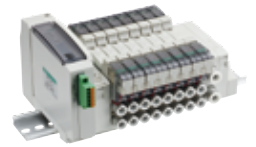


## IO-Link Compatible Serial Transmission Slave Unit



## M4G/MN4G-T8 Series

# ONE CABLE

Reduced wiring up to the power cable

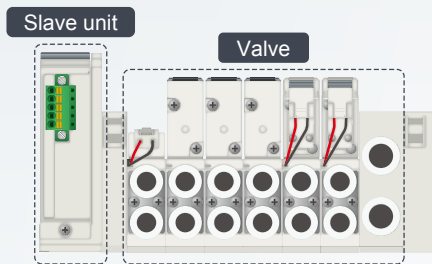


# 4G series + IO-Link changes

## Information from production sites monitored through valves



### Information monitored / set by slave stations (units)



#### Unit power ON time

Unit power ON threshold setting

#### Valve ON count

Threshold setting for the valve ON count

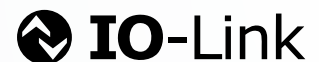
#### Tag plate setting

Arbitrary names can be assigned to each solenoid.

### Applications

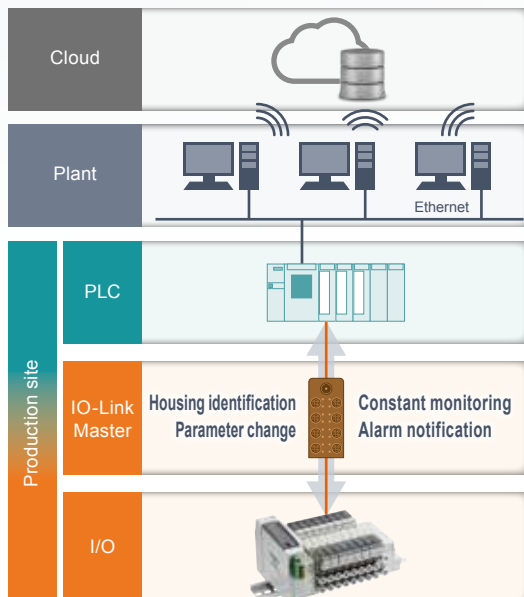
- Shows the operating time of the device.
- Enables preventive maintenance by confirming the operational cycles of cylinder actuators etc. according to threshold values.
- As there is a tag plate on the network, an overview of the equipment can be achieved without looking at a circuit diagram or the equipment itself.

## IO-Link model available



IO-Link is a digital communication standard for sensors/actuators at factory sites. (IEC 61131-9)

Unlike analog communication, it enables the transmission of parameters and event data.



### Features of IO-Link



Constant monitoring via digital data is possible.



Parameters can be set and changed via the network, enabling remote equipment operation.



Models, serial numbers, etc., can be confirmed on the network.



The settings can be copied from the master (scanner), making parameter reconfiguration after maintenance obsolete.



Device failure and disconnection can be confirmed.



It can also be converted to Ethernet networks and connected, enabling devices to be IoT-ready.

# the work site

## Connects to both Class A and B IO-Link Master

Since the solenoid valve manifold slave unit is for both port classes A and B, it can be connected to either a Class A or B IO-Link Master simply by changing the wiring method.

### Class A

Unit power supply → Powered from IO-Link Master  
Valve power supply → Separately prepared 24 VDC

#### Advantages

- Since the valve power supply is prepared individually, there is no need to determine the power supply capacity of the IO-Link Master.
- The solenoid valve power supply can be turned OFF while the communication power supply is ON.

