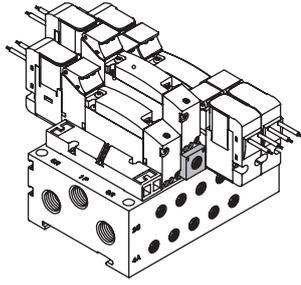


M4GA1 to 3/M4GB1 to 3 Series

Related products

Related products

● Air supply spacer



Specifications

Model No.	P→A/B		A/B→R		Weight g
	C [dm ³ /(s·bar)]	b	C [dm ³ /(s·bar)]	b	
4G1	0.70	0.23	0.93	0.16	8
4G2	1.6	0.17	1.8	0.16	35
4G3	2.6	0.22	3.1	0.14	56

Note 1: The values are with the valve mounted.

Note 2: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

How to order discrete units

● Air supply spacer

Air supply spacer model No.

4G **3** **R-P** - **GWS10** **A** - **P70**

A Air supply spacer model No.

B Port size

D Clean room specifications

C Set screw

Valve model No.

Code	Content	Valve model No.					
		4GA1	4GB1	4GA2	4GB2	4GA3	4GB3
A Air supply spacer model No.							
1	For 4G1	●					
2	For 4G2			●			
3	For 4G3						●
B Port size							
Blank	M5(4G1), Rc1/8(4G2), Rc1/4(4G3)	●		●			●
GWS4	ø4 fitting	●					
GWS6	ø6 fitting	●		●			
GWS8	ø8 fitting			●			●
GWS10	ø10 fitting						●
06N	1/8NPT			●			
08N	1/4NPT						●
06G	G1/8			●			
08G	G1/4						●
C Set screw							
Blank		●		●			●
A	4GA3 A/B port: Rc1/4 thread					●	(*1)
D Clean room specifications							
	Structure	Material restriction					
P70	Exhaust treatment					●	●

is not available.

Attached product: Set screw 2 (*2), PR check valve 2, body gasket 1

⚠ Precautions for model No. selection

*1: Specify "A" only when using with 4GA3*9R-08 for mounting base. (The valve set screw length differs.)

*2: Specify the air supply spacer mounting position and quantity in manifold specifications of each catalog.

*3: If the A/B port fitting is the elbow (facing up), turn the air supply port of the air supply spacer toward the reverse side (a solenoid side).

*4: If the elbow (facing up) A/B port fitting is used for the reduced wiring manifold, the air supply spacer cannot be selected.

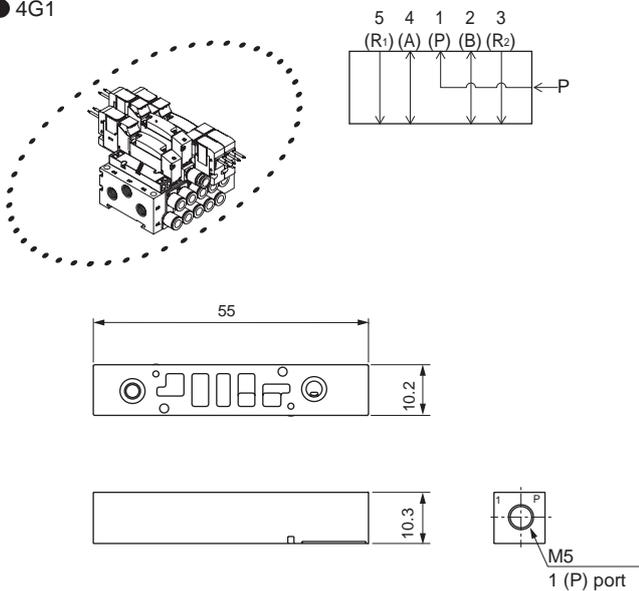
*5: Combination with the masking plate is not supported.

Related products

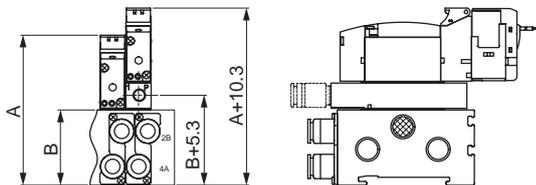
● Air supply spacer

Dimensions

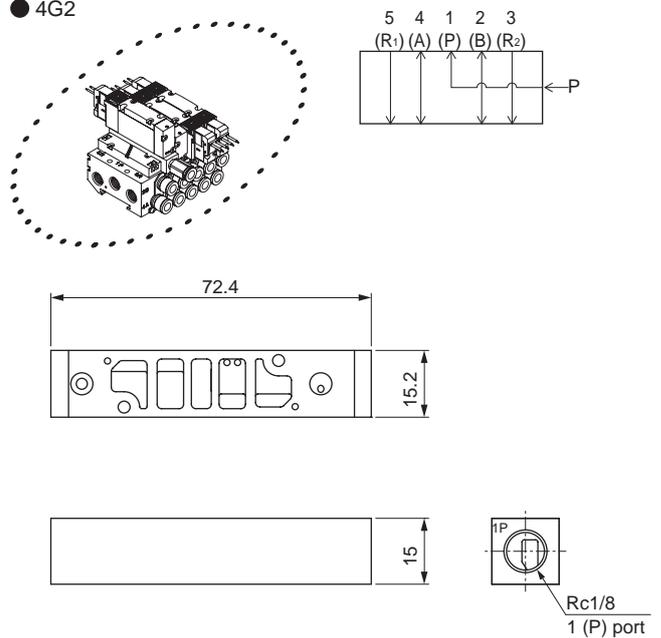
● 4G1



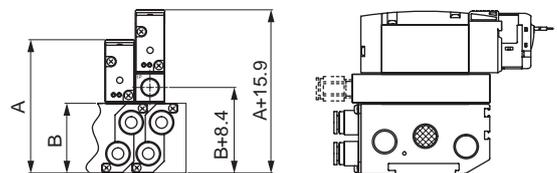
Dimensions when mounted



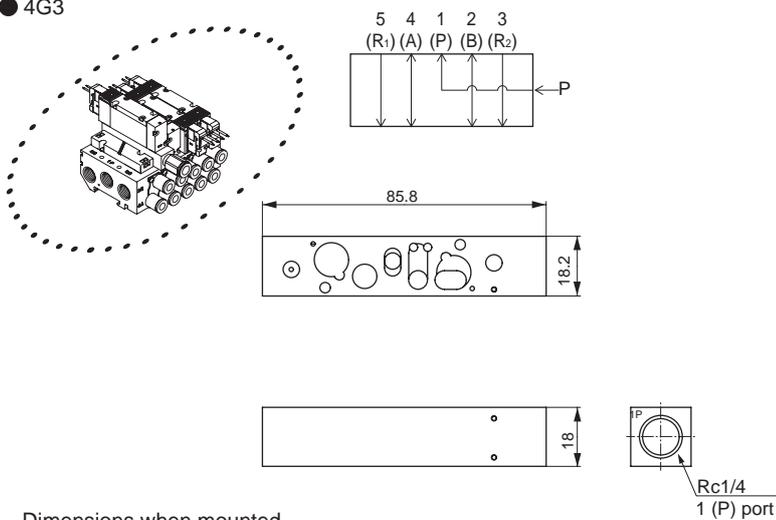
● 4G2



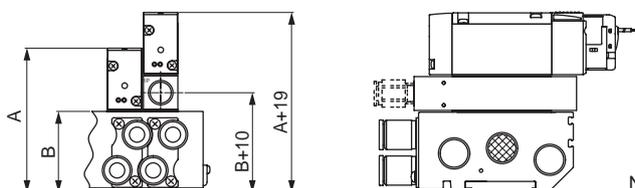
Dimensions when mounted



● 4G3



Dimensions when mounted



Note: For A and B dimensions, check the dimensions of respective specifications.

