

Reduced wiring manifold
Base piping
Direct mount/DIN rail mount

M3GB1/2-T*(D) Series

M4GB1/2/3-T*(D) Series

• Cylinder bore size: $\phi 20$ to $\phi 100$



4GA/B

M4GA/B

MN4GA/B

4GA/B
(mastr)

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E
MN4E

W4GA/B2

W4GB4

4TB

4L2-4/
LMF0

MN3S0
MN4S0

4SA/B0

4KA/B

4KA/B
(mastr)

4F

4F
(mastr)

PV5G
GMF

PV5
GMF

PV5S-0

3QR
3QB

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP/
NVP

4F*0EX

4F*0E

HMV
HSV

2QV
3QV

SKH

PCD

Silencer

TotAirSys
(Total Air)

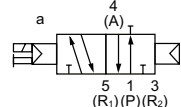
TotAirSys
(Gamma)

Ending

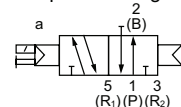
JIS symbol

● 3-port valve

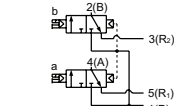
2-position single NC



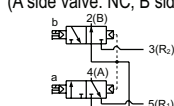
2-position single NO



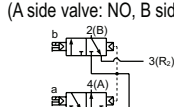
● Two 3-port valves integrated (A side valve: NC, B side valve: NC)



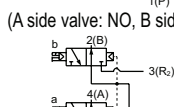
(A side valve: NC, B side valve: NO)



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

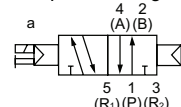


(A side valve: NO, B side valve: NO)

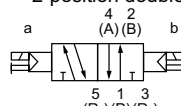


● 5-port valve

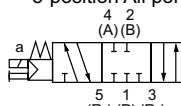
2-position single



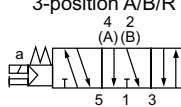
2-position double



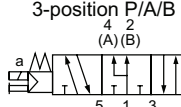
3-position All ports closed



3-position A/B/R connection



3-position P/A/B connection



Manifold common specifications

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

Electrical specifications

Descriptions	Content
Rated voltage V	T1 $\square$, T30 $\square$, T5 $\square$ T6 $\square$, T8 $\square$ DC24 DC12 DC24
V fluctuation range (*4)	$\pm 10\%$ $+10\%$, -5%
Holding current A	Standard 0.017 0.034 0.017 With low exoergic/energy saving circuit 0.005 0.010 0.005
Power (W)	Standard 0.4 With low exoergic/energy saving circuit 0.1
Thermal class	B
Surge suppressor (*5)	Zener diode
Indicator	LED

*1 Use turbine oil Class 1 ISO VG32 for lubrication.

Excessive or intermittent lubrication results in unstable operation.

*2 Avoid dripping water or oil, etc., during use.

*3 The working pressure range is 0 to 0.7 MPa when the external pilot (option code: K) is selected. Set the external pilot pressure between 0.2 and 0.7 MPa.

*4 T6 $\square$ and T8 $\square$ (serial transmission) may experience voltage drops due to internal circuitry, so care should be taken when regulating voltages.

*5 If low exoergic/energy saving circuit or surgeless types are selected then there will be a diode.

Common specifications

Descriptions	M3GB1/M4GB1	M3GB2/M4GB2	M3GB3/M4GB3
Port size	A/B Port Barbed fitting $\phi 1.8$ Push-in fitting $\phi 1.8$, $\phi 4$, $\phi 6$, $\phi 8$ (*6) M5 P/R1/R2 port Rc1/8	Push-in fitting $\phi 4$, $\phi 6$, $\phi 8$, $\phi 10$ (*6) Rc1/8	Push-in fitting $\phi 6$, $\phi 8$, $\phi 10$ Rc1/4 Rc3/8

*6 Available as custom order.

T1 $\square$, T30 $\square$, T5 $\square$

Descriptions	M3GB1/M4GB1	M3GB2/M4GB2	M3GB3/M4GB3
	Direct mount DIN rail mount	Direct mount DIN rail mount	Direct mount DIN rail mount
Max. station No.	Standard (Internal pilot) 20 stations 16 stations External pilot 12 stations	20 stations 16 stations	16 stations
Manifold base weight calculation formula (n: station No.) g	Standard 43n+335 45n+348 External pilot 44n+330 46n+344	80n+398 82n+431	124n+548 126n+582

T6 $\square$

Descriptions	M3GB1/M4GB1	M3GB2/M4GB2	M3GB3/M4GB3
	DIN rail mount	DIN rail mount	DIN rail mount
Max. station No.	Standard (Internal pilot) 16 stations External pilot 12 stations	16 stations	16 stations
Manifold base weight calculation formula (n: station No.) g	Standard 45n+495 External pilot 46n+491	82n+578 90n+615	126n+729 131n+753

T8 $\square$

Descriptions	M3GB1/M4GB1	M3GB2/M4GB2	M3GB3/M4GB3
	Direct mount DIN rail mount	Direct mount DIN rail mount	Direct mount DIN rail mount
Max. station No.	Standard (Internal pilot) 20 stations 16 stations External pilot 12 stations	20 stations 16 stations	16 stations
Manifold base weight calculation formula (n: station No.) g	Standard 46n+305 49n+332 External pilot 48n+312 51n+339	83n+318 86n+350 91n+336 94n+368	128n+384 132n+416 146n+417 150n+449

The manifold base weight is the value for screw connection specifications with DIN rail, wiring block or slave unit.

The max. station number of the manifold is limited by the max. number of solenoid for each of the following wiring specifications.

M³₄GB1/2/3-T*(D) Series

Reduced wiring manifold; base piping

Flow characteristics

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

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

Wiring specifications

Descriptions	T10□ Common term. block	T11□ Common term. block	T30□ D sub-connector	T50□ Flat cable 20-pin	T51□ Flat cable 20-pin	T52□ Flat cable 10-pin	T53□ Flat cable 26-pin
Connector and terminal block specifications	M3 thread fastening 18 terminals	Clamping 26 terminals	D sub-connector 25-pin	MIL-C-83503 standard compliant pressure welding socket 20-pin	MIL-C-83503 standard compliant pressure welding socket 20-pin	MIL-C-83503 standard compliant pressure welding socket 10-pin	MIL-C-83503 standard compliant pressure welding socket 26-pin
Max. number of solenoids	16 points	24 points	24 points	16 points	18 points	8 points	24 points
Manifold internal wiring	Details on pages 718 to 725						
Wiring block position Blank: Left side R: Right side	Left side: T□ a solenoid side Right side: T□R a solenoid side Wiring block 1st station 2nd station 3rd station ... 6th station 1st station 2nd station 3rd station ... 6th station Wiring block						
Array method Blank: Standard sequential W: Double wiring	(Example) For T50□ Manifold specifications Standard wiring (sequential): Blank Double wiring: W 1st station 3rd station 2nd station 4th station						

Serial transmission slave unit specifications

Descriptions	T6G1 ^{*1}	T6C0 ^{*2} T6C1	T6A0 ^{*3} T6A1	T6E0 T6E1	T6J0 ^{*3} T6J1
Network name	CC-Link	CompoBus/S	UNIWIRED System	S-LINK	UNIWIRED H system
Power supply voltage	Unit side Valve side	24 VDC ±10% 24 VDC +10% -5% (Unit power supply/valve power supply common terminal)			
Current consumption	Unit side Valve side	100 mA or less (when all output points are ON) 15 mA or less (when all output points are OFF) Load current is not included			
Output points	16 points	T6□0: 8 points T6□1: 16 points			
Occupied number	1 station	T6C0: 1 node address (in 8-point mode) T6C1: 2 node address (8-point mode)	T6A0: Output 8 points T6A1: Output 16 points	T6E0:FAN-in:3 T6E1:FAN-in:3	T6J0: Output 8 points T6J1: Output 16 points
Operation display	LED (power supply and communication status)				

*1: CC-Link is ver. 1.10. *2: Long-distance communication mode is not supported. Contact CKD for details on support.

*3: Transmission point count of 128 points and transmission distance of 200 m are supported. Contact CKD for other specifications.

Serial transmission slave unit specifications

Descriptions		T8G1	T8GP1	T8P1	T8PP1	T8EC1	T8ECP1	T8EN1	T8ENP1
		T8G2	T8GP2	T8P2	T8PP2	T8EC2	T8ECP2	T8EN2	T8ENP2
Communication system name		CC-Link ver1.10			PROFIBUS-DP(V0)		EtherCAT		EtherNet/IP
Power supply voltage	Unit side	24 VDC ±10%							
	Valve side	24 VDC +10%, -5%							
Current consumption	Unit side	60 mA or less (when all output points are ON)		60 mA or less (when all output points are ON)		110 mA or less (when all output points are ON)		120 mA or less (when all output points are ON)	
	Valve side	T8 ☐ 1: 15 mA or less T8 ☐ 2: 20 mA or less (when all output points are ON) Load current is not included							
Output points		T8 ☐ 1: 16 points T8 ☐ 2: 32 points							
Occupied number		1 station							
Operation display		LED (power supply and communication status)							
Output		NPN output	PNP output	NPN output	PNP output	NPN output	PNP output	NPN output	PNP output

M4GB1/2/3-T*(D) Series

Reduced wiring manifold; base piping

How to order

Manifold model No.

M **4GB1** **1** **0** **R** - **C6** - **T30** **W** **H** **D** - **3**

3 port manifold model No.

M **3GB1** **66** **0** **R** - **C6** - **T30** **W** **H** **D** - **3**

● Single valve for mounting base

4GB1 **1** **9** **R** - **00** - **A2N** **H** - **3**

● 3-port discrete valve for mounting base

3GB1 **66** **9** **R** - **00** - **A2N** **H** - **3**

B Solenoid position

A Model No.

C Port size

*3

*4

D Reduced wiring connection

E Terminal/connector pin array

- Refer to page 721 for the model No. of cables with D sub-connector.
- Refer to page 717 for the model No. of cables for flat cable connector.

⚠ Precautions for model No. selection

- *1 Select M4GB*80R when mixing with 3/5-port valves.
Further, select M3GB*80R when mixing with masking plate.
- *2 Not compatible with combination with external pilot (K). Dimensions are the same as those of the respective 2-position double solenoid.
- *3 CL* radial push-in fitting (upward) is compatible only with the single solenoid manifold. Long elbow is for A port and short elbow for B port.
- *4 A and B ports are the same size for radial push-in fitting.
- *5 4G1 C8 and 4G2 C10 are available as custom orders. In addition, these do not support push-in fitting mixing.
- *6 Blank...The wiring will be based on the type of valve used.
W*...All wired for double solenoid valves regardless of the type of valve used.
- *7 Spare wiring (A type socket assembly) is included on the cap side for single types. A holder for retaining the socket assembly is included for single unit valves (A2N). Refer to page 194 for details.
- *8 3-position all ports closed and PAB connection are not provided with the exhaust check valve specifications (H). Refer to page 751 for details on the exhaust check valve.
- *9 Contact CKD when using a vacuum with the external pilot (K).
- *10 E2* type and E2*J type connectors only support DC 12/24 V. In addition, surgeless "S" and low exoergic/energy-saving circuit "E" cannot be selected together.
- *11 Surgeless specifications.
- *12 A filter is built into the P-port as standard.
- *13 Specify the spacer mounting position/quantity in manifold specifications sheet. Stacking of spacers is not possible. Combination with the masking plate is not supported. Refer to pages 186 to 190 for details.
- *14 Not compatible with combination with external pilot (K).
- *15 Combination with radial push-in fittings (upward) is not supported.

F Option

G Mount

H Station No.

I Voltage

A Model No.				
3GB1	3GB2	4GB1	4GB2	4GB3

B Solenoid position

1	2-position single			●	●	●
2	2-position double			●	●	●
3	3-position all ports closed			●	●	●
4	3-position ABR connection			●	●	●
5	3-position PAB connection			●	●	●
66	Two 3-port valves integrated *1, *2	A side valve: Normally closed	●	●		
		B side valve: Normally closed				
67		A side valve: Normally closed	●	●		
		B side valve: Normally open				
76		A side valve: Normally open	●	●		
		B side valve: Normally closed				
77		A side valve: Normally open	●	●		
		B side valve: Normally open				
8	Mix manifold (when there are multiple solenoid positions)		●	●	●	●

C Port size

Port	4(A), 2(B) port	P/R1/R2 port (2)=Rc1/8 (3)=Rc1/4 (4)=Rc3/8			
CF	φ1.8 barbed fitting (compatible tube UP-9102-**) (2)	(2)			
C18	φ1.8 push-in fitting (compatible tube UP-9402-**) (2)	(2)			
C4	φ4 push-in fitting (2) (3) (2) (3)	(2)	(3)	(2)	(3)
C6	φ6 push-in fitting (2) (3) (2) (3) (4)	(2)	(3)	(2)	(3) (4)
C8	φ8 push-in fitting *5 (2) (3) (2) (3) (4)	(2)	(3)	(2)	(3) (4)
C10	φ10 push-in fitting *5 (3) (3) (3) (4)		(3)	(3)	(4)
CL18	Radial φ1.8 push-in fitting upward (compatible tube UP-9402-**) (2)		(2)		
CL4	Radial φ4 push-in fitting (upward) (2) (3)		(2)		(3)
CL6	Radial φ6 push-in fitting (upward) (2) (3) (4)		(2)	(3)	(4)
CL8	Radial φ8 push-in fitting (upward) (3) (4)			(3)	(4)
CL10	Radial φ10 push-in fitting (upward) (4)				(4)
CD18	Radial φ1.8 push-in fitting downward (compatible tube UP-9402-**) (2) (2)	(2)	(2)		
CD4	Radial φ4 push-in fitting (downward) (2) (2) (3)	(2)	(2)	(3)	
CD6	Radial φ6 push-in fitting (downward) (2) (3) (2) (3) (4)	(2)	(3)	(2)	(3) (4)
CD8	Radial φ8 push-in fitting (downward) (3) (3) (3) (4)		(3)	(3)	(4)
CD10	Radial φ10 push-in fitting (downward) (4)				(4)
CX	Push-in fitting mix (2) (3) (2) (3) (4)	(2)	(3)	(2)	(3) (4)
M5	M5 (2) (2)	(2)	(2)		
06	Rc1/8 (3) (3)		(3)	(3)	
08	Rc1/4 (4)				(4)
00	Discrete valve for mounting base	●	●	●	●

D Reduced wiring connection

Refer to the next page for electrical connections.

E Terminal/connector pin array

Blank	Standard wiring	*6	●	●	●	●	●
W	Double wiring	*6	●	●	●	●	●
W1	Double wiring (with single spare wiring)	*6, *7	●	●	●	●	●

F Option

Blank	Non-locking/locking common manual override	●	●	●	●	●	●
M	Non-locking manual override	●	●	●	●	●	●
H	With exhaust check valve	*8	●	●	●	●	●
K	External pilot	*9	●	●	●	●	●
A	Ozone/coolant proof		●	●	●	●	●
S	Surgeless	*10	●	●	●	●	●
E	Low exoergic/energy saving circuit	*10, *11	●	●	●	●	●
F	A/B port filter built in	*12	●	●	●	●	●
Z1	Air supply spacer	*13	●	●	●	●	●
Z2	In-stop valve spacer	*13, *14	●	●	●	●	●
Z3	Exhaust spacer	*13	●	●	●	●	●
Z6	Spacer pilot check valve	*13, *15				●	

G Mount

Blank	Direct mount	●	●	●	●	●	●
D	DIN rail mount	●	●	●	●	●	●

H Station No.

2	2 stations						
to	to	●	●	●	●	●	●
20	Refer to page 158 for the max. station number per model.						

I Voltage

3	24 VDC	●	●	●	●	●	●
4	12 VDC	●	●	●	●	●	●

is not available.