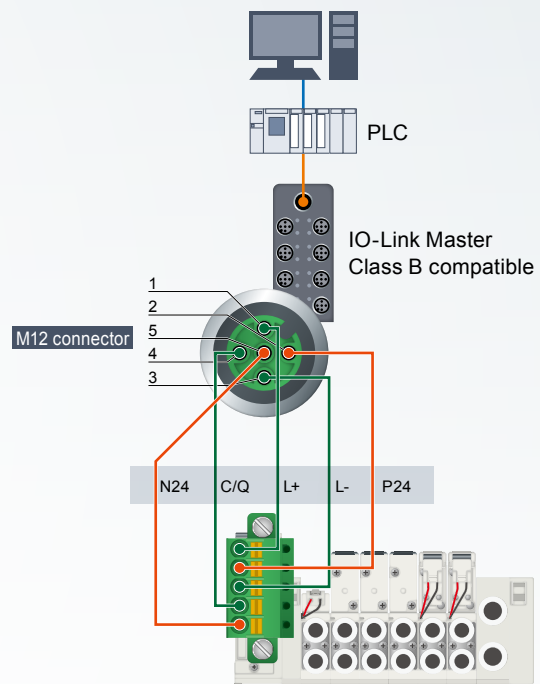
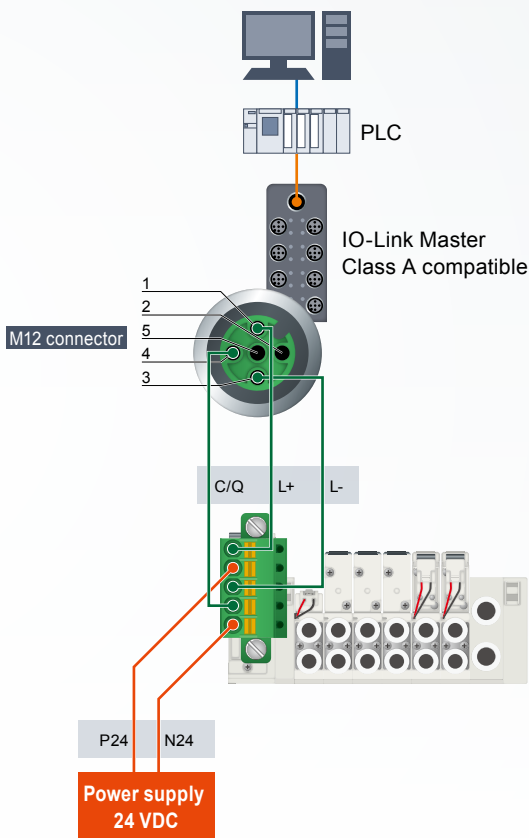
### Class B

Unit power supply → Powered from IO-Link Master  
Valve power supply → Powered from IO-Link Master

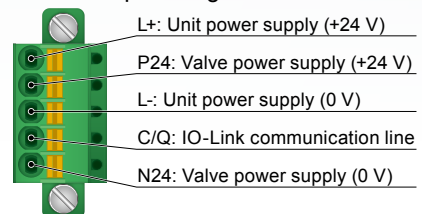
#### Advantages

- Only one cable required for wiring.
- IO-Link Master enables collective power management.

\* To turn OFF individual valves, it is necessary to install individual ON/OFF switches in the valve power supply system.



#### Connector pin assignments



## Port class and output points

Port class	Output		Wiring block model
A/B common	16 points	NPN	T8KC1
A/B common	16 points	PNP	T8KCP1
A/B common	32 points	NPN	T8KC2
A/B common	32 points	PNP	T8KCP2

# M4G-MN4G-T8 Series

Specifications Refer to the Pneumatic Valves Catalog (No.CB-023SA) as well.