SCPD3

SCM

SSD2

MDC2

SMG

LCM

LCR

LCG

LCX

STM

STG

STR2

MRL2

GRC

Cylinder Switch

MN3E

MN4E

4GA/B

M4GA/B

MN4GA/B

F.R. (module unit)

Clean F.R

Precision R

Press gauge

Diff. press gauge

Electro-pneumatic R

Speed controller

Auxiliary valve

Fitting/tube

Clean air unit

Pressure sensor

Flow rate sensor

Valve for air blow

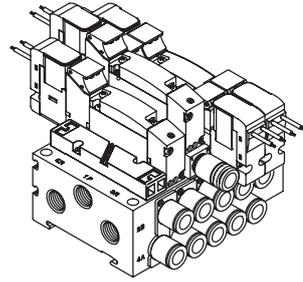
Ending

M4GA1 to 3/M4GB1 to 3 Series

Related products

Related products

● Exhaust spacer



Specifications

Model No.	P→A/B		A/B→R		Weight g
	C [dm ³ /(s·bar)]	b	C [dm ³ /(s·bar)]	b	
4G1	0.94	0.28	0.68	0.33	7
4G2	1.5	0.24	1.9	0.24	34
4G3	3.4	0.21	2.9	0.27	58

Note 1: The values are with the valve mounted.

Note 2: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

How to order discrete units

● Exhaust spacer

Exhaust spacer model No.

4G **3** **R - R** - **GWS10** **A** - **P70**

D Clean room specifications

A Exhaust spacer model No.

B Port size

C Set screw

Code	Content	Valve model No.					
		4GA1	4GB1	4GA2	4GB2	4GA3	4GB3
A Air supply spacer model No.							
1	For 4G1	●					
2	For 4G2			●			
3	For 4G3						●
B Port size							
Blank	M5(4G1), Rc1/8(4G2), Rc1/4(4G3)	●		●			●
GWS4	ø4 fitting	●					
GWS6	ø6 fitting	●		●			
GWS8	ø8 fitting			●			●
GWS10	ø10 fitting						●
06N	1/8NPT			●			
06G	G1/8			●			
08G	G1/4						●
C Set screw							
Blank		●		●			●
A	4GA3 A/B port: Rc1/4 thread					●	(*1)
D Clean room specifications							
	Structure	Material restriction					
P70	Exhaust treatment					●	●

is not available.

Attached product: Set screw 2 (*2), PR check valve 2, body gasket 1

⚠ Precautions for model No. selection

*1: Specify "A" only when using with 4GA3*9R-08 for mounting base. (The valve set screw length differs.)

*2: Indicate the mounting positions and quantity of the exhaust spacers in the manifold specifications of each catalog.

*3: When the A/B port fitting is an elbow (upward), the exhaust port of the exhaust spacer will be faced towards the opposite side (a solenoid side).

*4: With the reduced wiring manifold, when the A/B port fitting is an elbow (upward), the exhaust spacer cannot be selected.

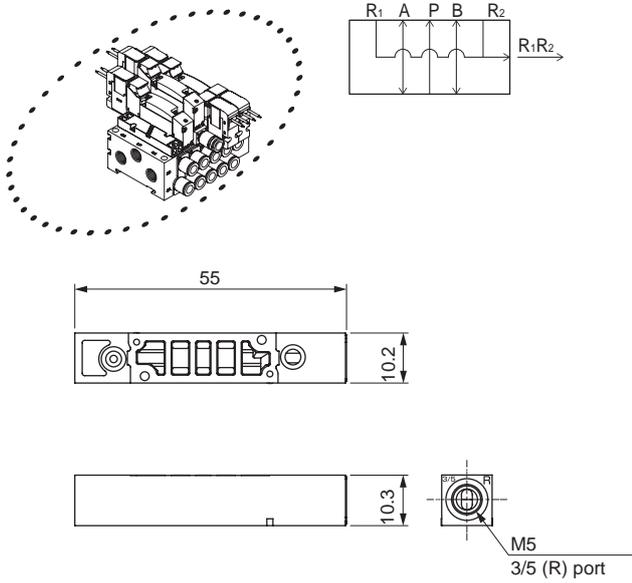
*5: Combination with the masking plate is not supported.