M4GB1/2/3-T*(D) Series

Reduced wiring manifold; base piping

			A Model No.				
			3GB1	3GB2	4GB1	4GB2	4GB3
④ Reduced wiring (lamp and surge suppressor provided as standard) 12/24 VDC							
T10	Common terminal block	Left-sided specifications	●	●	●	●	●
T10R	(M3 thread)	Right-sided specifications	●	●	●	●	●
T11	Common terminal block	Left-sided specifications	●	●	●	●	●
T11R	(clamping)	Right-sided specifications	●	●	●	●	●
T30	D sub-connector	Left-sided specifications	●	●	●	●	●
T30R		Right-sided specifications	●	●	●	●	●
T50	20-pin flat cable connector	Left-sided specifications	●	●	●	●	●
T50R	(with power supply terminal)	Right-sided specifications	●	●	●	●	●
T51	20-pin flat cable connector	Left-sided specifications	●	●	●	●	●
T51R	(without power supply terminal)	Right-sided specifications	●	●	●	●	●
T52	10-pin flat cable connector	Left-sided specifications	●	●	●	●	●
T52R	(without power supply terminal)	Right-sided specifications	●	●	●	●	●
T53	26-pin flat cable connector	Left-sided specifications	●	●	●	●	●
T53R	(without power supply terminal)	Right-sided specifications	●	●	●	●	●
④ Serial transmission (lamp/surge suppressor provided as standard) 24 VDC							
T6A0	UNIWIRED SYSTEM	NPN 8 points	●	●	●	●	●
T6A1		NPN 16 points	●	●	●	●	●
T6C0	CompoBus/S	NPN 8 points	●	●	●	●	●
T6C1		NPN 16 points	●	●	●	●	●
T6E0	S-LINK	NPN 8 points	●	●	●	●	●
T6E1		NPN 16 points	●	●	●	●	●
T6G1	CC-Link	NPN 16 points	●	●	●	●	●
T6J0		NPN 8 points	●	●	●	●	●
T6J1	UNIWIRED H SYSTEM	NPN 16 points	●	●	●	●	●
T8G1		NPN 16 points	●	●	●	●	●
T8G2	CC-Link (thin)	NPN 32 points	●	●	●	●	●
T8GP1		PNP 16 points	●	●	●	●	●
T8GP2		PNP 32 points	●	●	●	●	●
T8P1		NPN 16 points	●	●	●	●	●
T8P2	PROFIBUS-DP (thin)	NPN 32 points	●	●	●	●	●
T8PP1		PNP 16 points	●	●	●	●	●
T8PP2		PNP 32 points	●	●	●	●	●
T8EC1		NPN 16 points	●	●	●	●	●
T8EC2	EtherCAT (thin)	NPN 32 points	●	●	●	●	●
T8ECP1		PNP 16 points	●	●	●	●	●
T8ECP2		PNP 32 points	●	●	●	●	●
T8EN1		NPN 16 points	●	●	●	●	●
T8EN2	EtherNet/IP (thin)	NPN 32 points	●	●	●	●	●
T8ENP1		PNP 16 points	●	●	●	●	●
T8ENP2		PNP 32 points	●	●	●	●	●
A2N	Without lead wire (without socket)	with surge suppressor/indicator lamp	●	●	●	●	●

Ozone-proof specifications

Coolant proof specifications

Can be selected with "How to order" Item ⑤ option "A" on page 160.

Clean-room specifications

● Anti-dust generation structure for use in cleanrooms

** - Voltage - **P7***

Specifications for rechargeable battery

(Catalog No. CC-1226A)

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

** - Voltage - **P4**

CE marking specifications

** - Voltage - **ST**

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

M4GB1/2/3-T*(D) Series

Reduced wiring manifold; base piping

Manifold components explanation and parts list

4GA/B

M4GA/B

MN4GA/B

4GA/B
(mastr)

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E
MN4E

W4GA/B2

W4GB4

4TB

4L2-4/
LMF0

MN3S0
MN4S0

4SA/B0

4KA/B

4KA/B
(mastr)

4F

4F
(mastr)

PV5G
GMF

PV5
GMF

PV5S-0

3QR
3QB

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP/
NVP

4F*0EX

4F*0E

HMV
HSV

2QV
3QV

SKH

PCD

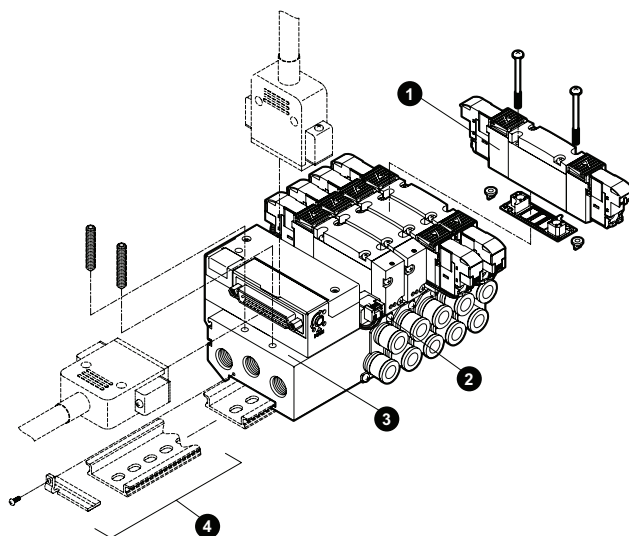
Silencer

TotAirSys
(Total Air)

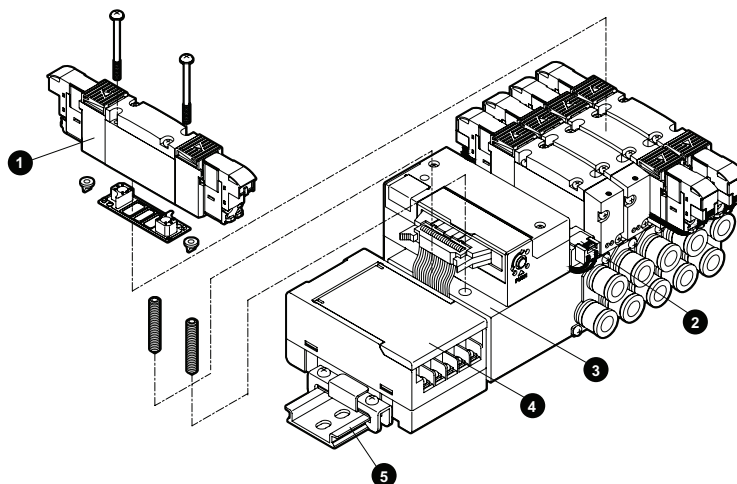
TotAirSys
(Gamma)

Ending

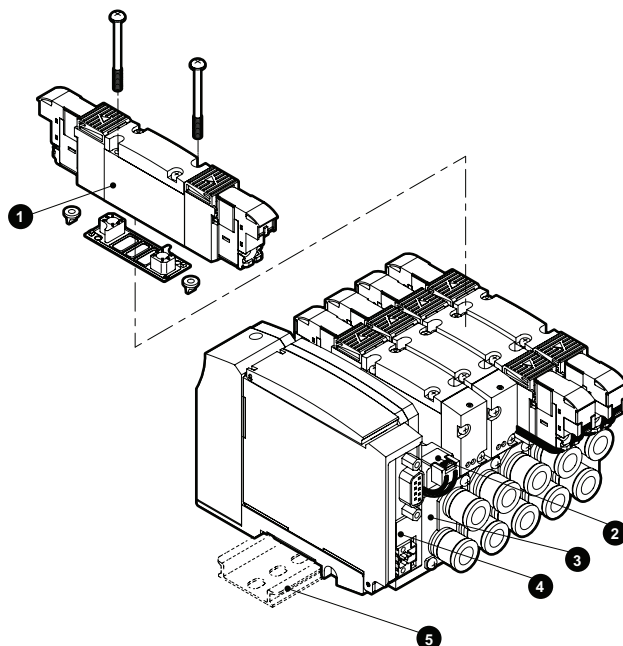
●T30



●T6D



●T8*



* Mount (direct, DIN rail) cannot be changed after purchase of the M4GB2-T8 and M4GB3-T8 Series.
M4GB1-T8 Series allows changes.

Reduced wiring manifold; base piping

No.	Component name	Model No.	Content	Remarks
1	Discrete valve for mounting base	3 4 GB 9R-00-A2N option voltage Solenoid position Series flow rate size	Single valve Gasket Mounting screws 2 PR check valve 2	Details on page 160
2	Masking plate	3G1/4G1 4G1R-MP 3G2/4G2 4G2R-MP 3G2/4G3 4G3R-MP	Masking plate Gasket Mounting screws 2	* 3G3/4G3 have two PR check valves.
3	Manifold base assembly	M4GB R Port size T56 option station No. Series flow rate size	Manifold base Wiring block	
4	Serial transmission slave unit	4GR-OPP3- Wiring method 4GR-OPP7- Wiring method	Serial transmission slave unit	Details on page 184
5	DIN rail kit			Details on page 197

No.	Part name	Model No.	No.	Part name	Model No.		
-	Coil assembly	4GR-A2N- -COIL- Voltage Blank: Standard A: Ozone/coolant proof S: Surgeless E: Low exoergic/energy saving circuit	-	Cartridge push-in fitting and related parts	4G1	φ1.8 barbed	4G1R-JOINT-CF
					4G1	φ1.8 axial	4G1R-JOINT-C18
					4G1	φ4 straight	4G1R-JOINT-C4
					4G1	φ6 straight	4G1R-JOINT-C6
					4G1	φ8 straight	4G1R-JOINT-C8
					4G1	φ1.8 elbow	4G1R-JOINT-CL18,CLL18
					4G1	φ4 elbow	4G1R-JOINT-CL4,CLL4
					4G1	φ6 elbow	4G1R-JOINT-CL6,CLL6
					4G1	Plug cartridge	4G1R-JOINT-CPG
					4G2	φ4 straight	4G2R-JOINT-C4
					4G2	φ6 straight	4G2R-JOINT-C6
					4G2	φ8 straight	4G2R-JOINT-C8
					4G2	φ10 straight *1	4G2R-JOINT-C10
					4G2	φ6 elbow	4G2R-JOINT-CL6,CLL6
					4G2	φ8 elbow	4G2R-JOINT-CL8,CLL8
					4G2	Plug cartridge	4G2R-JOINT-CPG
					4G3	φ6 straight	4G3R-JOINT-C6
					4G3	φ8 straight	4G3R-JOINT-C8
					4G3	φ10 straight	4G3R-JOINT-C10
					4G3	φ8 elbow	4G3R-JOINT-CL8,CLL8
			4G3	φ10 elbow	4G3R-JOINT-CL10,CLL10		
-	A type connector	4GR -SOCKET-ASSY-A - Row No. Blank: Left side, R: Right side A: aSOL side, B: bSOL side n: Specify position of valve to be connected					
-	Socket assembly						
	Details on page 737						

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

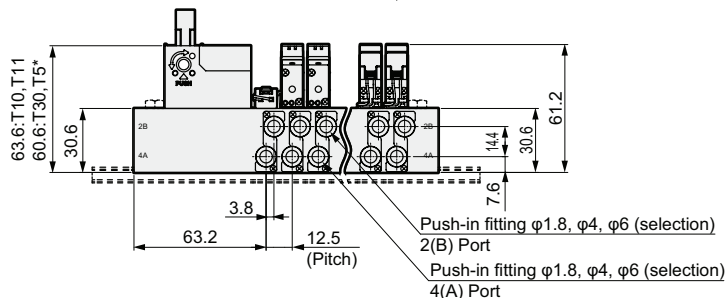
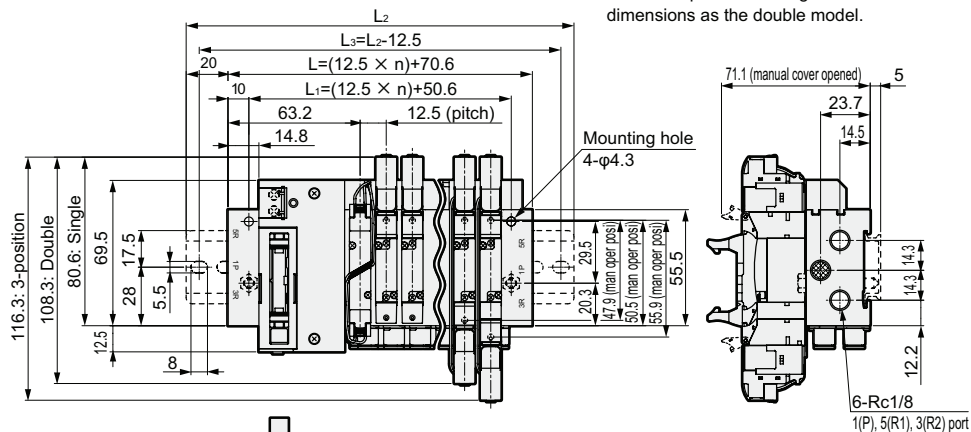
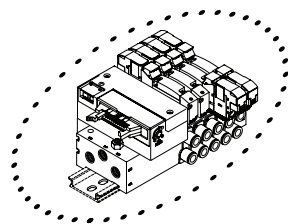
Reduced wiring manifold; base piping

Dimensions

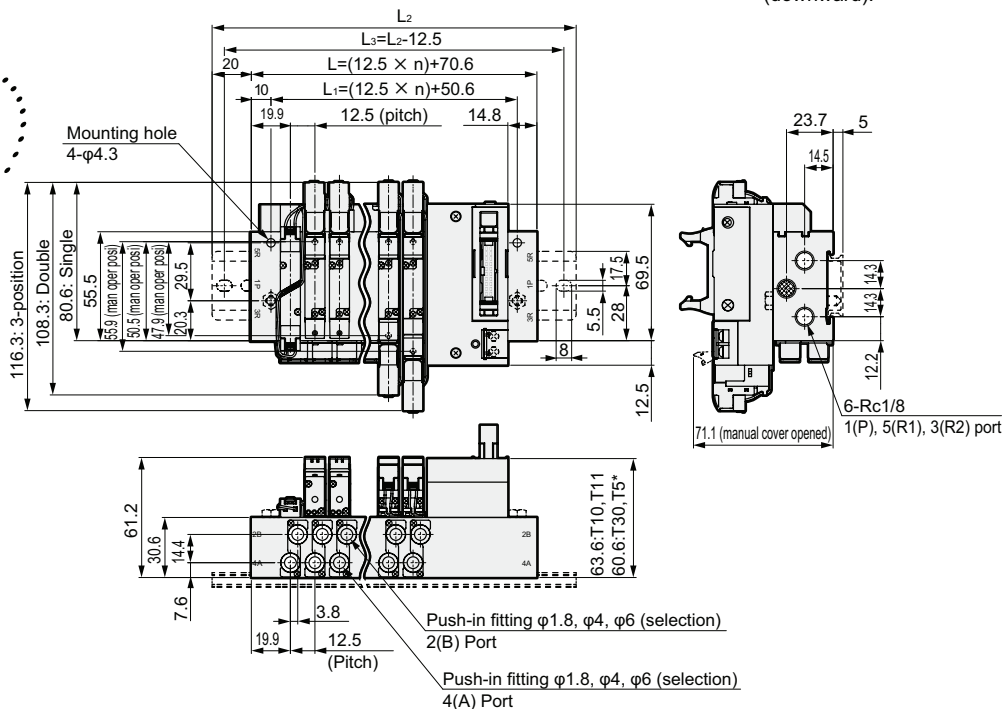
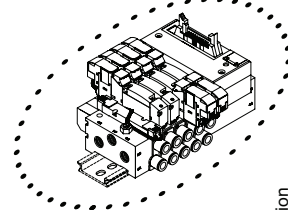
4GA/B

M4GA/B

MN4GA/B



● Reduced wiring right side (T10R/T11R/T30R/T50R/T51R/T52R/T53R)

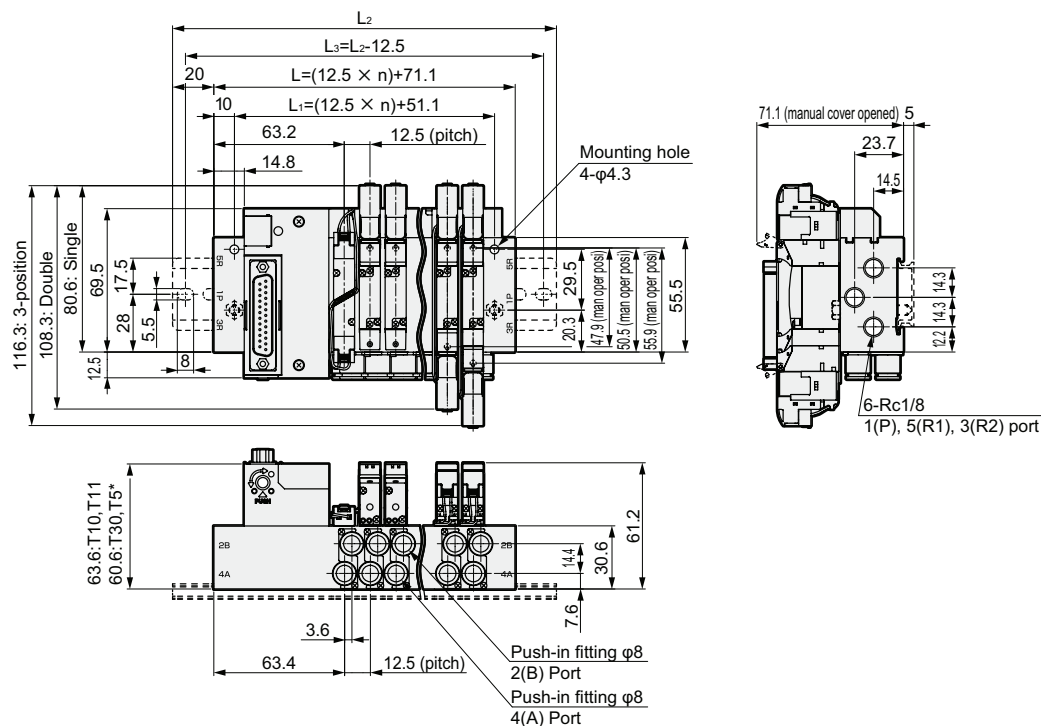


Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	95.6	108.1	120.6	133.1	145.6	158.1	170.6	183.1	195.6	208.1	220.6	233.1	245.6	258.1	270.6	283.1	295.6	308.1	320.6
L ₁	75.6	88.1	100.6	113.1	125.6	138.1	150.6	163.1	175.6	188.1	200.6	213.1	225.6	238.1	250.6	263.1	275.6	288.1	300.6
L ₂	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5				
L ₃	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0				