Descriptions		T8KC1	T8KC2	T8KCP1	T8KCP2
Communication protocol		IO-Link			
Power supply voltage	Unit side	24 VDC±10%			
	Valve side	24 VDC±10%, -5%			
Current consumption	Unit side	50 mA or less			
	Valve side	15 mA or less (excluding load current)			
Valve output type		NPN output		PNP output	
No. of I/O points		16 points	32 points	16 points	32 points
Communication speed setting	Switch setting	COM2/COM3			
LED display		INFO, COM, ST, PW (V) [Valve power supply]			
Output setting during communication error	Switch setting	All points: OFF / Final output data / ON / Final reception process data			
Degree of protection		IP40			

## Individual specifications

### ● Metal base manifold

Descriptions		M3G*1·M4G*1		M3G*2·M4G*2		M3G*3·M4G*3	
		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	20 stations	16 stations	16 stations	
	External pilot	12 stations					
Max. number of solenoids		T8KC*1: 16 points T8KC*2: 32 points					

### ● Block manifold

Descriptions		MN3G*1·MN4G*1		MN3G*2·MN4G*2	
		T8KC*1	T8KC*2	T8KC*1	T8KC*2
Max. station No.	Standard wiring	16 stations	24 stations	16 stations	20 stations
	Double wiring	8 stations	16 stations	8 stations	16 stations
Max. number of solenoids		16 points	32 points	16 points	32 points

## Compatibility

### ● Metal base manifold

M3/4GA1, M3/4GB1, M3/4GD1, M3/4GE1  
M3/4GA2, M3/4GB2, M3/4GD2, M3/4GE2  
M3/4GA3, M4GB3, M3/4GD3, M4GE3

### ● Block manifold

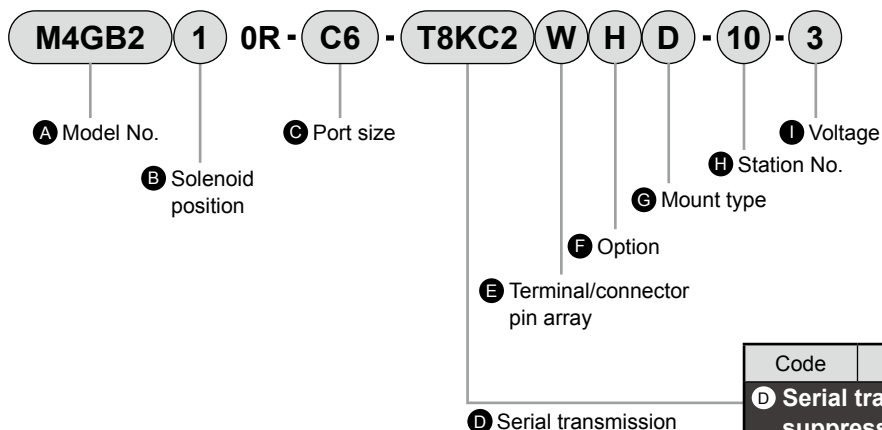
MN3/4GA1, MN3/4GB1, MN3/4GD1, MN3/4GE1  
MN3/4GA2, MN3/4GB2, MN3/4GD2, MN3/4GE2



**⚠** Always read the precautions described in "Pneumatic Valves (Catalog No. CB-023SA)" before use.

### How to order

● Metal base manifold equipped model No. [Example]



\* Model Numbers

Only models with serial transmission slave unit (T8KC\*) newly added are shown in this catalog. Refer to "Pneumatic Valves (Catalog No. CB-023SA)" for details (specifications, model No., etc.) of the M4G Series.

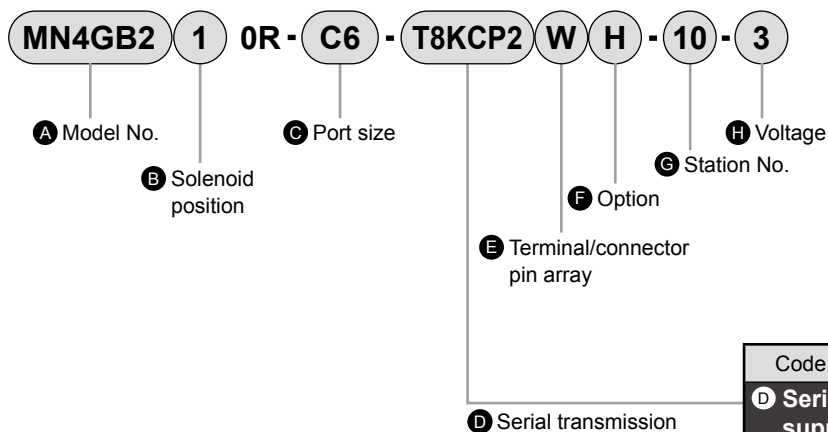
Code	Content
<b>D Serial transmission slave unit (lamp/surge suppressor provided as standard)</b>	
<b>T8KC1</b>	Thin IO-Link 16 points (NPN output)
<b>T8KCP1</b>	Thin IO-Link 16 points (PNP output)
<b>T8KC2</b>	Thin IO-Link 32 points (NPN output)
<b>T8KCP2</b>	Thin IO-Link 32 points (PNP output)