Related products

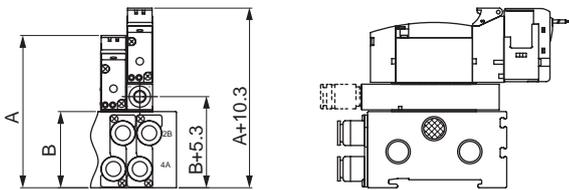
- Exhaust spacer

Dimensions

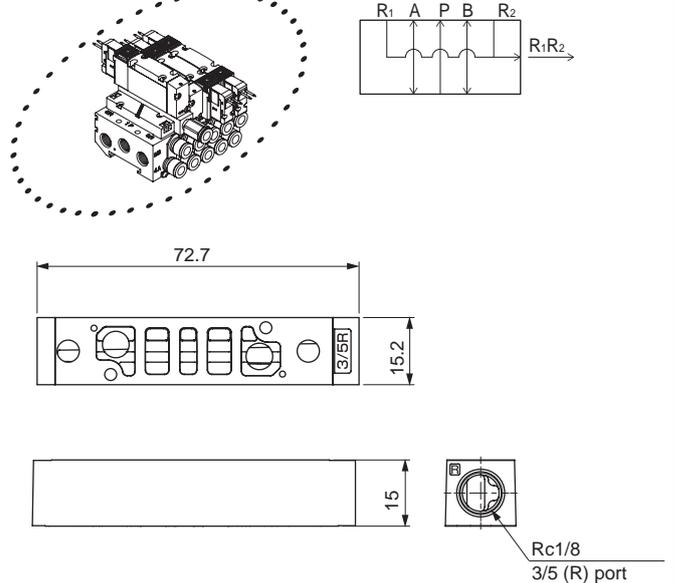
- 4G1



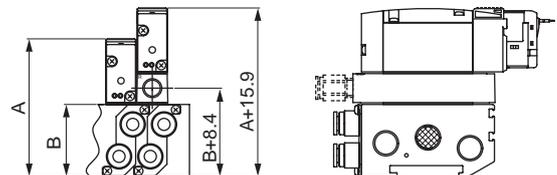
Dimensions when mounted



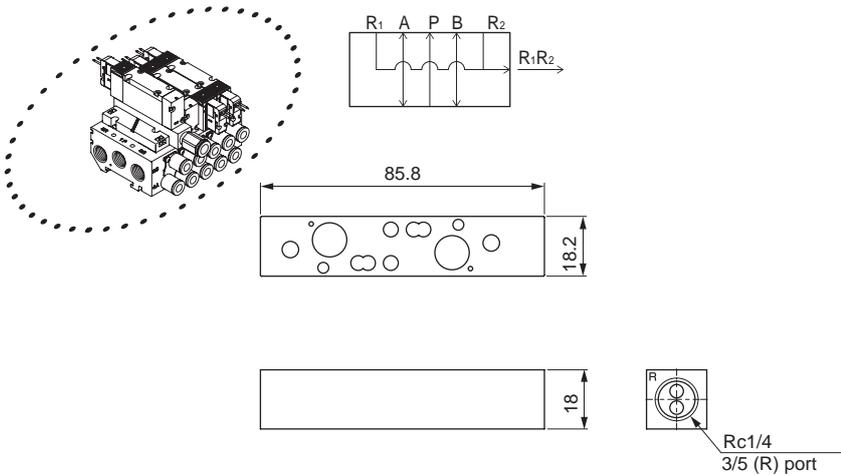
- 4G2



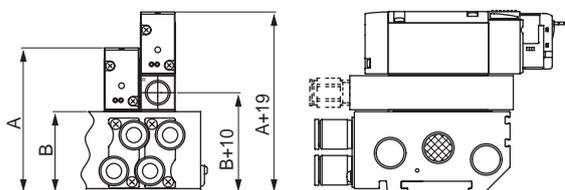
Dimensions when mounted



- 4G3



Dimensions when mounted



* For A and B dimensions, check the dimensions of respective specifications.

SCPD3

SCM

SSD2

MDC2

SMG

LCM

LCR

LCG

LCX

STM

STG

STR2

MRL2

GRC

Cylinder Switch

MN3E
MN4E

4GA/B

M4GA/B

MN4GA/B

F.R. (module unit)

Clean F.R

Precision R

Press gauge
Diff. press gauge

Electro-pneumatic R

Speed controller

Auxiliary valve

Fitting/tube

Clean air unit

Pressure sensor

Flow rate sensor

Valve for air blow

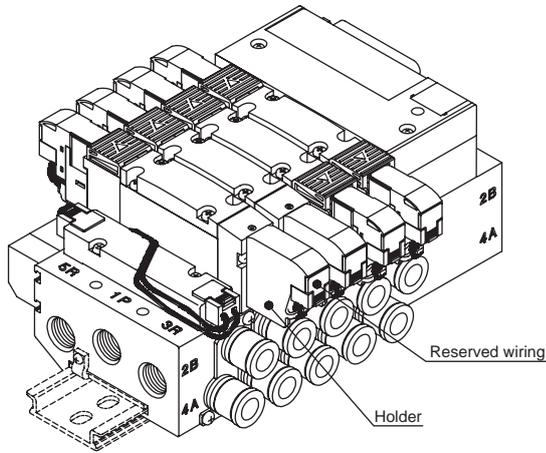
Ending

M4GA1 to 3/M4GB1 to 3 Series

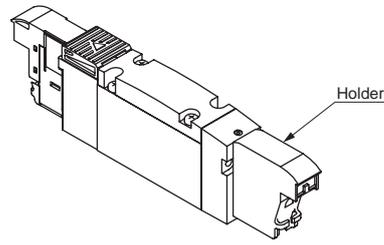
Related products

● Double wiring (single spare wiring)

For manifold



For discrete valve (A2N)



A holder for retaining the socket assembly is attached. (A-type socket assembly is not attached.)

This is used to impose and retain the socket assembly that is no longer required when the valve is changed from the double solenoid to the single solenoid.

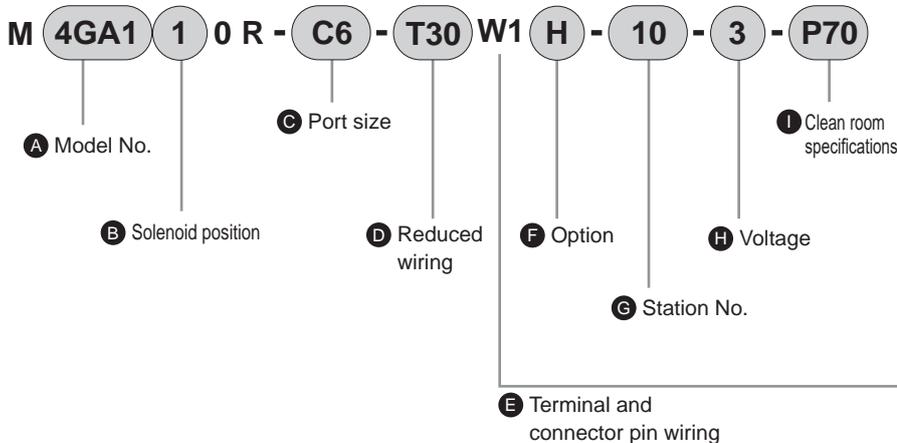
For the single solenoid, spare wiring (holder and A-type socket assembly) is attached on the cap side.

This is used when the valve is changed from the double solenoid to the single solenoid.

Without the need to fix up the A-type socket assembly separately, valve change work becomes easier.

How to order

● Model No. with manifold installed (example)

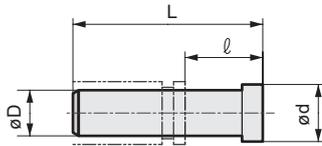


Code	Content
E	Terminal and connector pin wiring
W1	Double wiring (with single spare wiring)

* For details of model No., refer to How to order of individual series.

