBus/S 16 points	16		16																								
T7D1: DeviceNet (OMRON CompoBus/D)	17		17																								
T7E0: SUNX S-LINK 8 points	18		18																								
T7E1: SUNX S-LINK 16 points	19	COM	19																								
T7G1: MITSUBISHI CC-Link	20	COM	20																								
T7L1: SAVE NET																											

4SA/B0
4SA/B1
4GA/B
MN4GA/B
4GA/B (master)
MN3S0/
MN4S0
4TB
4L2-4/
LMFO
4KA/B
4F
PV5/
CMF
3MA/B0
3PA/B
P/M/B
NP/NAP/
NVP
4F**0E
HMV/
HSV
Uniwire
system
SKH
PCD/
FS/FD
3, 5 port pilot operated valve
Block manifold