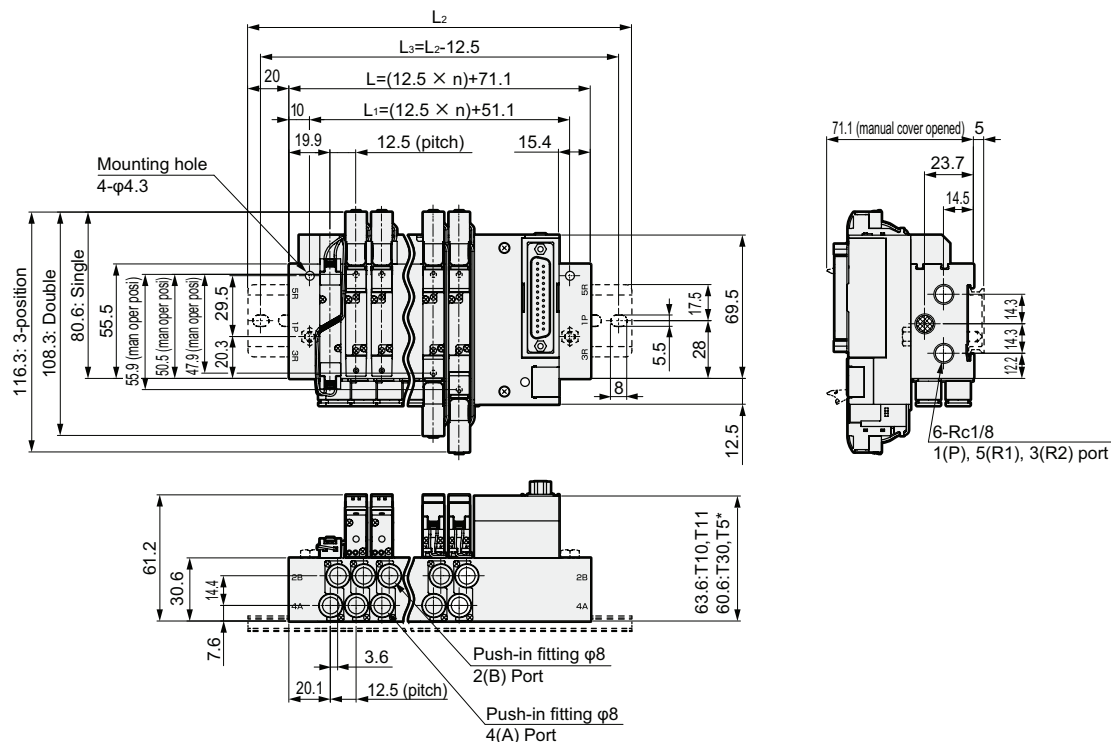
Dimensions

M4GB1-C8

● Reduced wiring left side (T10/T11/T30/T50/T51/T52/T53)



● Reduced wiring right side (T10R/T11R/T30R/T50R/T51R/T52R/T53R)



Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	96.1	108.6	121.1	133.6	146.1	158.6	171.1	183.6	196.1	208.6	221.1	233.6	246.1	258.6	271.1	283.6	296.1	308.6	321.1
L ₁	76.1	88.6	101.1	113.6	126.1	138.6	151.1	163.6	176.1	188.6	201.1	213.6	226.1	238.6	251.1	263.6	276.1	288.6	301.1
L ₂	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5				
L ₃	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0				

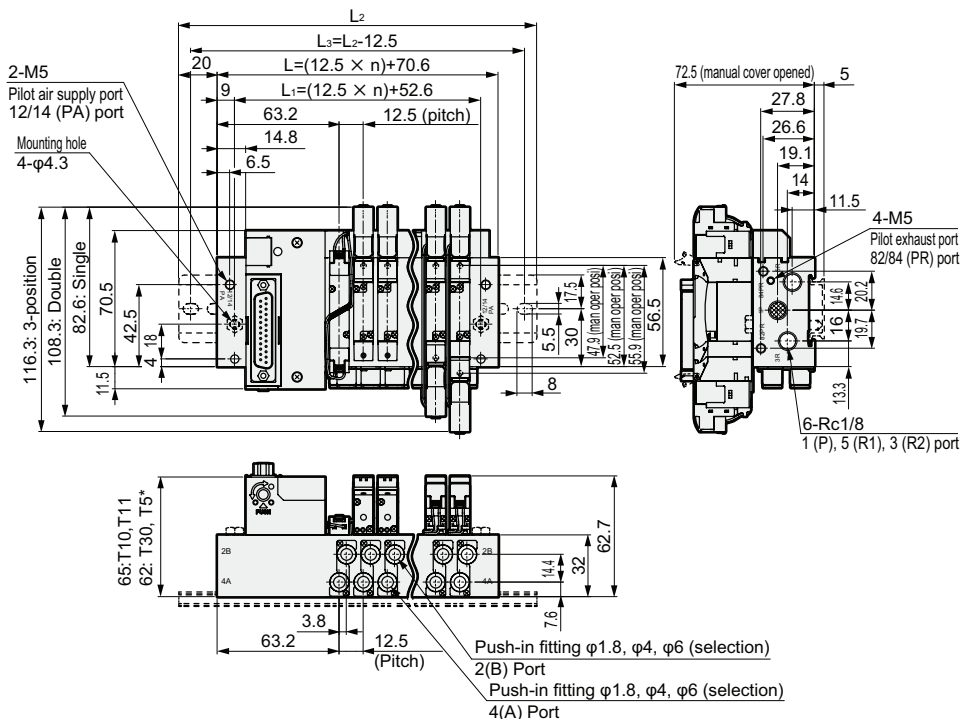
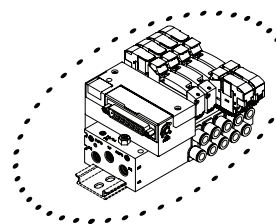
4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
4TB
4L2-4/ LMFO
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G GMF
PV5 GMF
PV5S-0
3QR
3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/ NVP
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD
Silencer
TotAirSys (Total Air)
TotAirSys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

Reduced wiring manifold; base piping

Dimensions

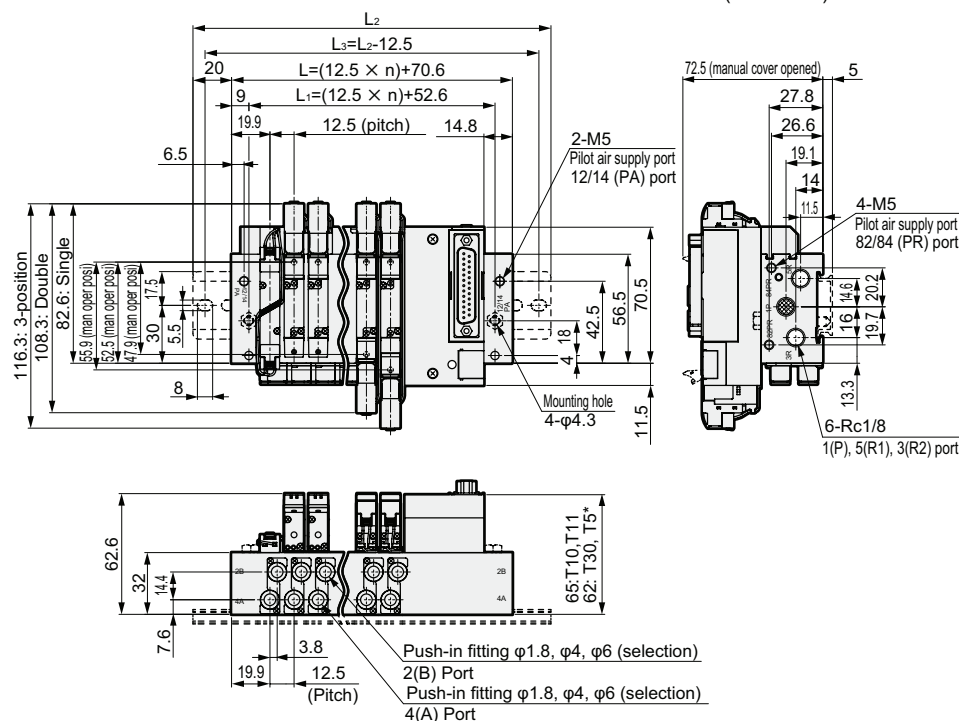
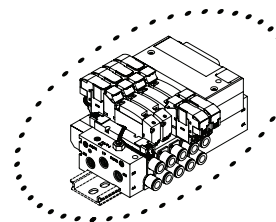
M4GB1

- Reduced wiring left side (T10/T11/T30/T50/T51/T52/T53) External pilot (K)



* Figure shows T30. Refer to page 183 for detailed wiring block dimensions.

- Reduced wiring right side (T10R/T11R/T30R/T50R/T51R/T52R/T53R)
External pilot (K)



Note: Refer to page 172 for details on the push-in fitting elbow (upward) (downward).

Stn No.	2	3	4	5	6	7	8	9	10	11	12
L	95.6	108.1	120.6	133.1	145.6	158.1	170.6	183.1	195.6	208.1	220.6
L ₁	77.6	90.1	102.6	115.1	127.6	140.1	152.6	165.1	177.6	190.1	202.6
L ₂	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5
L ₃	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0

M4GB1-T* Series

M4GB1-T6D Series

Reduced wiring manifold; base piping; serial transmission

Dimensions

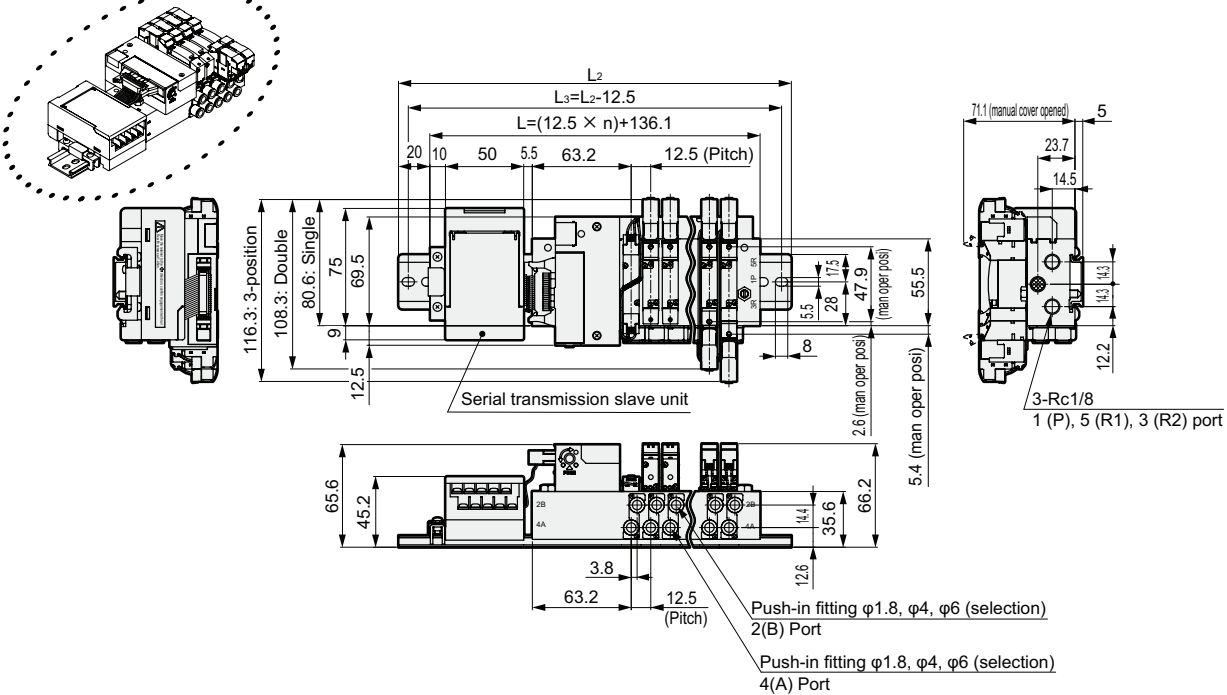


4GA/B

M4GB1

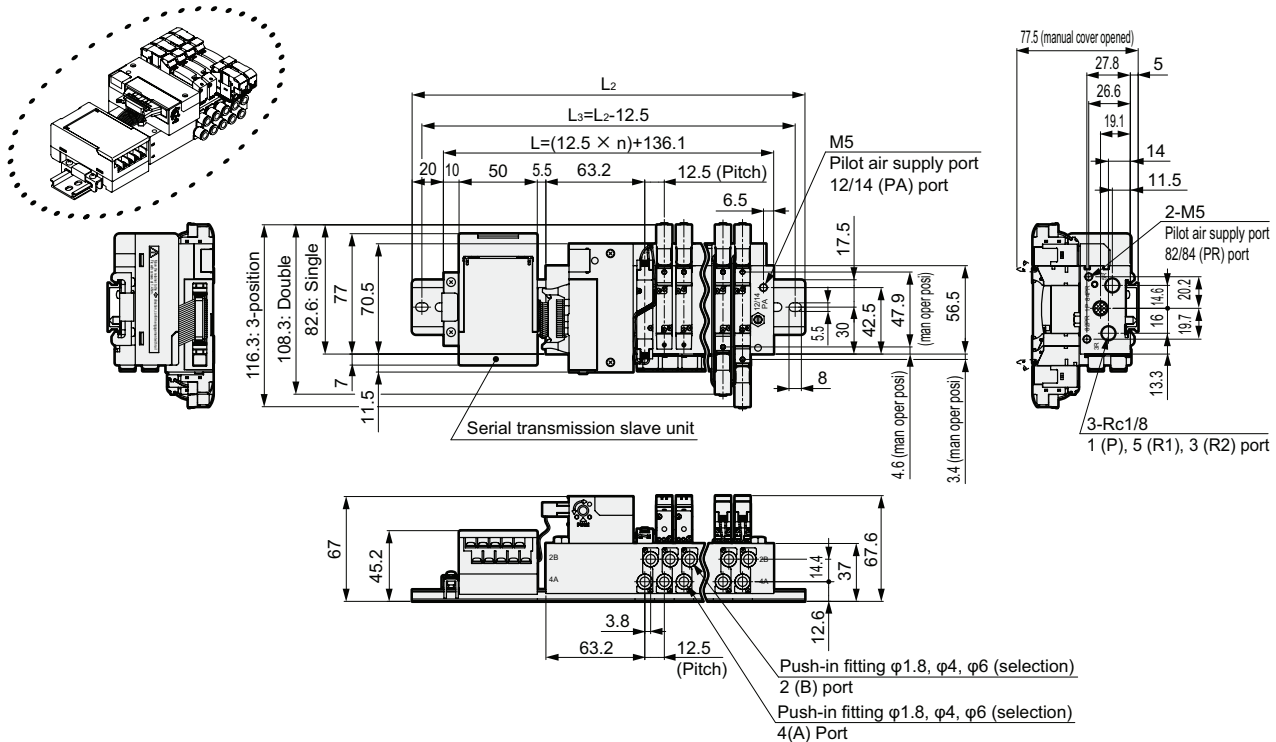
- Serial transmission (T6□)
DIN rail mounting (D)

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



- Serial transmission (T6□)
DIN rail mounting (D); external pilot (K)

Note: Refer to page 172 for details on the push-in fitting elbow (upward) (downward).



Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	161.1	173.6	186.1	198.6	211.1	223.6	236.1	248.6	261.1	273.6	286.1	298.6	311.1	323.6	336.1
L ₂	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5	325.0	337.5	350.0	362.5	375.0	387.5
L ₃	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5	325.0	337.5	350.0	362.5	375.0

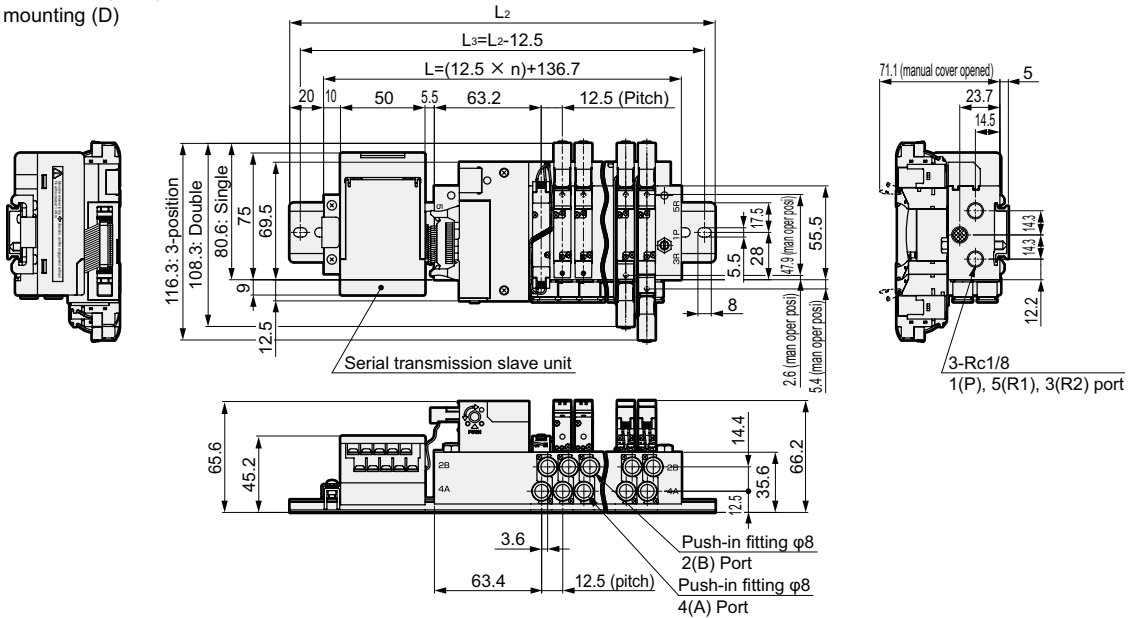
M4GB1-T6D Series

Reduced wiring manifold; base piping; serial transmission

Dimensions

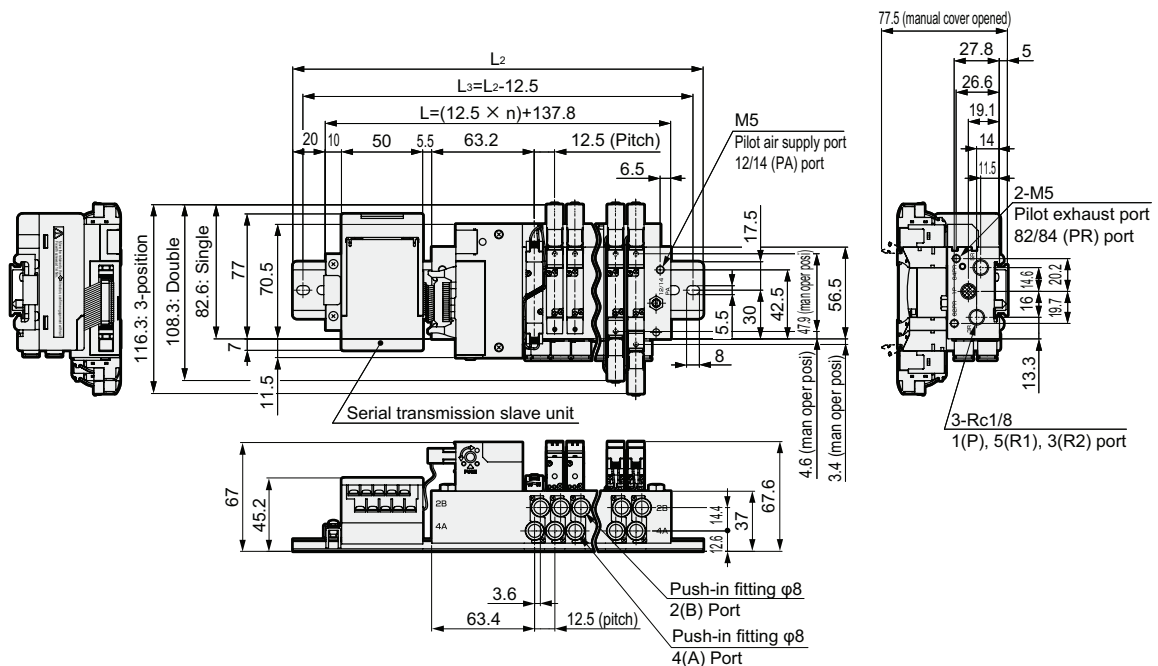
M4GB1-C8

- Serial transmission (T6□)
DIN rail mounting (D)



Str No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	161.7	174.2	186.7	199.2	211.7	224.2	236.7	249.2	261.7	274.2	286.7	299.2	311.7	324.2	336.7
L ₂	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5	325.0	337.5	350.0	362.5	375.0	387.5
L ₃	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5	325.0	337.5	350.0	362.5	375.0

- Serial transmission (T6□)
DIN rail mounting (D): external pilot (K)



Str No.	2	3	4	5	6	7	8	9	10	11	12
L	162.8	175.3	187.8	200.3	212.8	225.3	237.8	250.3	262.8	275.3	287.8
L ₂	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5	325.0	337.5
L ₃	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5	325.0

M4GB1-T8* Series

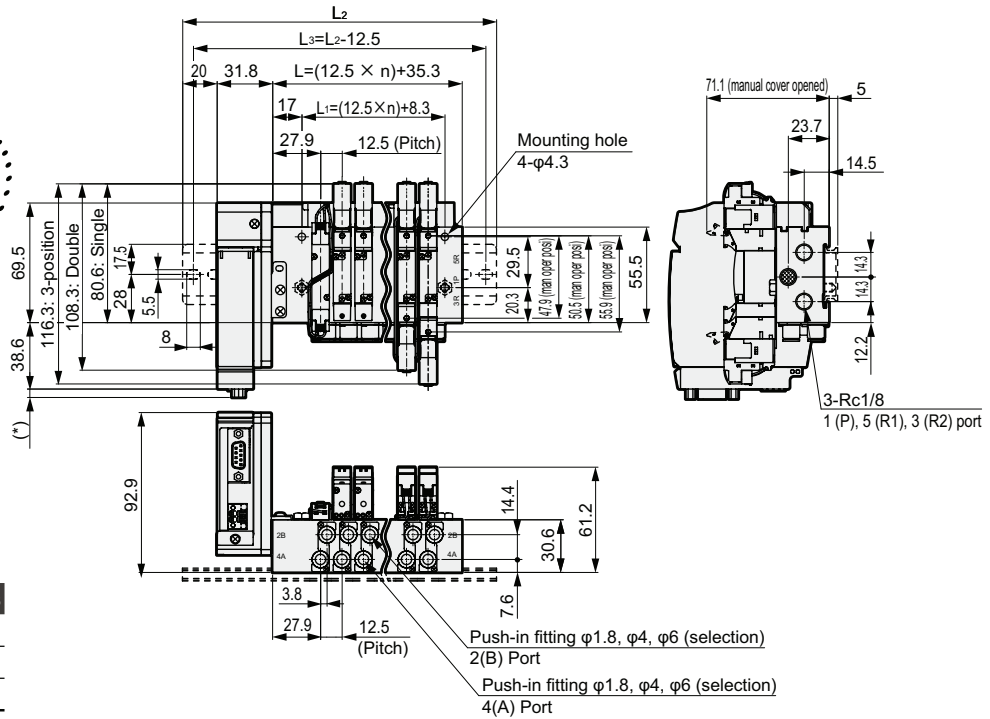
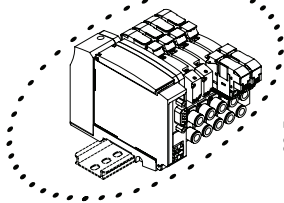
Reduced wiring manifold; base piping; serial transmission

Dimensions



M4GB1

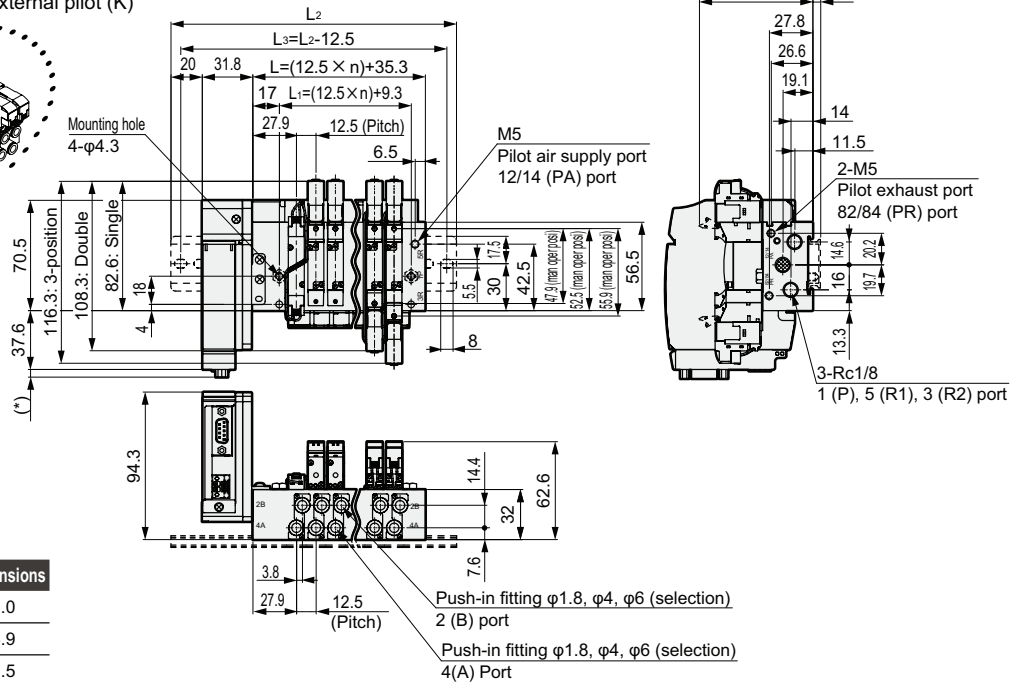
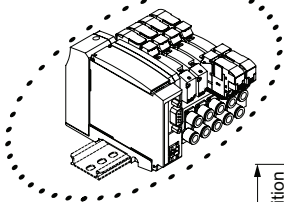
- Serial transmission (T8□)
- DIN rail mounting (D)



Serial transmission	* Dimensions
T8G□	1.0
T8P□	4.9
T8E□	1.5

Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	60.3	72.8	85.3	97.8	110.3	122.8	135.3	147.8	160.3	172.8	185.3	197.8	210.3	222.8	235.3	247.8	260.3	272.8	285.3
L ₁	33.3	45.8	58.3	70.8	83.3	95.8	108.3	120.8	133.3	145.8	158.3	170.8	183.3	195.8	208.3	220.8	233.3	245.8	258.3
L ₂	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5				
L ₃	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0				

- Serial transmission (T8□)
- DIN rail mounting (D); external pilot (K)



Serial transmission	* Dimensions
T8G□	1.0
T8P□	4.9
T8E□	1.5

Stn No.	2	3	4	5	6	7	8	9	10	11	12
L	60.3	72.8	85.3	97.8	110.3	122.8	135.3	147.8	160.3	172.8	185.3
L ₁	34.3	46.8	59.3	71.8	84.3	96.8	109.3	121.8	134.3	146.8	159.3
L ₂	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5
L ₃	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0

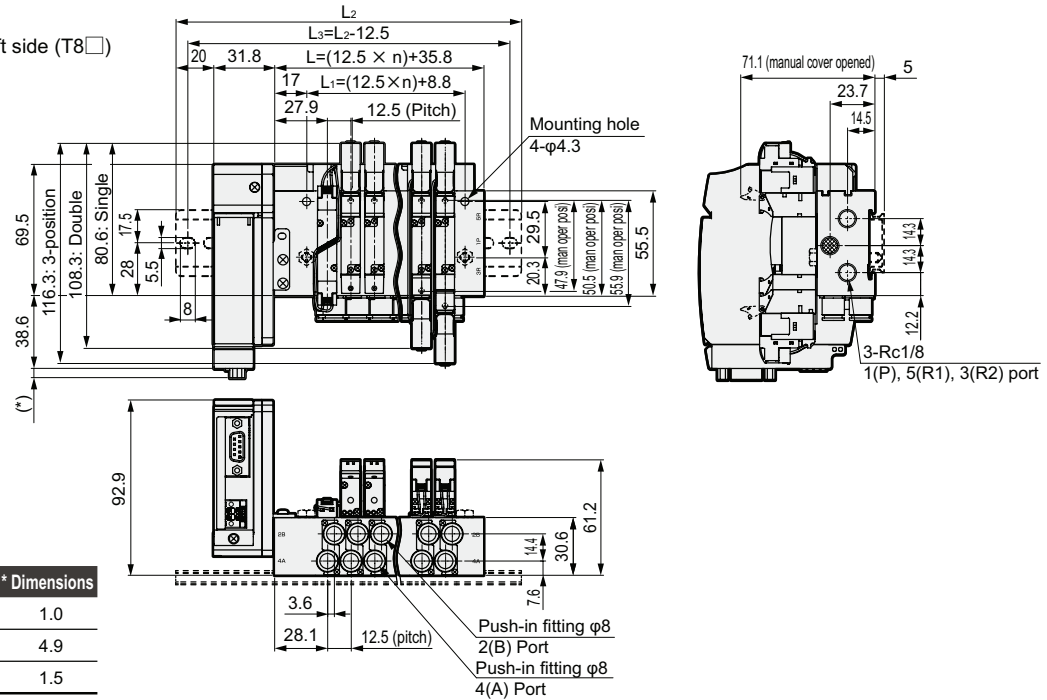
MN4GB1-T8* Series

Reduced wiring manifold; base piping; serial transmission

Dimensions

M4GB1-C8

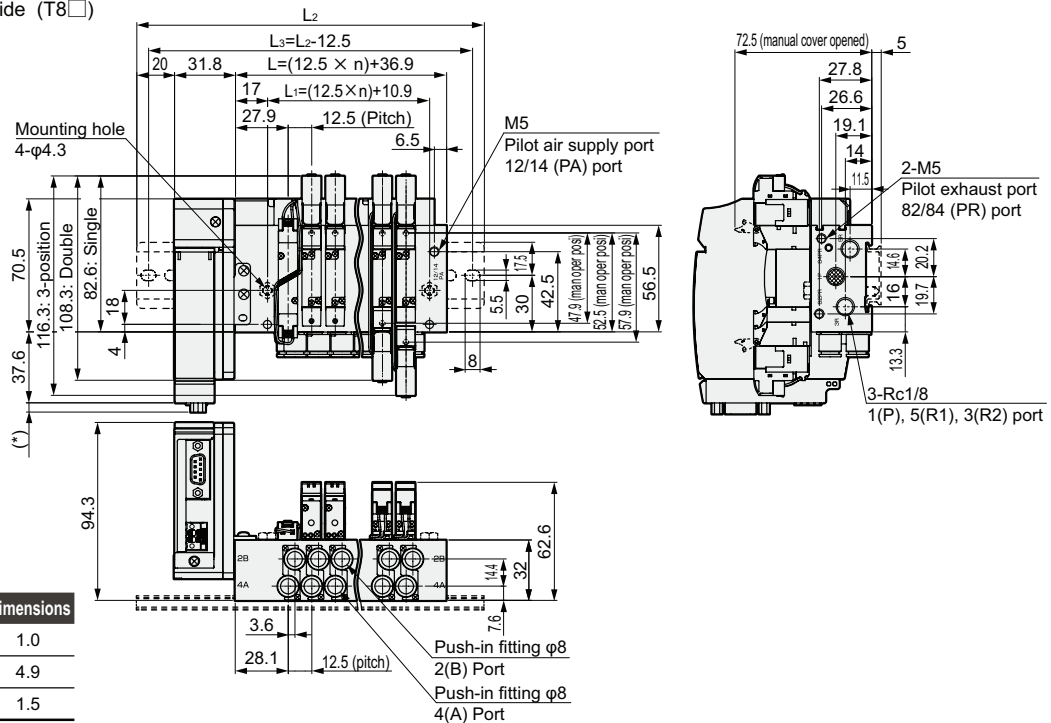
● Reduced wiring left side (T8□)



Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	60.8	73.3	85.8	98.3	110.8	123.3	135.8	148.3	160.8	173.3	185.8	198.3	210.8	223.3	235.8	248.3	260.8	273.3	285.8
L ₁	33.8	46.3	58.8	71.3	83.8	96.3	108.8	121.3	133.8	146.3	158.8	171.3	183.8	196.3	208.8	221.3	233.8	246.3	258.8
L ₂	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0	312.5				
L ₃	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0	287.5	300.0				

● Reduced wiring left side (T8□)

External pilot (K)



Stn No.	2	3	4	5	6	7	8	9	10	11	12
L	61.9	74.4	86.9	99.4	111.9	124.4	136.9	149.4	161.9	174.4	186.9
L ₁	35.9	48.4	60.9	73.4	85.9	98.4	110.9	123.4	135.9	148.4	160.9
L ₂	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5
L ₃	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0

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

M4GB1-T* Series

Reduced wiring manifold; base piping

Dimensions

M4GB1

● Fitting straight

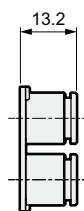
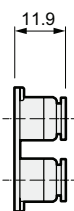
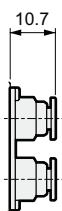
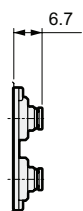
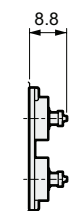
● $\phi 1.8$ (CF)

● $\phi 1.8$ (C18)

● $\phi 4$ (C4)

● $\phi 6$ (C6)

● $\phi 8$ (C8)



● Fitting straight, single plug

● $\phi 1.8$
(CFNC)

● $\phi 1.8$
(C18NC)

● $\phi 4$
(C4NC)

● $\phi 6$
(C6NC)

● $\phi 8$
(C8NC)

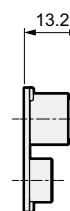
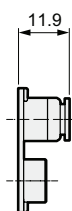
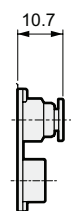
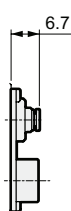
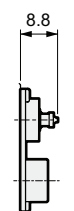
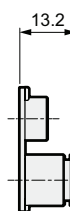
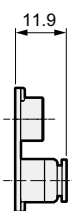
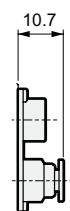
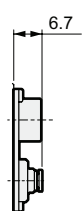
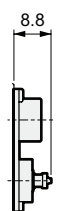
● $\phi 1.8$
(CFNO)

● $\phi 1.8$
(C18NO)

● $\phi 4$
(C4NO)

● $\phi 6$
(C6NO)

● $\phi 8$
(C8NO)



● L Fitting (upward)

● $\phi 1.8$ (CL18)

● $\phi 4$ (CL4)

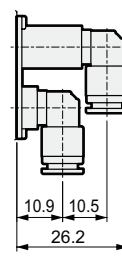
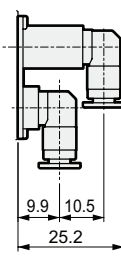
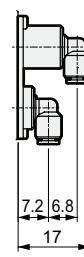
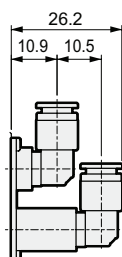
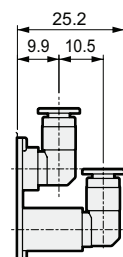
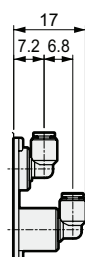
● $\phi 6$ (CL6)

● L Fitting (downward)

● $\phi 1.8$ (CD18)

● $\phi 4$ (CD4)

● $\phi 6$ (CD6)



● L Fitting (upward), single plug

● $\phi 1.8$ (CL18NC)

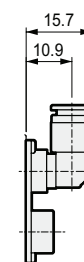
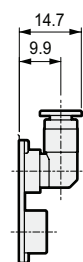
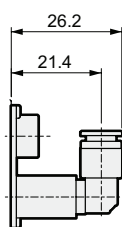
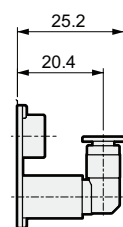
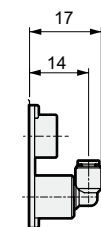
● $\phi 4$ (CL4NC)

● $\phi 6$ (CL6NC)

● $\phi 1.8$ (CL18NO)

● $\phi 4$ (CL4NO)

● $\phi 6$ (CL6NO)



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

● $\phi 1.8$ (CD18NC)

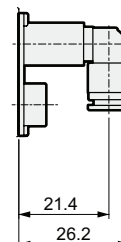
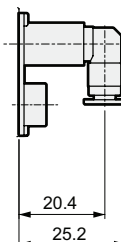
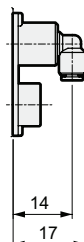
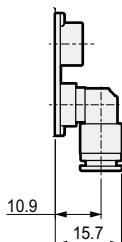
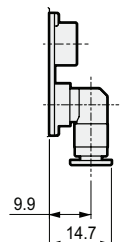
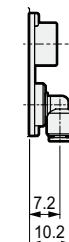
● $\phi 4$ (CD4NC)

● $\phi 6$ (CD6NC)

● $\phi 1.8$ (CD18NO)

● $\phi 4$ (CD4NO)

● $\phi 6$ (CD6NO)

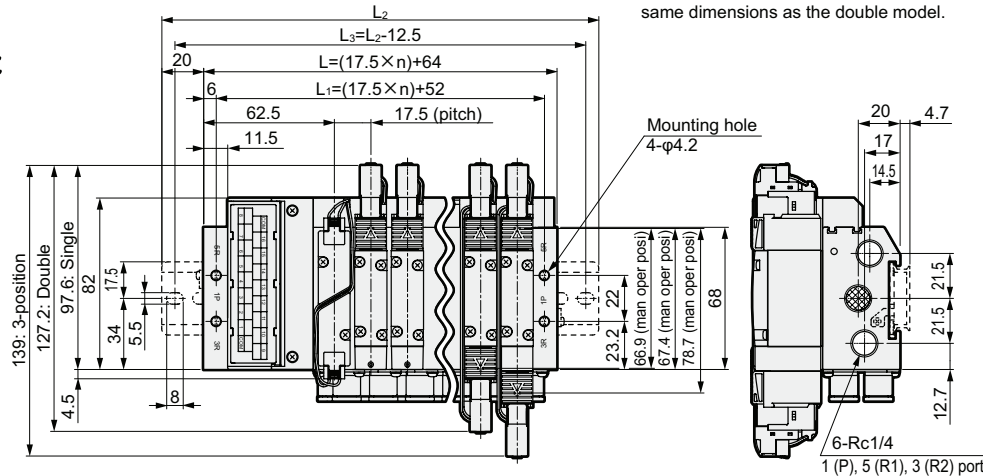
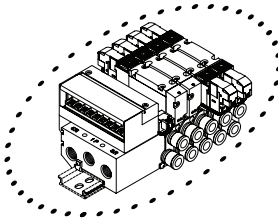


Dimensions



M4GB2

● Reduced wiring left side (T10/T11/T30/T50/T51/T52/T53)

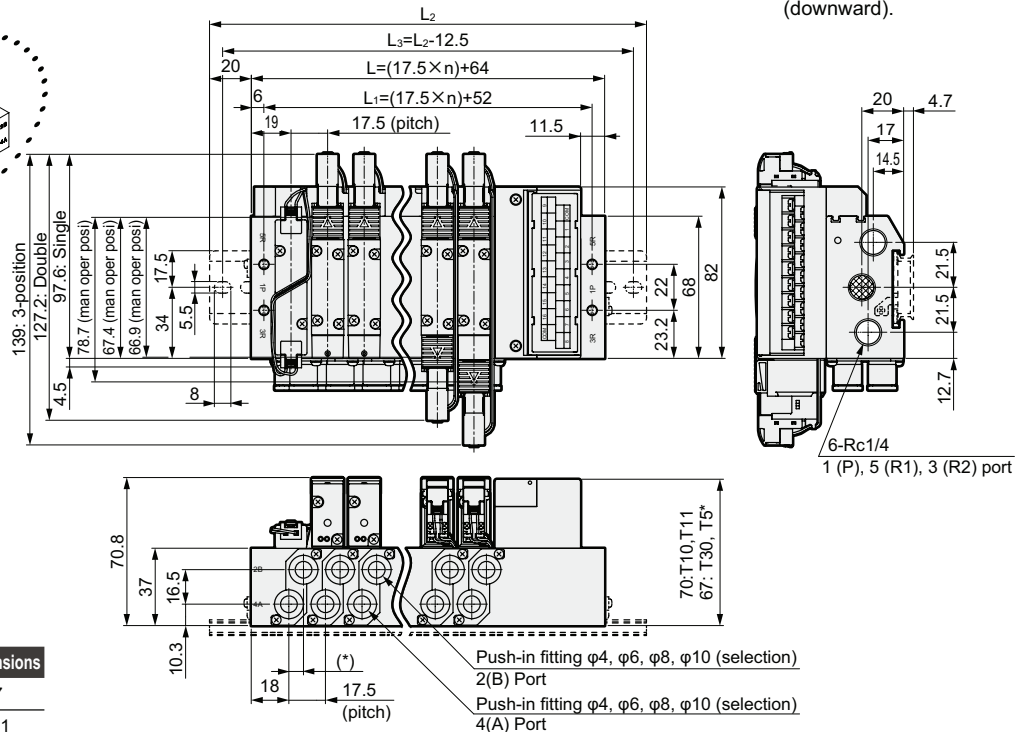
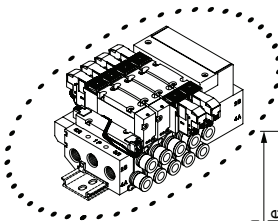


*1 Figure shows T10. Refer to page 183 for detailed wiring block dimensions.

*2 The two 3-port valve integrated has the same dimensions as the double model.

Bore size of A/B port	* Dimensions
$\phi 4, \phi 6, \phi 8$	7
$\phi 10$	8.1

● Reduced wiring right side (T10R/T11R/T30R/T50R/T51R/T52R/T53R)



Note: Refer to page 177 for details on the push-in fitting elbow (upward) (downward).

Bore size of A/B port	* Dimensions
$\phi 4, \phi 6, \phi 8$	7
$\phi 10$	8.1

Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	99.0	116.5	134.0	151.5	169.0	186.5	204.0	221.5	239.0	256.5	274.0	291.5	309.0	326.5	344.0	361.5	379.0	396.5	414.0
L ₁	87.0	104.5	122.0	139.5	157.0	174.5	192.0	209.5	227.0	244.5	262.0	279.5	297.0	314.5	332.0	349.5	367.0	384.5	402.0
L ₂	150.0	162.5	175.0	200.0	212.5	237.5	250.0	262.5	287.5	300.0	325.0	337.5	350.0	375.0	387.5				
L ₃	137.5	150.0	162.5	187.5	200.0	225.0	237.0	250.0	275.0	287.5	312.5	325.0	337.5	362.5	375.0				

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

M4GB2-T* Series

Reduced wiring manifold; base piping

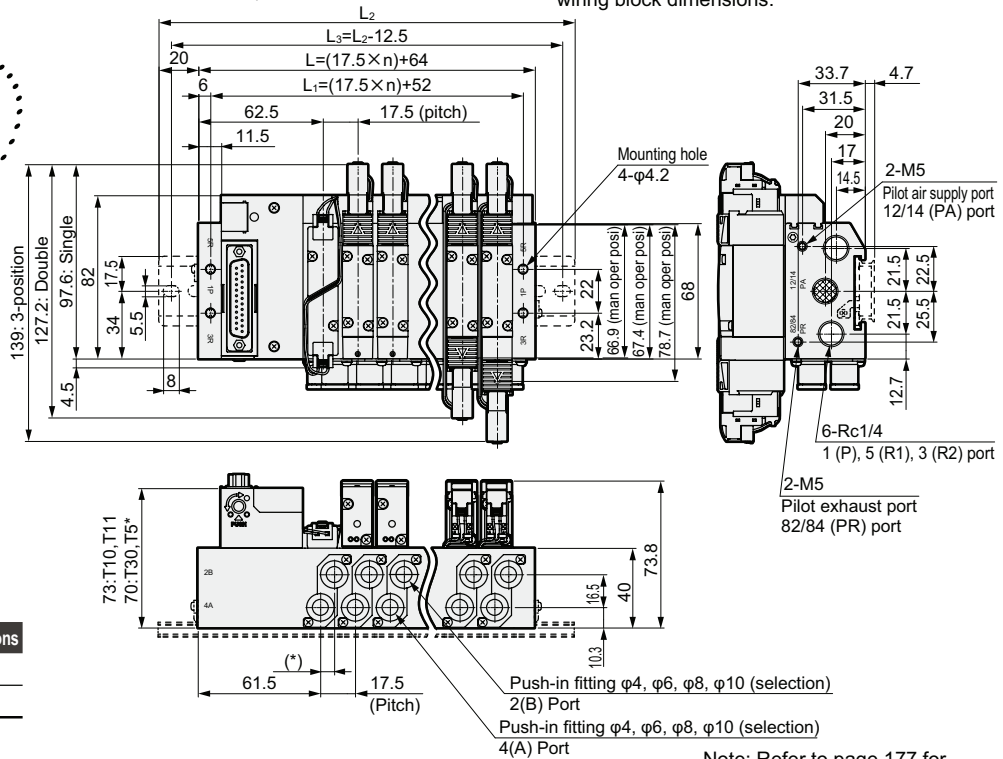
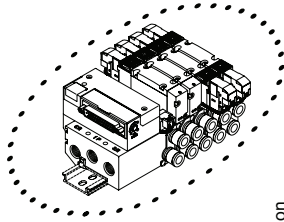
Dimensions



M4GB2

- Reduced wiring left side (T10/T11/T30/T50/T51/T52/T53)

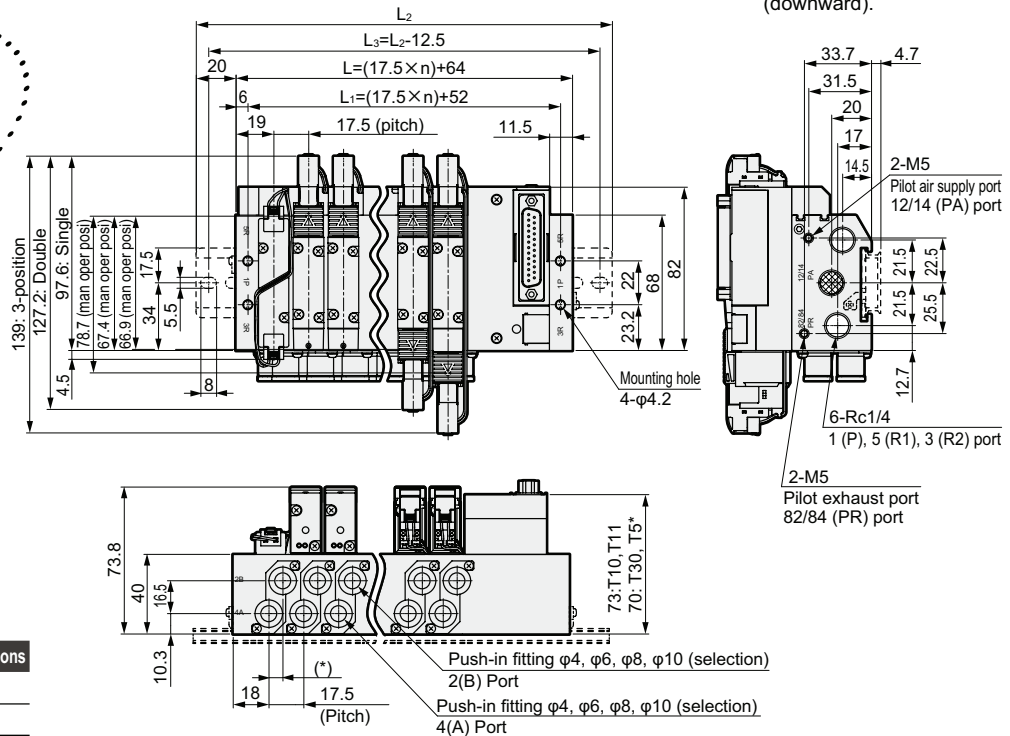
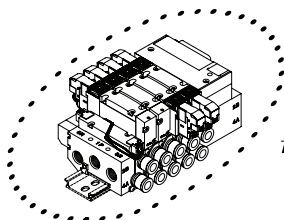
External pilot (K)



Bore size of A/B port	Dimensions
φ4, φ6, φ8	7
φ10	8.1

- Reduced wiring right side (T10R/T11R/T30R/T50R/T51R/T52R/T53R)

External pilot (K)