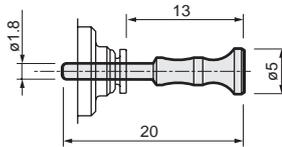
Related products

● Blanking plug



Model No.	D	L	l	d
GWP4-B-P70	ø4	27	16	6
GWP6-B-P70	ø6	29	11.5	8
GWP8-B-P70	ø8	33	14	10
GWP10-B-P70	ø10	40	18.5	12

PG-P2-B (for ø1.8)

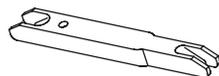


● Plug type

Part name	Model No.	Compatible bore size	Appearance
Threaded plug	4G1R-M5P	M5	 (FPL-M5)
	4G2R-06P-P70	Rc1/8	 Hexagon socket plug
	4G3R-08P-P70	Rc1/4	
	4G3R-10P-P70	Rc3/8	
	4G2R-06NP-P70	NPT1/8	
	4G3R-08NP-P70	NPT1/4	
	4G3R-10NP-P70	NPT3/8	
	4G2R-06GP-P70	G1/8	
	4G3R-08GP-P70	G1/4	
4G3R-10GP-P70	G3/8		

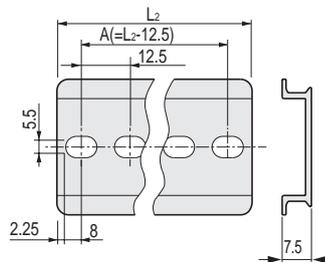
● Push-in fitting tube remover

ø1.8/ø4 for push-in fitting
4GR-EOT18-4



● DIN rail

N4GR-BAA (L2) - P70
Rail length



*1: Rail lengths not included in the list are made to order products.

L1: Manifold length	L2: Rail length	A: Mounting pitch	
35	47.5 or less	87.5	75
Over 47.5	60 or less	100	87.5
60	72.5	112.5	100
72.5	85	125	112.5
85	97.5	137.5	125
97.5	110	150	137.5
110	122.5	162.5	150
122.5	135	175	162.5
135	147.5	187.5	175
147.5	160	200	187.5
160	172.5	212.5	200
172.5	185	225	212.5
185	197.5	237.5	225
197.5	210	250	237.5
210	222.5	262.5	250
222.5	235	275	262.5
235	247.5	287.5	275
247.5	260	300	287.5
260	272.5	312.5	300
272.5	285	325	312.5
285	297.5	337.5	325
297.5	310	350	337.5
310	322.5	362.5	350
322.5	335	375	362.5
335	347.5	387.5	375
347.5	360	400	387.5
360	372.5	412.5	400
372.5	385	425	412.5
385	397.5	437.5	425
397.5	410	450	437.5
410	422.5	462.5	450
422.5	435	475	462.5
435	447.5	487.5	475
447.5	460	500	487.5
460	472.5	512.5	500
472.5	485	525	512.5
485	497.5	537.5	525
497.5	510	550	537.5

If the length exceeds 510, calculate using a multiple of 12.5.

Push-in fitting for ø4/ø6
4GR-EOT4-6

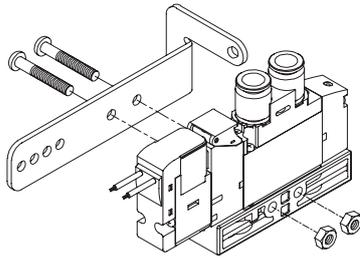
SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E
MN4E
4GA/B
M4GA/B
MN4GA/B
F.R. (module unit)
Clean F.R
Precision R
Press gauge
Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending

M4GA1 to 3/M4GB1 to 3 Series

Related parts

Related parts

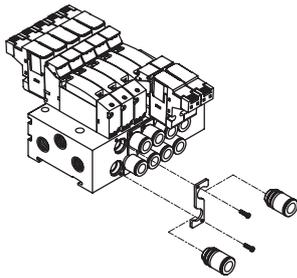
(1) Mounting plate (P) kit



Mounting (P) kit

Model No.	Kit model No.	Accessory part
3GA1/4GA1	4G1R-MOUNT-PLATE-KIT-P70	Mounting plate, set screw 2, nut 2
3GA2/4GA2	4G2R-MOUNT-PLATE-KIT-P70	Mounting plate, set screw 2
3GA3/4GA3	4G3R-MOUNT-PLATE-KIT-P70	Mounting plate, set screw 2

(2) Discrete cartridge push-in fitting related part



Fitting stopper plate kit

Model No.	Kit model No.
M4G1	4G1R-JNT-STP-PLATE-KIT-*1-P70
M4G2	4G2R-JNT-STP-PLATE-KIT-*2-P70
M4G3	4G3R-JNT-STP-PLATE-KIT-P70

*1: For C8, specify "C8."
*2: For C10, specify "C10."

(3) Adapter related kit

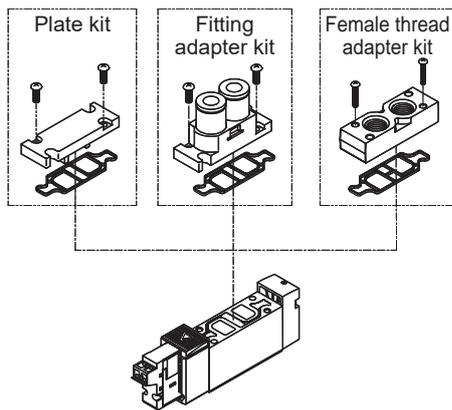


Plate kit

Model No.	Kit model No.	Accessory part
3GB1/4GB1	4G1R-PLATE-KIT-P70	Plate, gasket, set screw 2
3GB2/4GB2	4G2R-PLATE-KIT-P70	Plate, gasket, set screw 2
4GB3	4G3R-PLATE-KIT-P70	Plate, gasket, set screw 2

Fitting adapter kit

4G1 R - JNT - ADAPTOR - KIT - **C4** **NC** - **F** - P70

A Model No.

B Port size

C NC/NO

D Option

Clean room specifications

B Port size	A Model No.					
	3G1	3G2	3G3	4G1	4G2	4G3
CF ø1.8 barbed	●			●		
C18 ø1.8 straight	●			●		
C4 ø4 straight	●	●			●	
C6 ø6 straight	●	●	●		●	●
C8 ø8 straight		●	●		●	●
C10 ø10 straight			●			●
C3N ø1/8 inch straight	●			●		
C4N ø5/32 inch straight	●			●		
C6N ø1/4 inch straight		●			●	
C8N ø5/16 inch straight		●	●		●	●
C10N ø3/8 inch straight			●			●
C NC/NO						
NC For 3GA*10	●	●	●			
N0 For 3GA*110	●	●	●			
Blank 3GA*10, 3GA*110 excluded	●	●		●	●	●
D Option						
Blank	●	●	●	●	●	●
F A/B port filter integrated	●	●	●	●	●	●

Note: Fitting adapter (with fitting), gasket and set screws (2) are included.