[Example of model No.]

### M4GB210R-C6-T8KC2WHD-10-3

- A** Model No. : 5-port valve, base piping
- B** Solenoid position : 2-position single
- C** Port size : ø6 push-in fitting
- D** Serial transmission : Thin IO-Link 32 points (NPN output)
- E** Terminal/connector pin array : Double wiring
- F** Option : With exhaust check valve
- G** Mount type : DIN rail mount
- H** Station No. : 10 stations
- I** Voltage : 24 VDC

● Block manifold equipped model No. [Example]



\* Model Numbers

Only models with serial transmission slave unit (T8KC\*) newly added are shown in this catalog. Refer to "Pneumatic Valves (Catalog No. CB-023SA)" for details (specifications, model No., etc.) of the MN4G Series.

Code	Content
<b>D Serial transmission slave unit (lamp/surge suppressor provided as standard)</b>	
<b>T8KC1</b>	Thin IO-Link 16 points (NPN output)
<b>T8KCP1</b>	Thin IO-Link 16 points (PNP output)
<b>T8KC2</b>	Thin IO-Link 32 points (NPN output)
<b>T8KCP2</b>	Thin IO-Link 32 points (PNP output)

[Example of model No.]

### MN4GB210R-C6-T8KCP2WH-10-3

- A** Model No. : 5-port valve, base piping
- B** Solenoid position : 2-position single
- C** Port size : ø6 push-in fitting
- D** Serial transmission : Thin IO-Link 32 points (PNP output)
- E** Terminal/connector pin array : Double wiring
- F** Option : With exhaust check valve
- G** Station No. : 10 stations
- H** Voltage : 24 VDC