Bore size of A/B port	Dimensions
φ4, φ6, φ8	7
φ10	8.1

Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	99.0	116.5	134.0	151.5	169.0	186.5	204.0	221.5	239.0	256.5	274.0	291.5	309.0	326.5	344.0	361.5	379.0	396.5	414.0
L ₁	87.0	104.5	122.0	139.5	157.0	174.5	192.0	209.5	227.0	244.5	262.0	279.5	297.0	314.5	332.0	349.5	367.0	384.5	402.0
L ₂	150.0	162.5	175.0	200.0	212.5	237.5	250.0	262.5	287.5	300.0	325.0	337.5	350.0	375.0	387.5				
L ₃	137.5	150.0	162.5	187.5	200.0	225.0	237.5	250.0	275.0	287.5	312.5	325.0	337.5	362.5	375.0				

M4GB2-T6D Series

Reduced wiring manifold; base piping; serial transmission

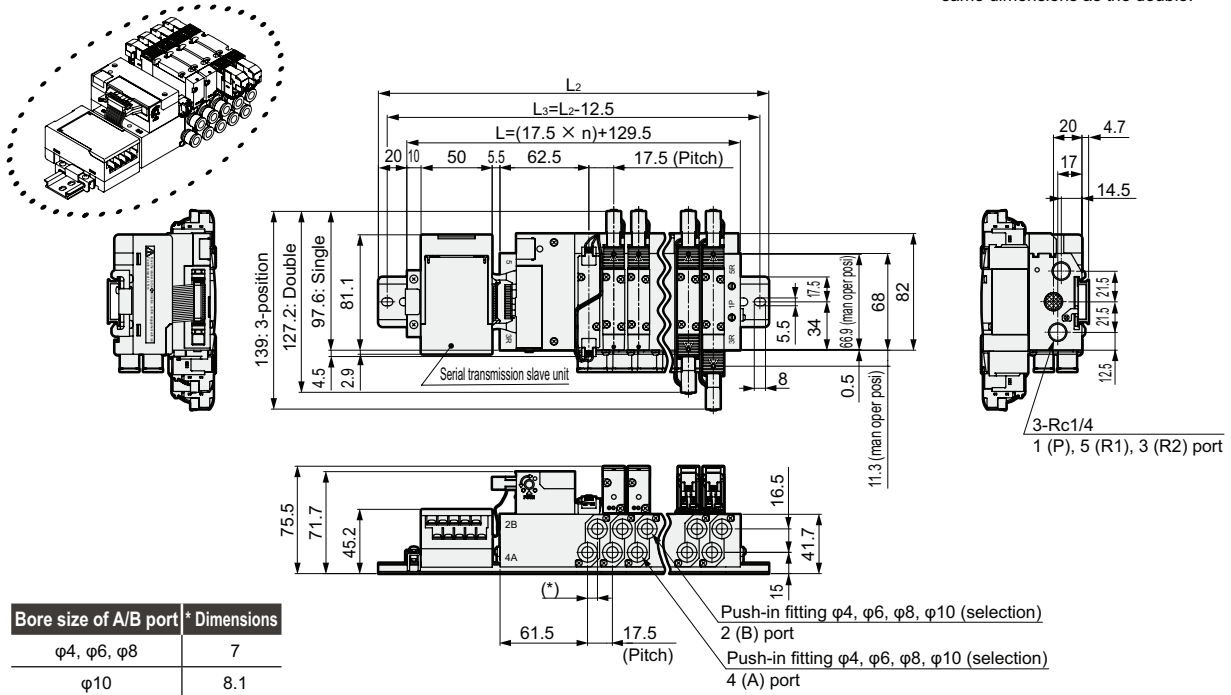
Dimensions



M4GB2

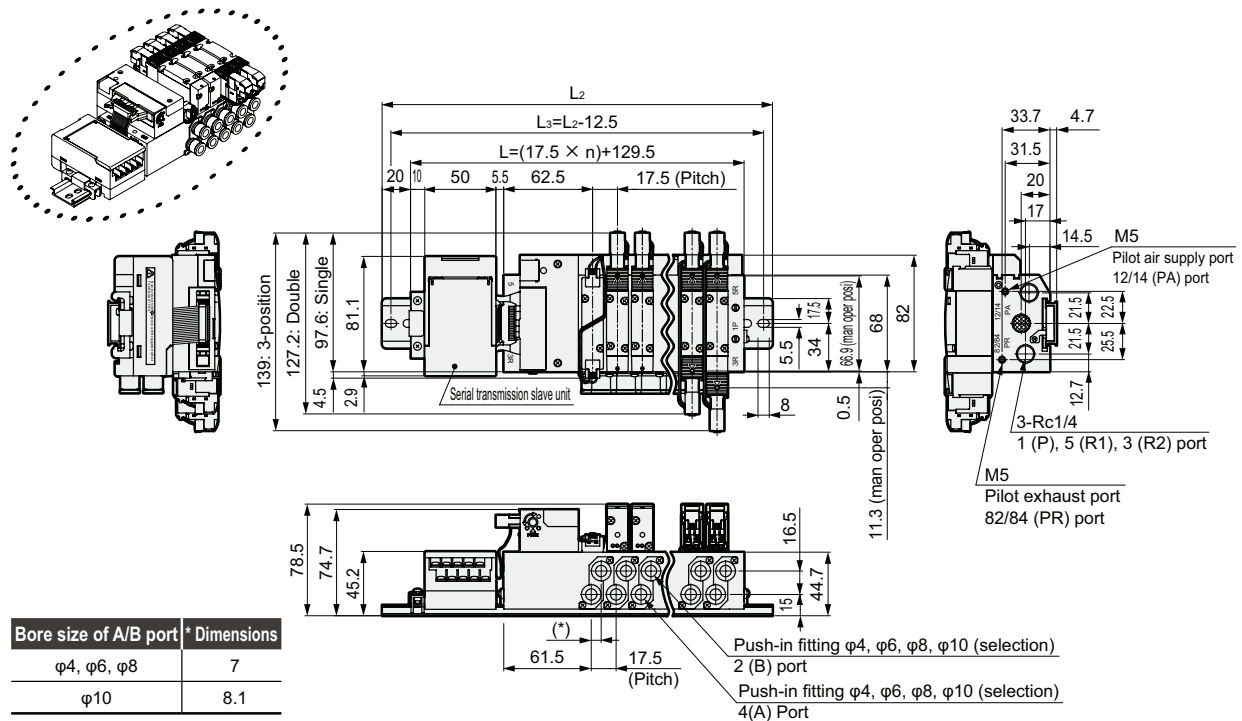
- Serial transmission (T6□)
DIN rail mounting (D)

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



- Serial transmission (T6□)
DIN rail mounting (D); external pilot (K)

Note: Refer to page 177 for details on the push-in fitting elbow (upward) (downward).



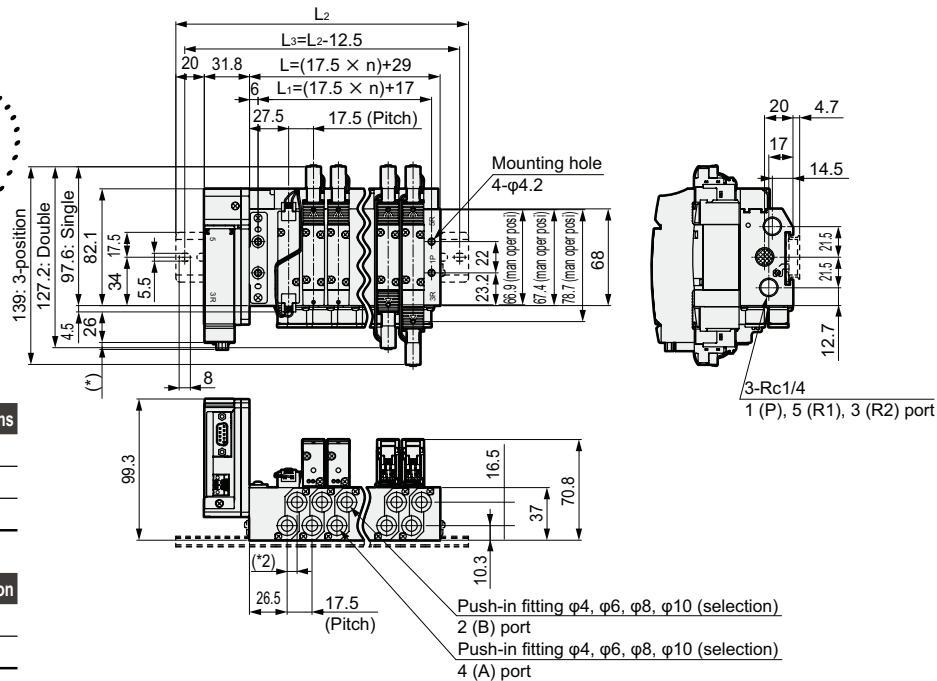
Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	164.5	182.0	199.5	217.0	234.5	252.0	269.5	287.0	304.5	322.0	339.5	357.0	374.5	392.0	409.5
L ₂	212.5	225.0	250.0	262.5	275.0	300.0	312.5	337.5	350.0	362.5	387.5	400.0	425.0	437.5	450.0
L ₃	200.0	212.5	237.5	250.0	262.5	287.5	300.0	325.0	337.5	350.0	375.0	387.5	412.5	425.0	437.5

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

Reduced wiring manifold; base piping; serial transmission

M4GB2

-



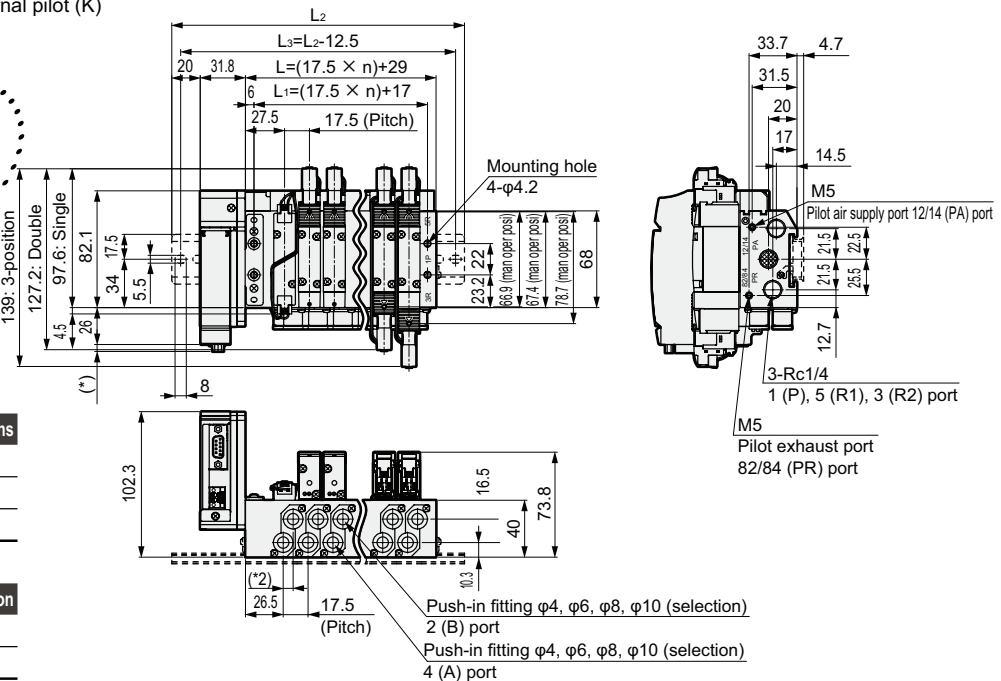
Serial transmission	* Dimensions
T8G□	1.0
T8P□	4.9
T8E□	1.5

*2

Bore size of A/B port	*2 dimension
φ4, φ6, φ8	7
φ10	8.1

Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	64.0	81.5	99.0	116.5	134.0	151.5	169.0	186.5	204.0	221.5	239.0	256.5	274.0	291.5	309.0	326.5	344.0	361.5	379.0
L ₁	52.0	69.5	87.0	104.5	122.0	139.5	157.0	174.5	192.0	209.5	227.0	244.5	262.0	279.5	297.0	314.5	332.0	349.5	367.0
L ₂	137.5	162.5	175.0	200.0	212.5	225.0	250.0	262.5	287.5	300.0	312.5	337.5	350.0	375.0	387.5				
L ₃	125.0	150.0	162.5	187.5	200.0	212.5	237.5	250.0	275.0	287.5	300.0	325.0	337.5	362.5	375.0				

-
- position



Serial transmission	* Dimensions
T8G□	1.0
T8P□	4.9
T8E□	1.5

*2

Bore size of A/B port	*2 dimension
φ4, φ6, φ8	7
φ10	8.1

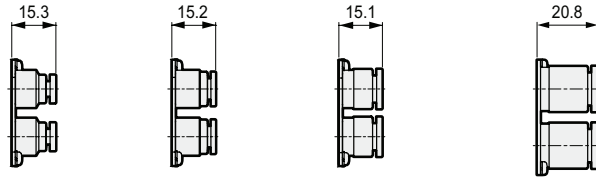
Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	64.0	81.5	99.0	116.5	134.0	151.5	169.0	186.5	204.0	221.5	239.0	256.5	274.0	291.5	309.0	326.5	344.0	361.5	379.0
L ₁	52.0	69.5	87.0	104.5	122.0	139.5	157.0	174.5	192.0	209.5	227.0	244.5	262.0	279.5	297.0	314.5	332.0	349.5	367.0
L ₂	137.5	162.5	175.0	200.0	212.5	225.0	250.0	262.5	287.5	300.0	312.5	337.5	350.0	375.0	387.5				
L ₃	125.0	150.0	162.5	187.5	200.0	212.5	237.5	250.0	275.0	287.5	300.0	325.0	337.5	362.5	375.0				

Dimensions

M4GB2

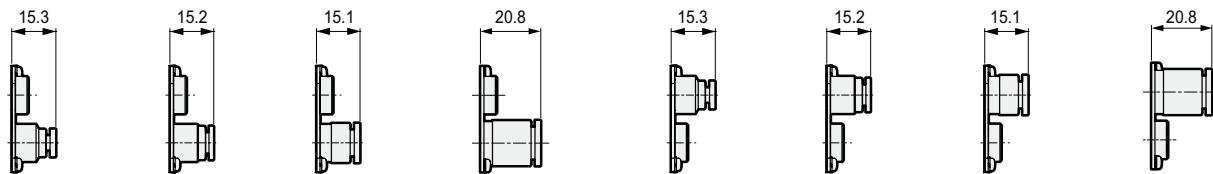
● Fitting straight

● $\phi 4$ (C4) ● $\phi 6$ (C6) ● $\phi 8$ (C8) ● $\phi 10$ (C10)



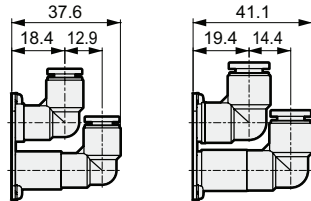
● Fitting straight, single plug

● $\phi 4$ (C4NC) ● $\phi 6$ (C6NC) ● $\phi 8$ (C8NC) ● $\phi 10$ (C10NC) ● $\phi 4$ (C4NO) ● $\phi 6$ (C6NO) ● $\phi 8$ (C8NO) ● $\phi 10$ (C10NO)



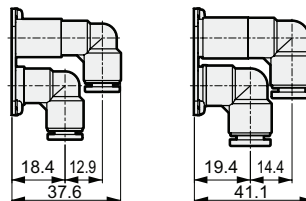
● L Fitting (upward)

● $\phi 6$ (CL6) ● $\phi 8$ (CL8)



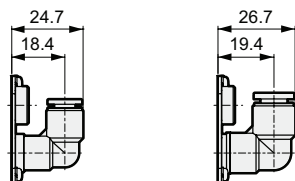
● L Fitting (downward)

● $\phi 6$ (CD6) ● $\phi 8$ (CD8)



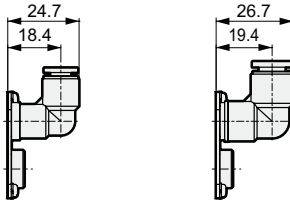
● L Fitting (upward), single plug

● $\phi 6$ (CL6NC) ● $\phi 8$ (CL8NC)



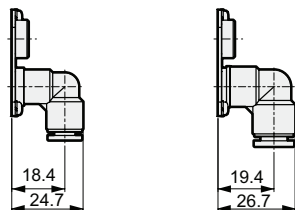
● $\phi 6$ (CL6NO)

● $\phi 8$ (CL8NO)



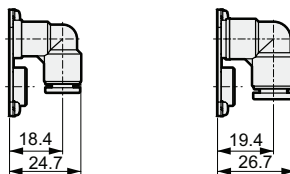
● L Fitting (downward), single plug

● $\phi 6$ (CD6NC) ● $\phi 8$ (CD8NC)