Female thread adapter kit

Model No.	Kit model No.	Accessory part
3GA1/4GA1	4G1R-FML-ADAPTOR-KIT- <u>Port size</u> - <u>Option</u> -P70	Female thread adapter, gasket, set screw 2
3GA2/4GA2	4G2R-FML-ADAPTOR-KIT- <u>Port size</u> - <u>Option</u> -P70	Female thread adapter, gasket, set screw 2
3GA3/4GA3	4G3R-FML-ADAPTOR-KIT- <u>Port size</u> - <u>Option</u> -P70	Female thread adapter, gasket, set screw 2, body set screw 2

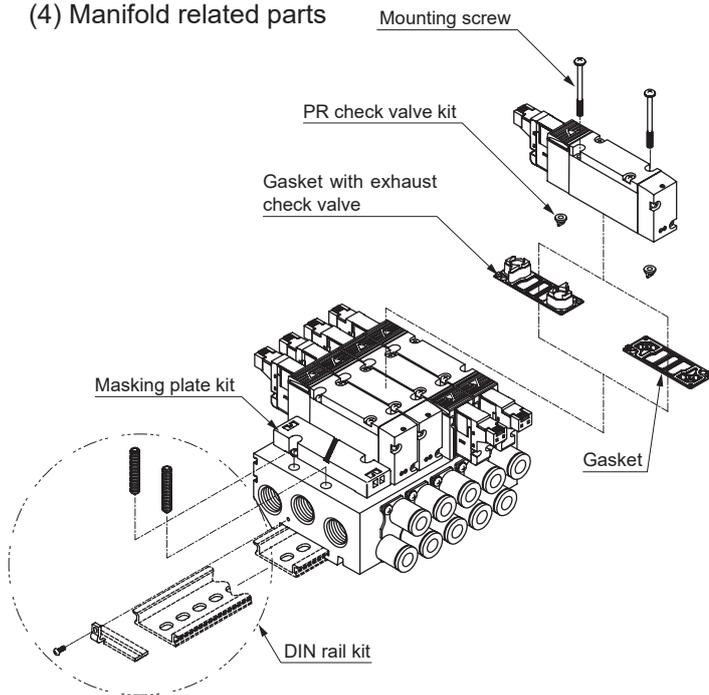
Specify the Option "F" when using the built-in A/B port filter.

M4GA1 to 3/M4GB1 to 3 Series

Related parts

Related parts

(4) Manifold related parts



Masking plate kit

Model No.	Model No.	Descriptions	Remarks
M3G1/M4G1	4G1R-MP-P70	Masking plate Gasket Set screw 2	* 3G3/4G3 has two PR check valves.
M3G2/M4G2	4G2R-MP-P70		
M3G3/M4G3	4G3R-MP-P70		

Gasket

Model No.	Part model No.
3G1/4G1	4G1R-GASKET-P70
3G1/4G1 (For masking plate)	4G1R-MP-GASKET-P70
3G2/4G2	4G2R-GASKET-P70
3G2/4G2 (For masking plate)	4G2R-MP-GASKET-P70
3G3/4G3	4G3R-GASKET-P70

Gasket with exhaust check valve

Model No.	Part model No.
3G1/4G1	4G1R-CHECK-VALVE-P70
3G2/4G2	4G2R-CHECK-VALVE-P70
3G3/4G3	4G3R-CHECK-VALVE-P70

PR check valve kit (2 per set)

Model No.	Kit model No.
3G1/4G1	4G1R-PR-P70
3G2/4G2	4G2R-PR-P70
3G3/4G3	4G3R-PR-P70

Set screw (10 per set)

Model No.	Part model No.
3G1/4G1	4G1R-SET-SCREW-P70
3G2/4G2	4G2R-SET-SCREW-P70
3G3/4G3	4G3R-SET-SCREW-P70
3GA3/4GA3 (for 08 port size)	4G3R-SET-SCREW-L-P70

DIN rail kit

Model No.	Model No.	Descriptions
M4G1	4GA1R-BAA[Length]-OptionD - P70	DIN rail, set screw 2, lock nut 2
	4GB1R-BAA[Length]-OptionD - P70	
M4G2	4GA2R-BAA[Length]-OptionD - P70	DIN rail/holder 2 tapping screw 2, set screw 4
	4GB2R-BAA[Length]-OptionD - P70	
M4G3	4GA3R-BAA[Length]-OptionD - P70	
	4GB3R-BAA[Length]-OptionD - P70	

Specify the length "0" when the DIN rail is not required.
Specify the Option "K" when using with the manifold base for external pilot.

Set the DIN rail length, referring to the current manifold dimensions and DIN rail length quick reference list (page 701).

SCPD3

SCM

SSD2

MDC2

SMG

LCM

LCR

LCG

LCX

STM

STG

STR2

MRL2

GRC

Cylinder
Switch

MN3E
MN4E

4GA/B

M4GA/B

MN4GA/B

F.R. (module
unit)

Clean
F.R

Precision
R

Press gauge
Diff. press gauge

Electro-
pneumatic R

Speed
controller

Auxiliary
valve

Fitting/
tube

Clean
air unit

Pressure
sensor

Flow rate
sensor

Valve for
air blow

Ending

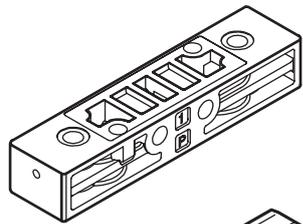
M4GA1 to 3/M4GB1 to 3 Series

Related parts

Related parts

(5) Sub-plate

- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG
- LCX
- STM
- STG
- STR2
- MRL2
- GRC
- Cylinder switch
- MN3E
MN4E
- 4GA/B
- M4GA/B**
- MN4GA/B
- F.R (module unit)
- Clean F.R
- Precision R
- Press gauge
Diff. press gauge
- Electro-pneumatic R
- Speed controller
- Auxiliary valve
- Fitting/tube
- Clean air unit
- Pressure sensor
- Flow rate sensor
- Valve for air blow
- Ending

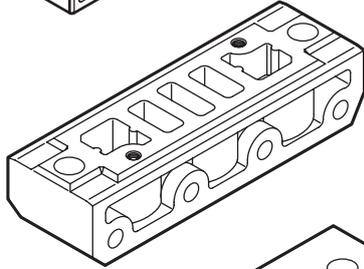


4GA piping adaptor

4G1 R - ADAPTOR - **M5** - **P70**

A Model No.

B Port size

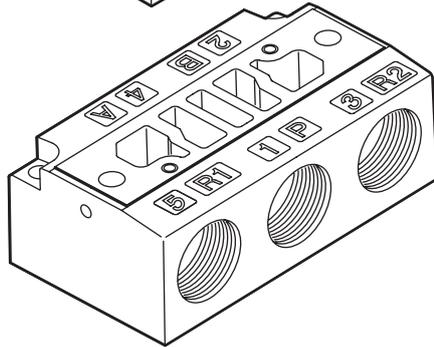
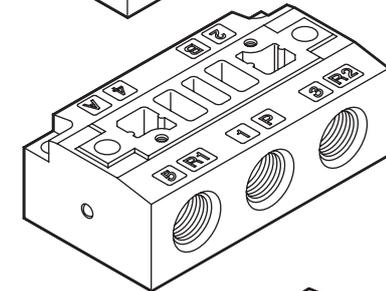


4GB discrete sub-plate

4G1 R - SUB - BASE - **06** - **P70**

A Model No.