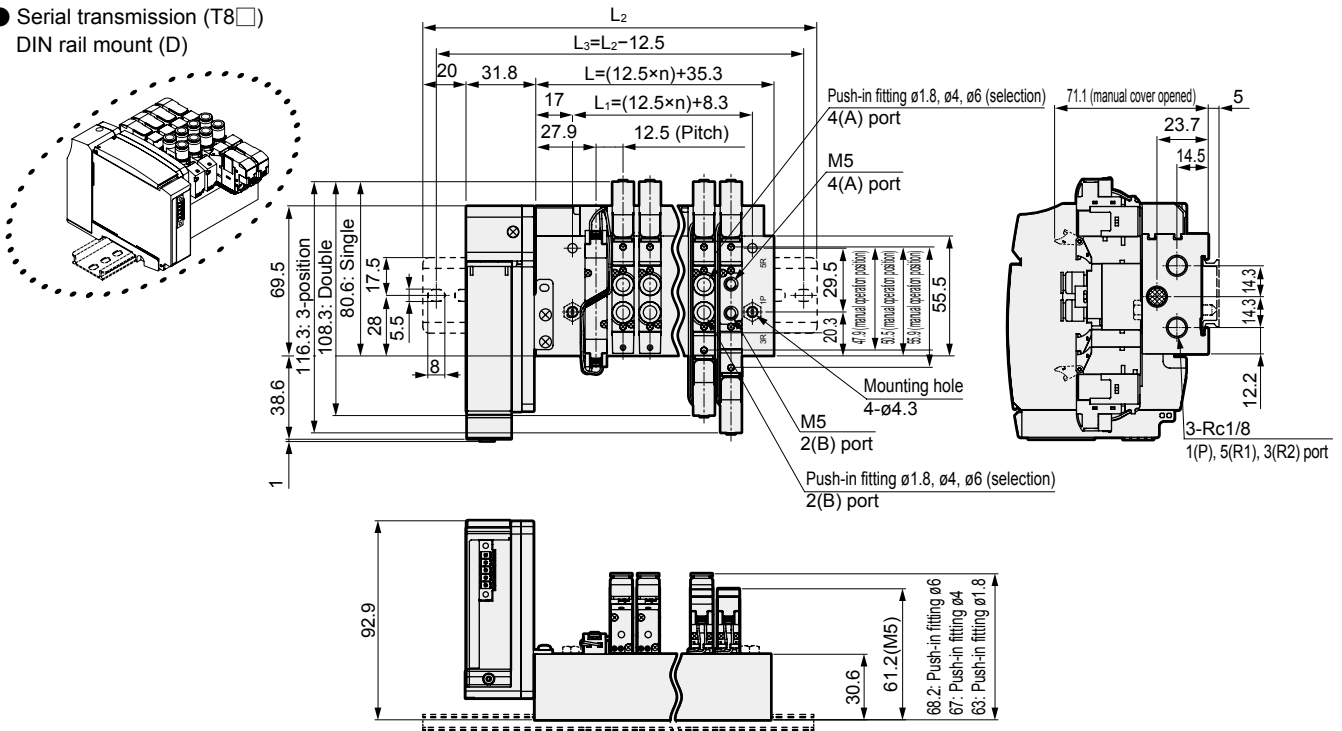
# M4GA1-T8\* Series

Reduced wiring manifold; body piping; serial transmission

## Dimensions

### M4GA1

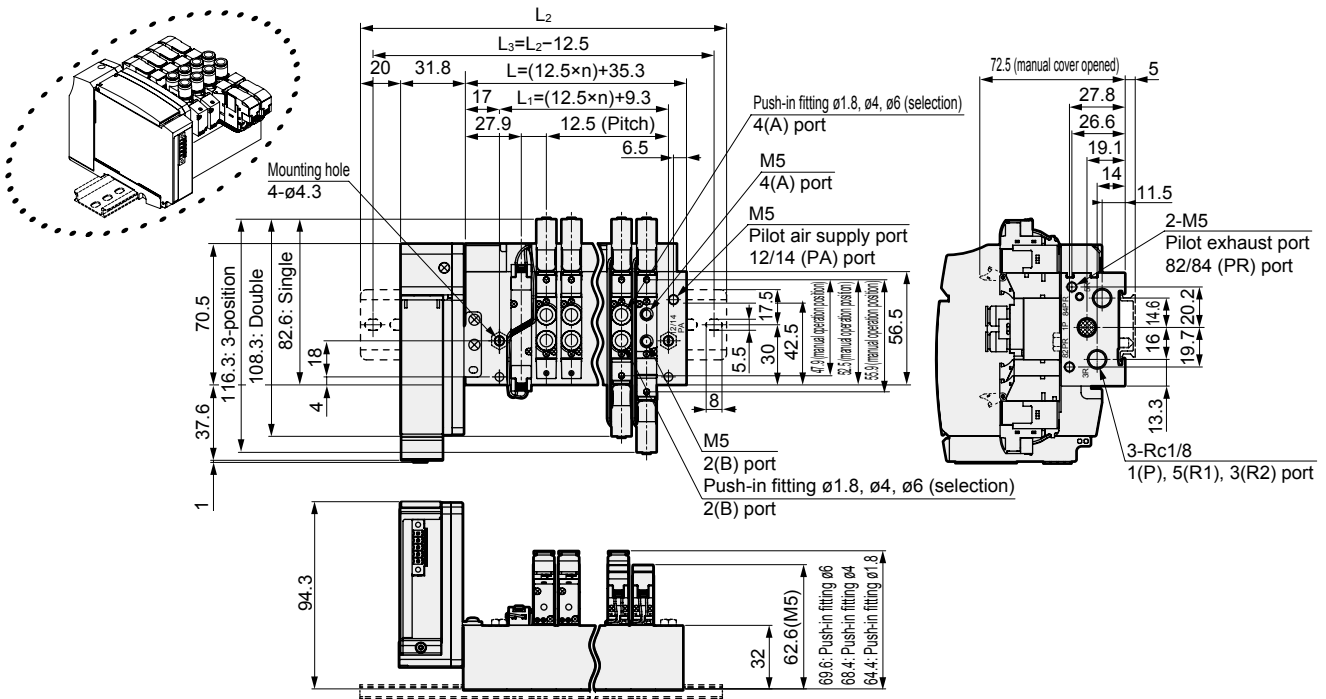
- Serial transmission (T8□)
- DIN rail mount (D)