● $\phi 6$ (CD6NO)

● $\phi 8$ (CD8NO)

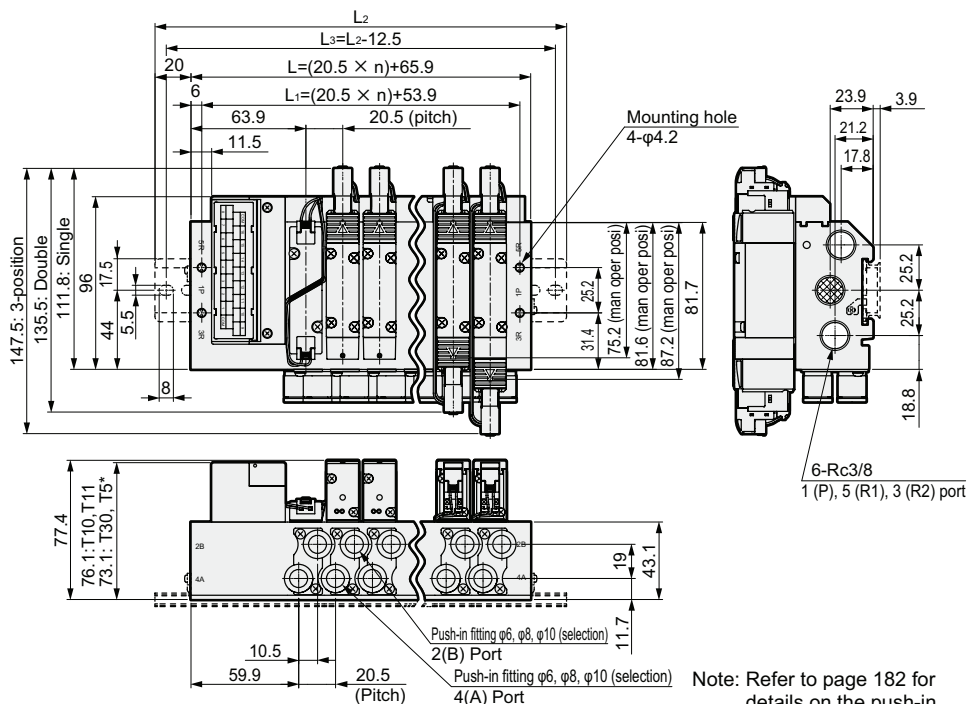
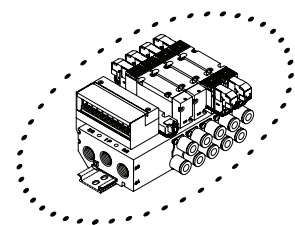


4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
4TB
4L2-4/ LMF0
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G
GMF
PV5
GMF
PV5S-0
3QR
3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/ NVP
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD
Silencer
TotAirSys (Total Air)
TotAirSys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

Reduced wiring manifold; base piping

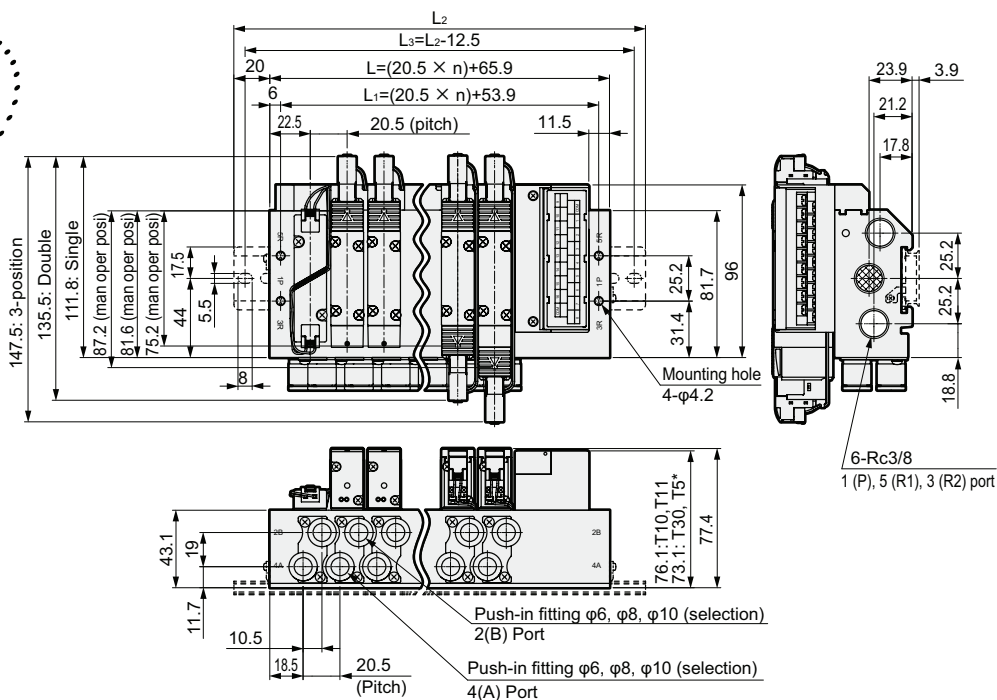
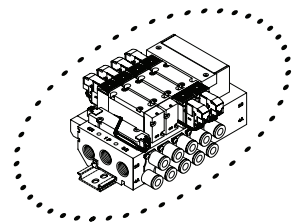
● Reduced wiring left side (T10/T11/T30/T50/T51/T52/T53)

* Figure shows T10. Refer to page 183 for detailed wiring block dimensions.



Note: Refer to page 182 for details on the push-in fitting elbow (upward) (downward).

● Reduced wiring right side (T10R/T11R/T30R/T50R/T51R/T52R/T53R)



Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	106.9	127.4	147.9	168.4	188.9	209.4	229.9	250.4	270.9	291.4	311.9	332.4	352.9	373.4	393.9
L ₁	94.9	115.4	135.9	156.4	176.9	197.4	217.9	238.4	258.9	279.4	299.9	320.4	340.9	361.4	381.9
L ₂	150.0	175.0	200.0	212.5	237.5	250.0	275.0	300.0	312.5	337.5	362.5	375.0	400.0	412.5	437.5
L ₃	137.5	162.5	187.5	200.0	225.0	237.5	262.5	287.5	300.0	325.0	350.0	362.5	387.5	400.0	425.0

M4GB3-T* Series

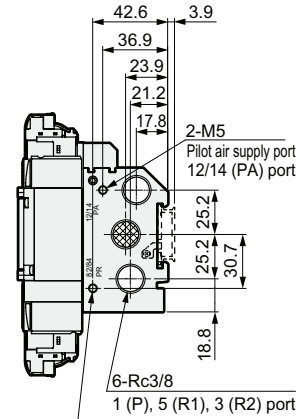
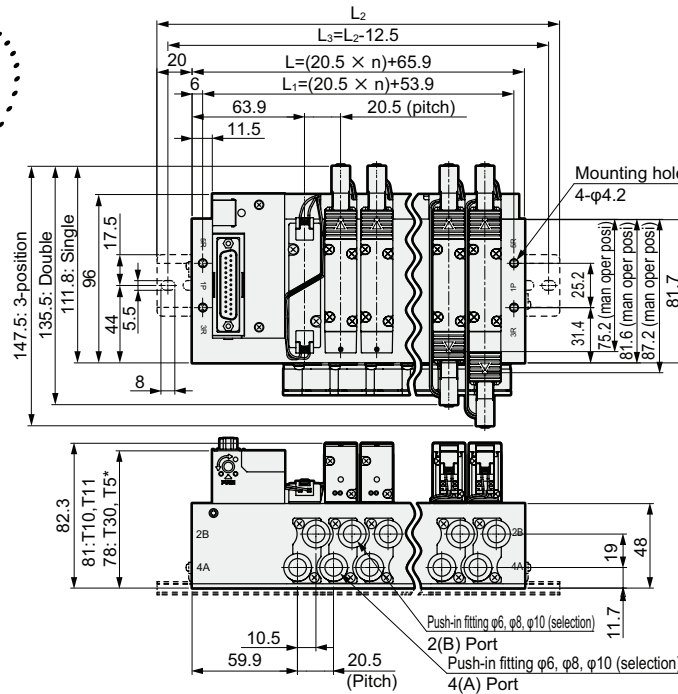
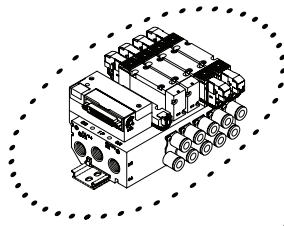
Reduced wiring manifold; base piping

Dimensions



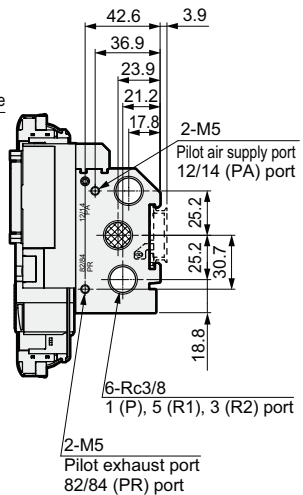
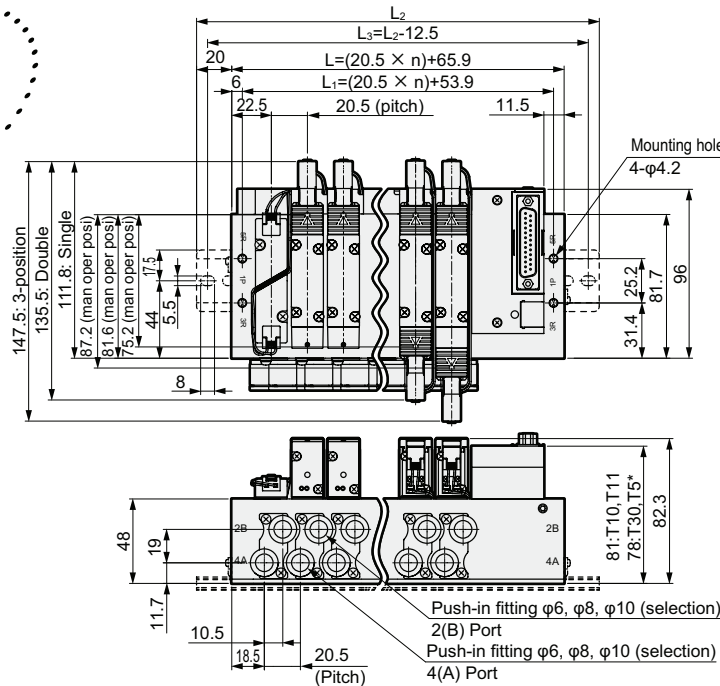
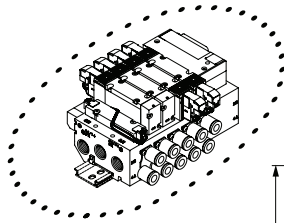
M4GB3

- Reduced wiring left side (T10/T11/T30/T50/T51/T52/T53)
External pilot (K)



Note: Refer to page 182 for details on the push-in fitting elbow (upward) (downward).

- Reduced wiring right side (T10R/T11R/T30R/T50R/T51R/T52R/T53R)
External pilot (K)



Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	106.9	127.4	147.9	168.4	188.9	209.4	229.9	250.4	270.9	291.4	311.9	332.4	352.9	373.4	393.9
L ₁	94.9	115.4	135.9	156.4	176.9	197.4	217.9	238.4	258.9	279.4	299.9	320.4	340.9	361.4	381.9
L ₂	150.0	175.0	200.0	212.5	237.5	250.0	275.0	300.0	312.5	337.5	362.5	375.0	400.0	412.5	437.5
L ₃	137.5	162.5	187.5	200.0	225.0	237.5	262.5	287.5	300.0	325.0	350.0	362.5	387.5	400.0	425.0

M4GB3-T6D Series

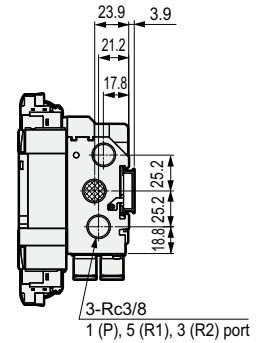
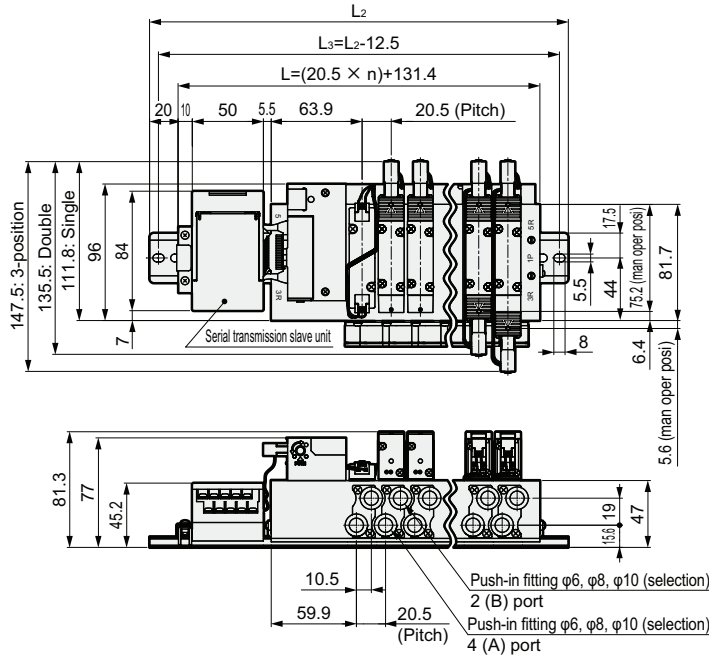
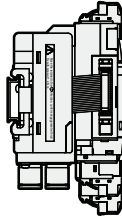
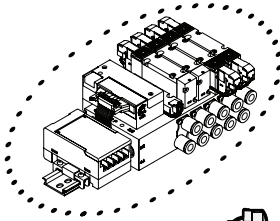
Reduced wiring manifold; base piping; serial transmission

Dimensions



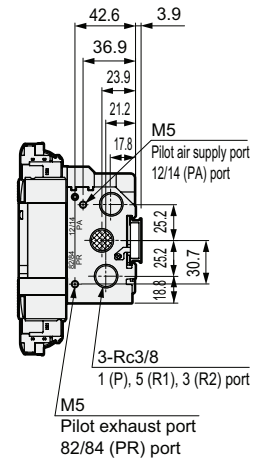
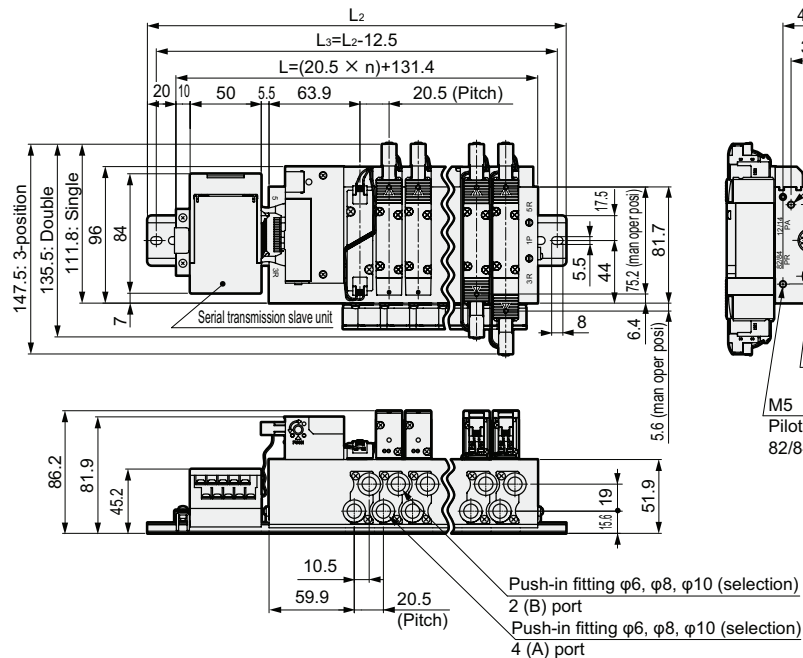
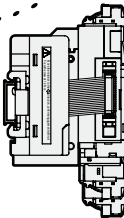
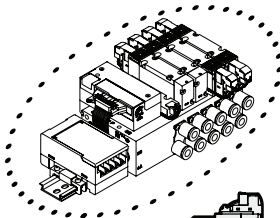
M4GB3

- Serial transmission (T6□)
DIN rail mounting (D)



Note: Refer to page 182 for details on the push-in fitting elbow (upward) (downward).