B Port size



A Model No.		
4G1	4G2	4G3

B Port size (P/R1/R2 port)		A Model No.		
		4G1	4G2	4G3
M5	M5	●	■	■
06	Rc1/8	■	●	■
08	Rc1/4	■	■	●
06N	1/8NPT	■	●	■
08N	1/4NPT	■	■	○
06G	G1/8	■	●	■
08G	G1/4	■	■	○

C Option				
P	With mounting plate (attached)	●	●	●

■ is not available.
○ Custom order products.
Contact CKD for details.

A Model No.		
4G1	4G2	4G3

B Port size (A/B/P/R1/R2 port)		A Model No.		
		4G1	4G2	4G3
06	Rc1/8	●	■	■
08	Rc1/4	■	●	●
10	Rc3/8	■	■	●
06N	1/8NPT	○	■	■
08N	1/4NPT	■	○	○
10N	3/8NPT	■	■	○
06G	G1/8	○	■	■
08G	G1/4	■	○	○
010G	G3/8	■	■	○

C Option				
K	External pilot	●	●	●
F	A/B port filter integrated *1	●	●	●

*1: P port is equipped with a filter as standard.

■ is not available.
○ Custom order products.
Contact CKD for details.

Related parts

(6) Manifold sub-plate kit individual wiring

● M4GA sub-plate

M4GA1 R - 00 - - 2 - P70

A Model No.

B Port size
*1

C Option

D Station No.

Code	Content
A Model No.	
M4GA1	Metal base, 4G1 size, direct piping
M4GA2	Metal base, 4G2 size, direct piping
M4GA3	Metal base, 4G3 size, direct piping
B Port size	
00	Rc thread
00N	NPT thread
00G	G thread
C Option	
Blank	
K	External pilot
D Station No.	
2	2 stations
to	to
20	Refer to the specifications page for the max. station number.

Note 1: Port sizes of P/R1/R2 ports

● M4GB1 sub-plate

M4GB1R - CL4 - - D - 2 - P70

A Port size

B Option

C Mount

D Station No.

Code	Content	
A Port size		
Port	4 (A)/2 (B) port	P/R1/R2 port
CF	ø1.8 barbed fitting (applicable tube UP-9102-**)	Rc1/8
C18	ø1.8 push-in fitting (applicable tube UP-9402-**)	
C4	ø4 push-in fitting	
C6	ø6 push-in fitting	
C8	ø8 push-in fitting (*1)	
CL18	ø1.8 radial facing-up push-in fitting (applicable tube UP-9402-**) (applicable tube UP-9402-**) (*1)	
CL4	ø4 radial facing-up push-in fitting	
CL6	ø6 radial facing-up push-in fitting	
CD18	ø1.8 radial facing-down push-in fitting (applicable tube UP-9402-**) (*1)	
CD4	ø4 radial facing-down push-in fitting	
CD6	ø6 radial facing-down push-in fitting	
M5	M5	
Port	4 (A)/2 (B) port	
C3N	ø1/8 inch push-in fitting	1/8NPT
C4N	ø5/32 inch push-in fitting	
CL3N	ø1/8 inch radial facing-up push-in fitting (*1)	
CL4N	ø5/32 inch radial facing-up push-in fitting (*1)	
M5N	M5	
Port	4 (A)/2 (B) port	P/R1/R2 port
C4G	ø4 push-in fitting	G1/8
C6G	ø6 push-in fitting	
CL4G	ø4 radial facing-up push-in fitting (*1)	
CL6G	ø6 radial facing-up push-in fitting (*1)	
M5G	M5	
B Option		
Blank		
K	External pilot	
F	Built-in port A/B filter (*2)	
C Mount		
Blank	Direct mount	
D	DIN rail mount (*3)	
D Station No.		
2	2 stations	
to	to	
20	Refer to the specifications page for the max. station number.	

*1: This is a custom order product.

*2: P port is equipped with a filter as standard.

*3: The DIN rail kit should be arranged separately.

SCPD3

SCM

SSD2

MDC2

SMG

LCM

LCR

LCG

LCX

STM

STG

STR2

MRL2

GRC

Cylinder Switch

MN3E
MN4E

4GA/B

M4GA/B

MN4GA/B

F.R. (module unit)

Clean F.R

Precision R

Press gauge
Diff. press gauge

Electro-pneumatic R

Speed controller

Auxiliary valve

Fitting/tube

Clean air unit

Pressure sensor

Flow rate sensor

Valve for air blow

Ending

M4GA1 to 3/M4GB1 to 3 Series

Related parts

Related parts

(6) Manifold sub-plate kit individual wiring

● M4GB2/M4GB3 sub-plate

M4GB2 R - **CL4** - **2** - P70

B Port size

C Option

D Station No.

A Model No.

M4GB2

M4GB3

Code	Content		
B Port size			
Port	4 (A)/2 (B) port	P/R1/R2 port (1)=Rc1/4 (2)=Rc3/8	
C4	ø4 push-in fitting	(1)	
C6	ø6 push-in fitting	(1)	(2)
C8	ø8 push-in fitting	(1)	(2)
C10	ø10 push-in fitting (*1)	(1)	(2)
CL6	ø6 radial facing-up push-in fitting	(1)	
CL8	ø8 radial facing-up push-in fitting	(1)	(2)
CL10	ø10 radial facing-up push-in fitting		(2)
CD6	ø6 radial facing-down push-in fitting	(1)	
CD8	ø8 radial facing-down push-in fitting	(1)	(2)
CD10	ø10 radial facing-down push-in fitting		(2)
06	Rc1/8	(1)	
08	Rc1/4		(2)
Port	4 (A)/2 (B) port	P/R1/R2 port (3)=1/4NPT (4)=3/8NPT	
C6N	ø1/4 inch push-in fitting	(3)	
C8N	ø5/16 inch push-in fitting	(3)	(4)
C10N	ø3/8 inch push-in fitting		(4)
CL6N	ø1/4 inch radial facing-up push-in fitting (*1)	(3)	
CL8N	ø5/16 inch radial facing-up push-in fitting (*1)	(3)	
06N	1/8NPT	(3)	
08N	1/4NPT (*1)		(4)
Port	4 (A)/2 (B) port	P/R1/R2 port (5)=G1/4 (6)=G3/8	
C4G	ø4 push-in fitting	(5)	
C6G	ø6 push-in fitting	(5)	
C8G	ø8 push-in fitting	(5)	(6)
C10G	ø10 push-in fitting		(6)
CL6G	ø6 radial facing-up push-in fitting (*1)	(5)	
CL8G	ø8 radial facing-up push-in fitting (*1)	(5)	
06G	G1/8	(5)	
08G	G1/4		(6)
C Option			
Blank			
K	External pilot		
F	Built-in port A/B filter (*2)		
D Station No.			
2	2 stations		
to			
20	Refer to the specifications page for the max. station number.		