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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				

### M4GA1

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



Station 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 <sub>1</sub>	34.3	46.8	59.3	71.8	84.3	96.8	109.3	121.8	134.3	146.8	159.3
L <sub>2</sub>	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5
L <sub>3</sub>	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0

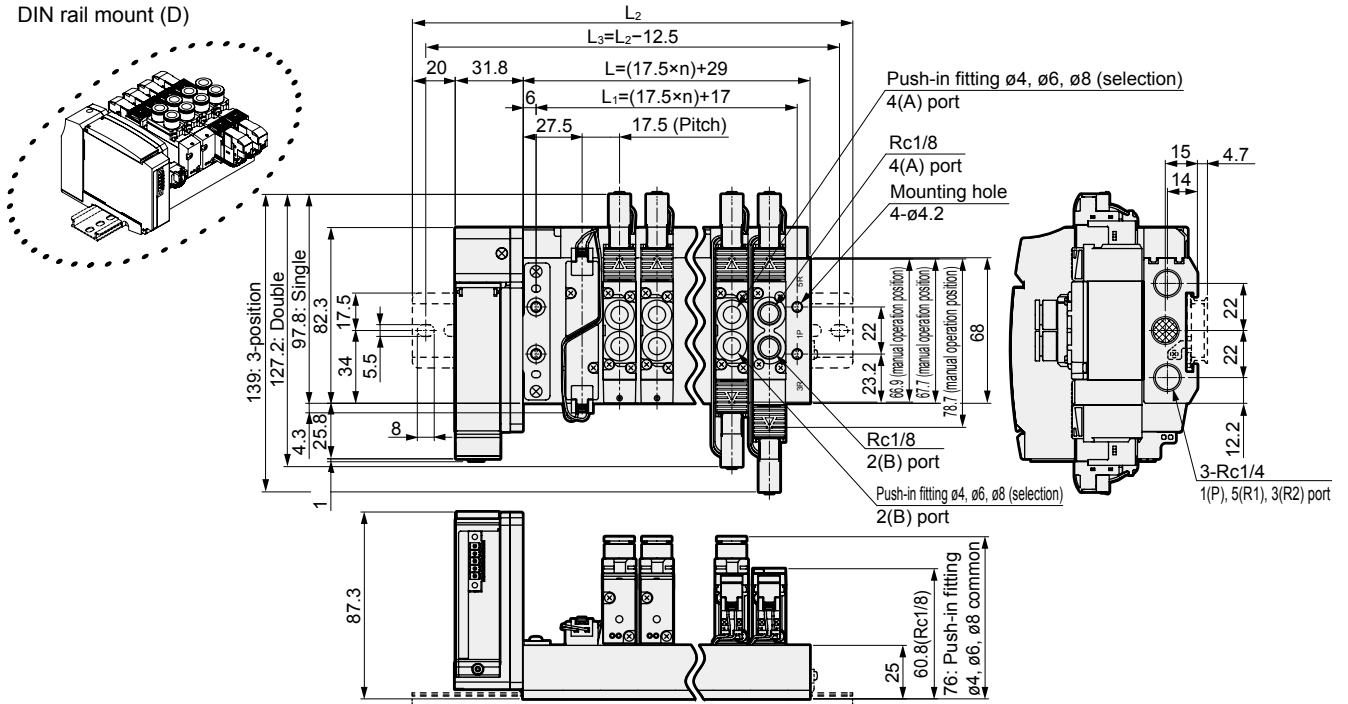