- Serial transmission (T6□)
DIN rail mounting (D); external pilot (K)



Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	172.4	192.9	213.4	233.9	254.4	274.9	295.4	315.9	336.4	356.9	377.4	397.9	418.4	438.9	459.4
L ₂	212.5	237.5	262.5	275.0	300.0	325.0	337.5	362.5	387.5	400.0	425.0	450.0	462.5	487.5	500.0
L ₃	200.0	225.0	250.0	262.5	287.5	312.5	325.0	350.0	375.0	387.5	412.5	437.5	450.0	475.0	487.5

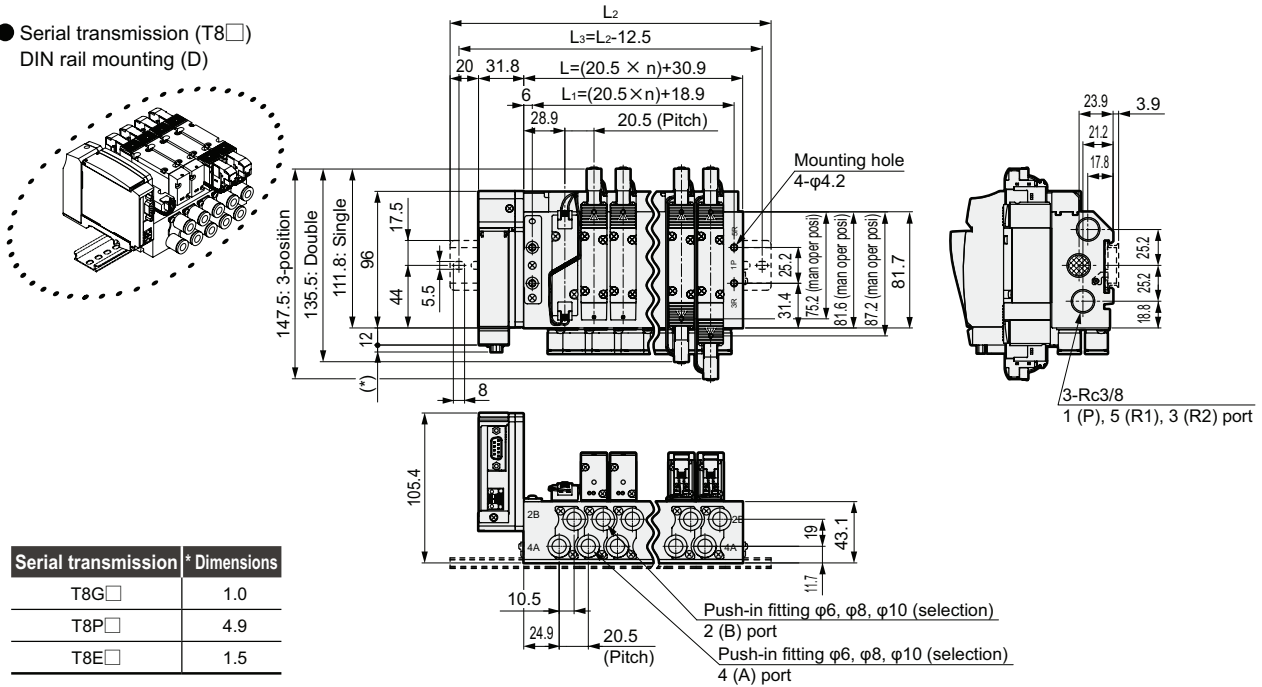
M4GB3-T8* Series

Reduced wiring manifold; base piping; serial transmission

Dimensions

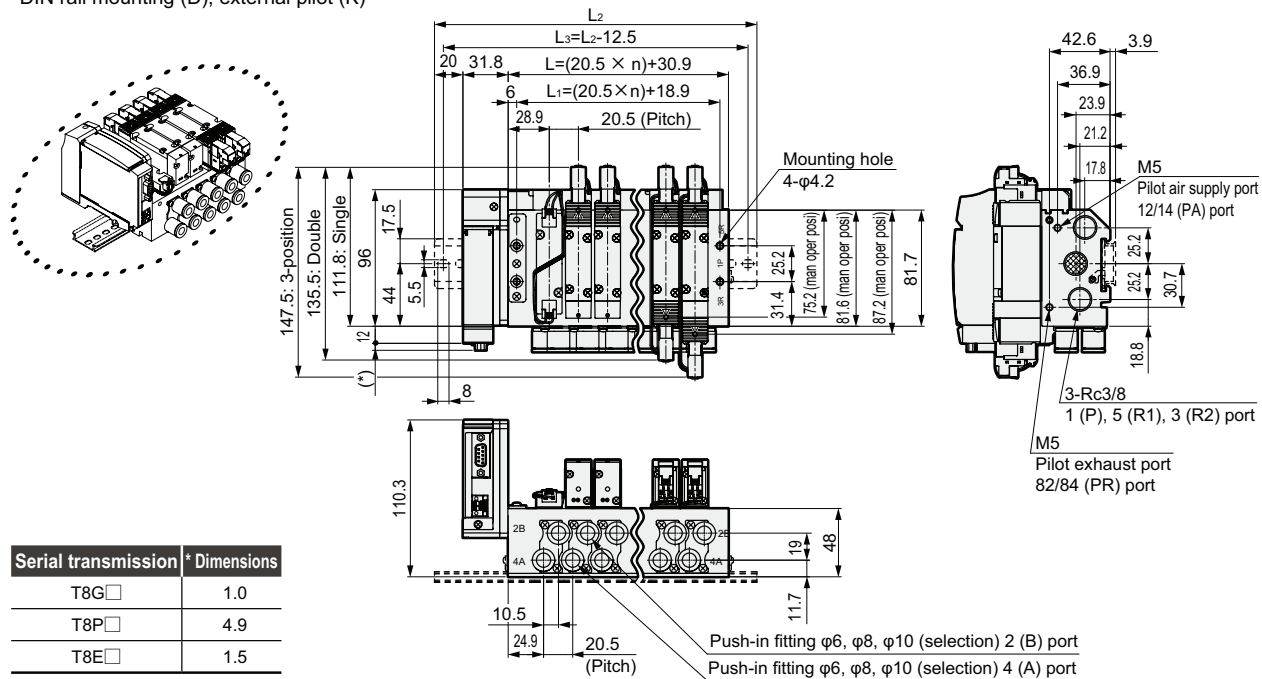
M4GB3

- Serial transmission (T8□)
DIN rail mounting (D)



Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	71.9	92.4	112.9	133.4	153.9	174.4	194.9	215.4	235.9	256.4	276.9	297.4	317.9	338.4	358.9
L ₁	59.9	80.4	100.9	121.4	141.9	162.4	182.9	203.4	223.9	244.4	264.9	285.4	305.9	326.4	346.9
L ₂	150.0	175.0	187.5	212.5	237.5	250.0	275.0	287.5	312.5	337.5	350.0	375.0	400.0	412.5	437.5
L ₃	137.5	162.5	175.0	200.0	225.0	237.5	262.5	275.0	300.0	325.0	337.5	362.5	387.5	400.0	425.0

- Serial transmission (T8□)
DIN rail mounting (D); external pilot (K)



Stn No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	71.9	92.4	112.9	133.4	153.9	174.4	194.9	215.4	235.9	256.4	276.9	297.4	317.9	338.4	358.9
L ₁	59.9	80.4	100.9	121.4	141.9	162.4	182.9	203.4	223.9	244.4	264.9	285.4	305.9	326.4	346.9
L ₂	150.0	175.0	187.5	212.5	237.5	250.0	275.0	287.5	312.5	337.5	350.0	375.0	400.0	412.5	437.5
L ₃	137.5	162.5	175.0	200.0	225.0	237.5	262.5	275.0	300.0	325.0	337.5	362.5	387.5	400.0	425.0

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

M4GB3-T* Series

Reduced wiring manifold; base piping

Dimensions

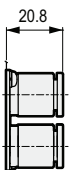
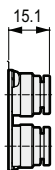
M4GB3

● Fitting straight

● $\phi 6$ (C6)

● $\phi 8$ (C8)

● $\phi 10$ (C10)



● Fitting straight, single plug

● $\phi 6$ (C6NC)

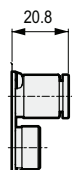
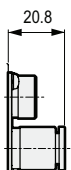
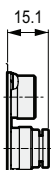
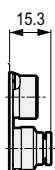
● $\phi 8$ (C8NC)

● $\phi 10$ (C10NC)

● $\phi 6$ (C6NO)

● $\phi 8$ (C8NO)

● $\phi 10$ (C10NO)



● L Fitting (upward)

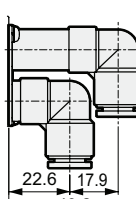
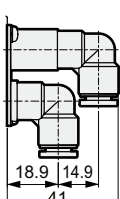
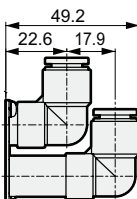
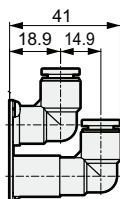
● $\phi 8$ (CL8)

● $\phi 10$ (CL10)

● L Fitting (downward)

● $\phi 8$ (CD8)

● $\phi 10$ (CD10)



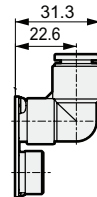
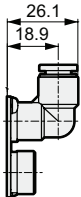
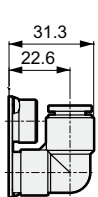
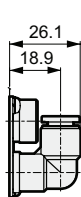
● L Fitting (upward), single plug

● $\phi 8$ (CL8NC)

● $\phi 10$ (CL10NC)

● $\phi 8$ (CL8NO)

● $\phi 10$ (CL10NO)



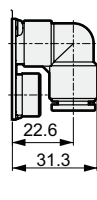
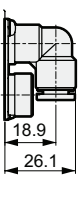
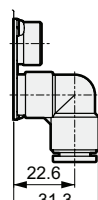
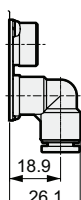
● L Fitting (downward), single plug

● $\phi 8$ (CD8NC)

● $\phi 10$ (CD10NC)

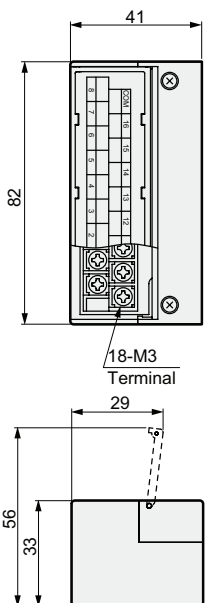
● $\phi 8$ (CD8NO)

● $\phi 10$ (CD10NO)

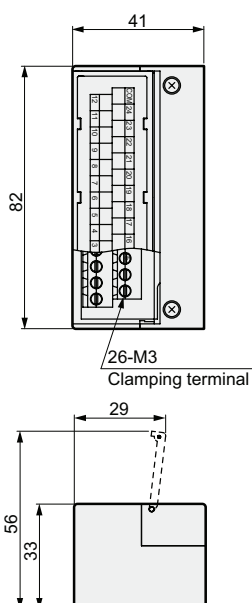


Reduced wiring part: Dimensions

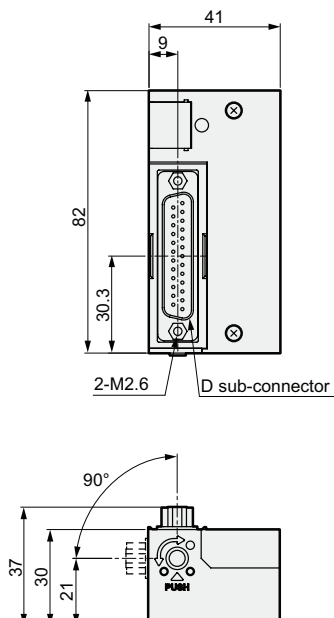
- Common terminal block (M3 thread)
T10



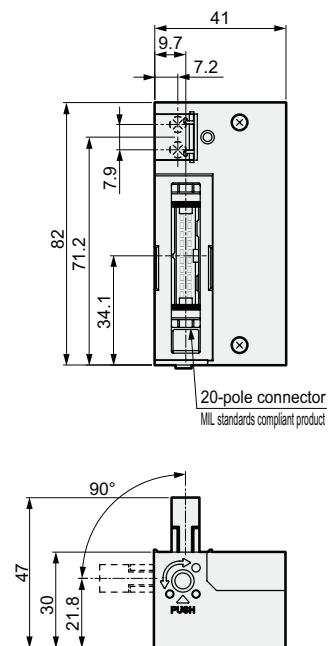
- Common terminal block (clamping)
T11



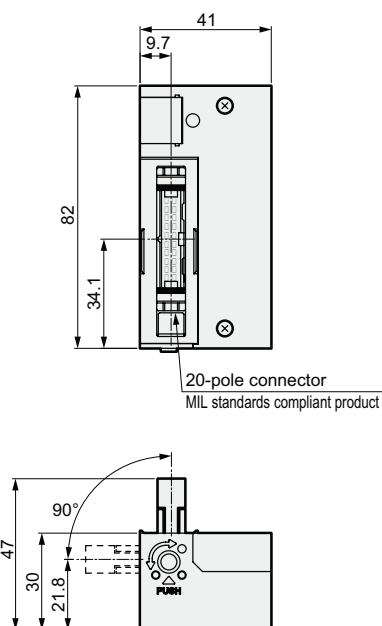
- D sub-connector
T30



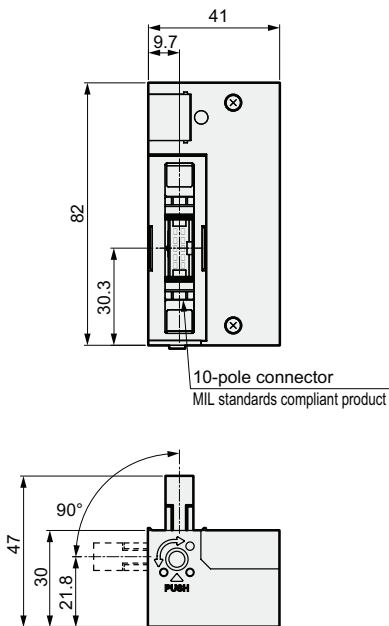
- 20-pin flat cable connector
(with power supply terminal) T50



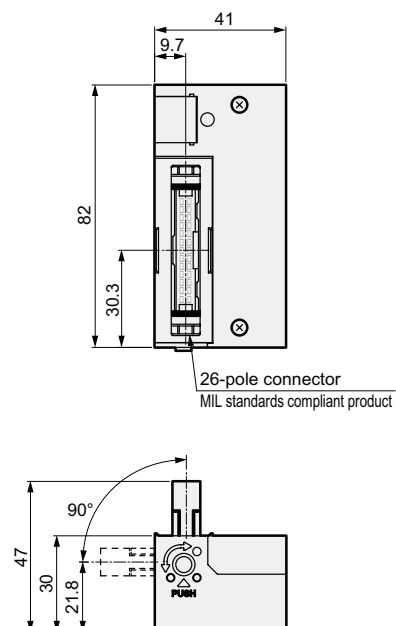
- 20-pin flat cable connector
(without power supply terminal) T51



- 10-pin flat cable connector
(without power supply terminal) T52



- 26-pin flat cable connector
(without power supply terminal) T53



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

M4GB1/2/3-T6D/T8* Series

Reduced wiring manifold; base piping; serial transmission

● Discrete serial transmission slave unit model No.

4GR - **OPP3** - **0A**

A Wiring method

Code	Content			
A Wiring method				
0A	T6A0	UNIWIRED SYSTEM	NPN	8 points
1A	T6A1			16 points
0C	T6C0	CompoBus/S		8 points
1C	T6C1			16 points
0E	T6E0	S-LINK		8 points
1E	T6E1			16 points
1G	T6G1	CC-LINK		16 points
0J	T6J0	UNIWIRED H SYSTEM		8 points
1J	T6J1			16 points

● Discrete serial transmission slave unit model No.

4GR - **OPP7** - **2G**

A Wiring method

Code	Content			
A Wiring method				
1G	T8G1	CC-Link (thin)	NPN	16 points
2G	T8G2		32 points	
1G-P	T8GP1		16 points	
2G-P	T8GP2		32 points	
1P	T8P1	PROFIBUS-DP (thin)	NPN	16 points
2P	T8P2		32 points	
1P-P	T8PP1		16 points	
2P-P	T8PP2		32 points	
1EC	T8EC1	EtherCAT (thin)	NPN	16 points
2EC	T8EC2		32 points	
1EC-P	T8ECP1		16 points	
2EC-P	T8ECP2		32 points	
1EN	T8EN1	EtherNet/IP (thin)	NPN	16 points
2EN	T8EN2		32 points	
1EN-P	T8ENP1		16 points	
2EN-P	T8ENP2		32 points	

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