*1: This is a custom order product.

*2: P port is equipped with a filter as standard.

*3: The direct mount type and DIN rail mount type are the same.

*4: The DIN rail kit needs to be prepared separately.

M4GA1 to 3/M4GB1 to 3 Series

Related parts

Related parts

(7) Manifold sub-plate kit reduced wiring

● M4GA sub-plate

M4GA1 R - 00 - - - - 2 - P70

A Model No.

B Port size

C Reduced wiring

D Option

E Mount

F Station No.

Code	Content	
A Model No.		
M4GA1	Metal base, 4G1 size, direct piping	
M4GA2	Metal base, 4G2 size, direct piping	
M4GA3	Metal base, 4G3 size, direct piping	
B Port size		
00	M5/Rc	
00N	NPT	
00G	G thread	
C Reduced wiring		
T10	Common terminal block (M3 thread)	left
T10R		right
T11	Common terminal block (clamping)	left
T11R		right
T30	D sub-connector	left
T30R		right
T50	20 pin flat cable connector (with power supply terminal)	left
T50R		right
T51	20 pin flat cable connector (without power supply terminal)	left
T51R		right
T52	10 pin flat cable connector (without power supply terminal)	left
T52R		right
T53	26 pin flat cable connector (without power supply terminal)	left
T53R		right
T56	20 pin flat cable connector (without power supply terminal) For serial transmission slave unit OPP3 connection	left
T81	For serial transmission slave unit OPP7 connection	16 points left
T82	For serial transmission slave unit OPP7 connection	32 points left
D Option		
Blank		
K	External pilot	
E Mount (*1)		
Blank	Direct mount	
D	DIN rail mount (*2)	
F Station No.		
2	2 stations	
to	to	
20	Refer to the specifications page for the max. station number.	

*1: When T8 is used for M4GA2R and M4GA3R, mount should be specified.

*2: The DIN rail kit should be arranged separately.

SCPD3

SCM

SSD2

MDC2

SMG

LCM

LCR

LCG

LCX

STM

STG

STR2

MRL2

GRC

Cylinder Switch

MN3E
MN4E

4GA/B

M4GA/B

MN4GA/B

F.R. (module unit)

Clean F.R

Precision R

Press gauge
Diff. press gauge

Electro-pneumatic R

Speed controller

Auxiliary valve

Fitting/tube

Clean air unit

Pressure sensor

Flow rate sensor

Valve for air blow

Ending

M4GA1 to 3/M4GB1 to 3 Series

Related parts

Related parts

(7) Manifold sub-plate kit reduced wiring

● M4GB sub-plate

M4GB1 R - **CL4** - **T10** - **2** - P70

A Model No. **B** Port size

C Reduced wiring

D Option

E Mount

F Station No.

*1: P port is equipped with a filter as standard.

*2: When T8 is used for M4GB2R and M4GB3R, mount should be specified.

*3: The DIN rail kit should be arranged separately.

A Model No.		
M4GB1	M4GB2	M4GB3

Code	Content
A Model No.	
M4GB1	Metal base 4G1 size base piping
M4GB2	Metal base 4G2 size base piping
M4GB3	Metal base 4G3 size base piping

B Port size		P/R1/R2Port ①=Rc1/8 ②=Rc1/4 ③=Rc3/8		
Port	4(A)/2(B)Port			
CF	ø1.8 barbed fitting (applicable tube UP-9102-**) (1)			
C18	ø1.8 push-in fitting (applicable tube UP-9402-**) (1)			
C4	ø4 push-in fitting (1)	(2)		
C6	ø6 push-in fitting (1)	(2)	(3)	
C8	ø8 push-in fitting (*5)(*6) (1)	(2)	(3)	
C10	ø10 push-in fitting (*5)(*6) (1)	(2)	(3)	
CL18	ø1.8 radial facing-up push-in fitting (applicable tube UP-9402-**) (1)			
CL4	ø4 radial facing-up push-in fitting (1)			
CL6	ø6 radial facing-up push-in fitting (1)	(2)		
CL8	ø8 radial facing-up push-in fitting (2)	(3)		
CL10	ø10 radial facing-up push-in fitting (3)			
CD18	ø1.8 radial facing-down push-in fitting (applicable tube UP-9402-**) (1)			
CD4	ø4 radial facing-down push-in fitting (1)			
CD6	ø6 radial facing-down push-in fitting (1)	(2)		
CD8	ø8 radial facing-down push-in fitting (2)	(3)		
CD10	ø10 radial facing-down push-in fitting (3)			
M5	M5 (1)			
06	Rc1/8 (2)			
08	Rc1/4 (3)			

P/R1/R2Port ①=NPT=1/8 ②=NPT=1/4 ③=NPT=3/8	
Port	4(A)/2(B)Port
C3N	ø1/8" push-in fitting (4)
C4N	ø5/32" push-in fitting (4)
C6N	ø1/4" push-in fitting (5)
C8N	ø5/16" push-in fitting (5)
C10N	ø3/8" push-in fitting (6)
CL3N	Radial ø1/8" push-in fitting upward (*6) (4)
CL4N	Radial ø5/32" push-in fitting upward (*6) (4)
CL6N	Radial ø1/4" push-in fitting upward (*6) (5)
CL8N	Radial ø5/16" push-in fitting upward (*6) (5)
CXN	Push-in fitting mix (4) (5) (6)
M5N	M5 (4)
06N	NPT1/8 (5)
08N	NPT1/4 *6 (6)

P/R1/R2Port ①=G1/8 ②=G1/4 ③=G3/8	
Port	4(A)/2(B)Port
C4G	ø4 push-in fitting (7) (8)
C6G	ø6 push-in fitting (7) (8)
C8G	ø8 push-in fitting (8) (9)
C10G	ø10 push-in fitting (9)
CL4G	ø4 radial push-in fitting upward (*6) (7)
CL6G	ø6 radial push-in fitting upward (*6) (7) (8)
CL8G	ø8 radial push-in fitting upward (*6) (8)
CXG	Push-in fitting mix (7) (8)
M5G	M5 (7)
06G	G1/8 (8)
08G	G1/4 (9)

C Reduced wiring	
T10	Common terminal block (M3 thread) left
T10R	Common terminal block (M3 thread) right
T11	Common terminal block (clamping) left
T11R	Common terminal block (clamping) right
T30	D sub-connector left
T30R	D sub-connector right
T50	20 pin flat cable connector (with power supply terminal) left
T50R	20 pin flat cable connector (with power supply terminal) right
T51	20 pin flat cable connector (without power supply terminal) left
T51R	20 pin flat cable connector (without power supply terminal) right
T52	10 pin flat cable connector (without power supply terminal) left
T52R	10 pin flat cable connector (without power supply terminal) right
T53	26 pin flat cable connector (without power supply terminal) left
T53R	26 pin flat cable connector (without power supply terminal) right
T56	20 pin flat cable connector (without power supply terminal)For serial transmission slave unit OPP3 connection left
T81	For serial transmission slave unit OPP7 connection (16-point output) left
T82	For serial transmission slave unit OPP7 connection (32-point output) left

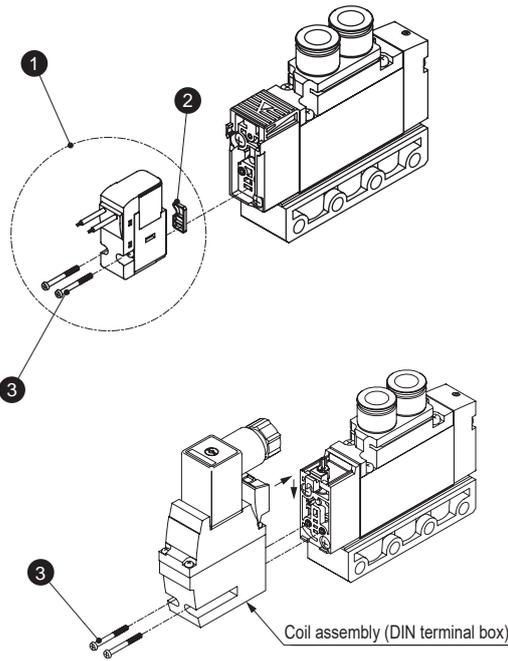
D Option	
Blank	No option
K	External pilot
F	Built-in port A/B filter (*1)

E Mount	
Blank	Direct mount *2
D	DIN rail mount (*3)

F Station No.	
2	2 stations
to	to
20	Refer to the specifications page for the max. station number.

Related parts

(8) Coil assembly

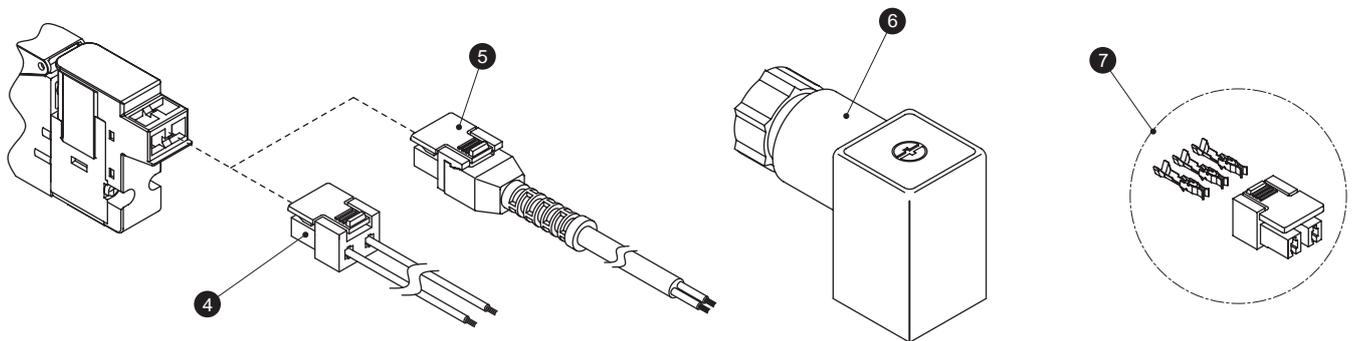


No.	Part name	Model No.
1	Coil assembly	4GR [electrical connections] - □ - COIL - [voltage] - P70 Blank: Standard A: Ozone proof S: Surgeless *1 E: Low exoergic/energy circuit *1, *2 K: External pilot specifications E* : E type connector E*J : Socket with cover B* : DIN terminal box Blank: Grommet lead wire B includes the DIN terminal box

1: E2 type and E2*J type connectors support 12/24 VDC only.
 In addition, surgeless "S" and low exoergic/energy circuit "E" cannot be selected together.

*2: Surgeless specifications.

(9) Lead wire related parts



Socket assembly, DIN terminal box assembly

No.	Part name	Model No.
4	E type connector socket assembly	4GR-SOCKET-ASSY-E**-[Voltage]-P70
5	Socket assembly with cover	4GR-SOCKET-ASSY-E**J-P70
6	DIN terminal box assembly	4GR-TERMINAL-BOX-[Voltage]-P70

Socket set

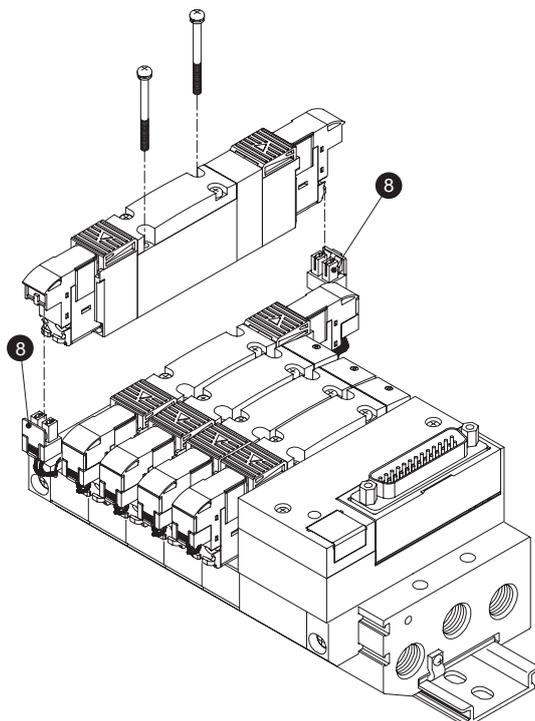
No.	Part model No.
7	4GR-SOCKET-SET-P70

A type connector socket assembly

No.	Part model No.
8	4G[*1]R-SOCKET-ASSY-A[*2][*3]-[*4]-P70

*1 Series flow rate size
 *2 Blank: Left side, R: Right side
 *3 A: aSOL side, B: bSOL side
 *4 Row No.

Note: Refer to "Selection of model No. of socket assembly for expansion" (page 737) for selection.



SCPD3

SCM

SSD2

MDC2

SMG

LCM

LCR

LCG

LCX

STM

STG

STR2

MRL2

GRC

Cylinder Switch

MN3E

MN4E

4GA/B

M4GA/B

MN4GA/B

F.R.(module unit)

Clean F.R

Precision R

Press gauge

Diff. press gauge

Electro-pneumatic R

Speed controller

Auxiliary valve

Fitting/tube

Clean air unit

Pressure sensor

Flow rate sensor

Valve for air blow

Ending