# M4GA2-T8\* Series

Reduced wiring manifold; body piping; serial transmission

## Dimensions

### M4GA2

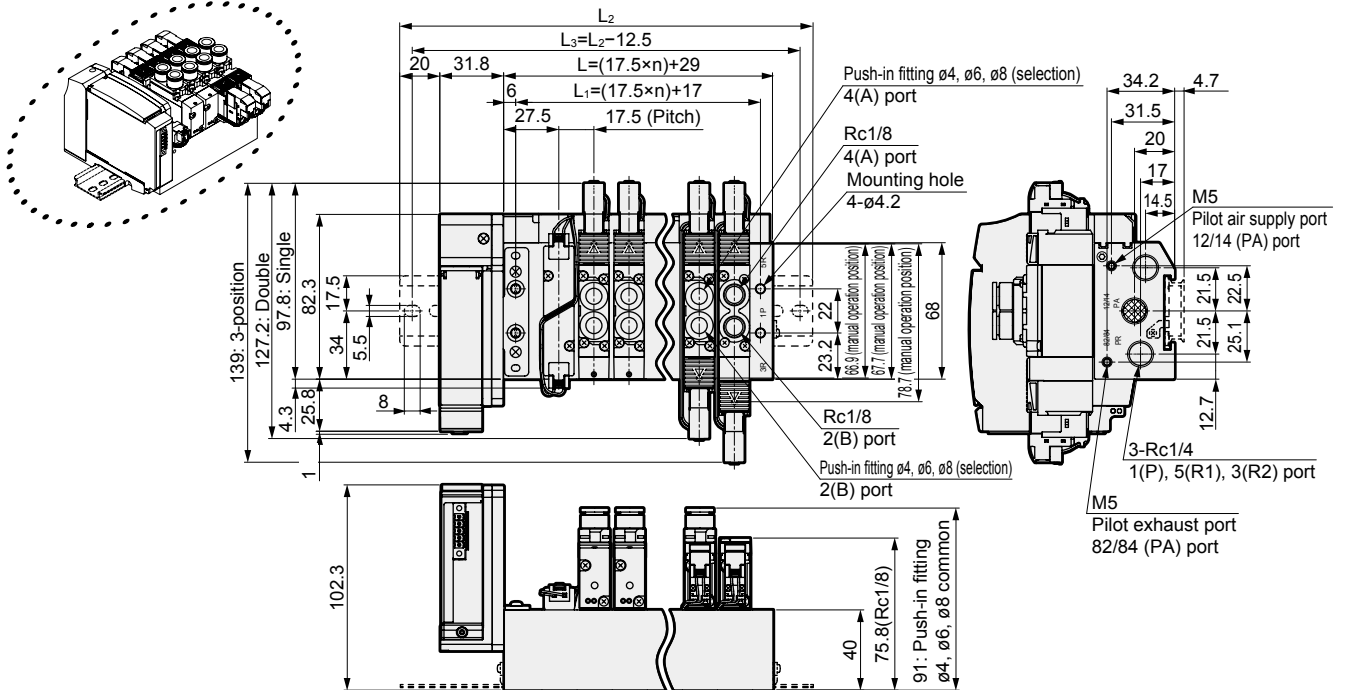
- Serial transmission (T8□)
- DIN rail mount (D)



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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				

### M4GA2

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



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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				

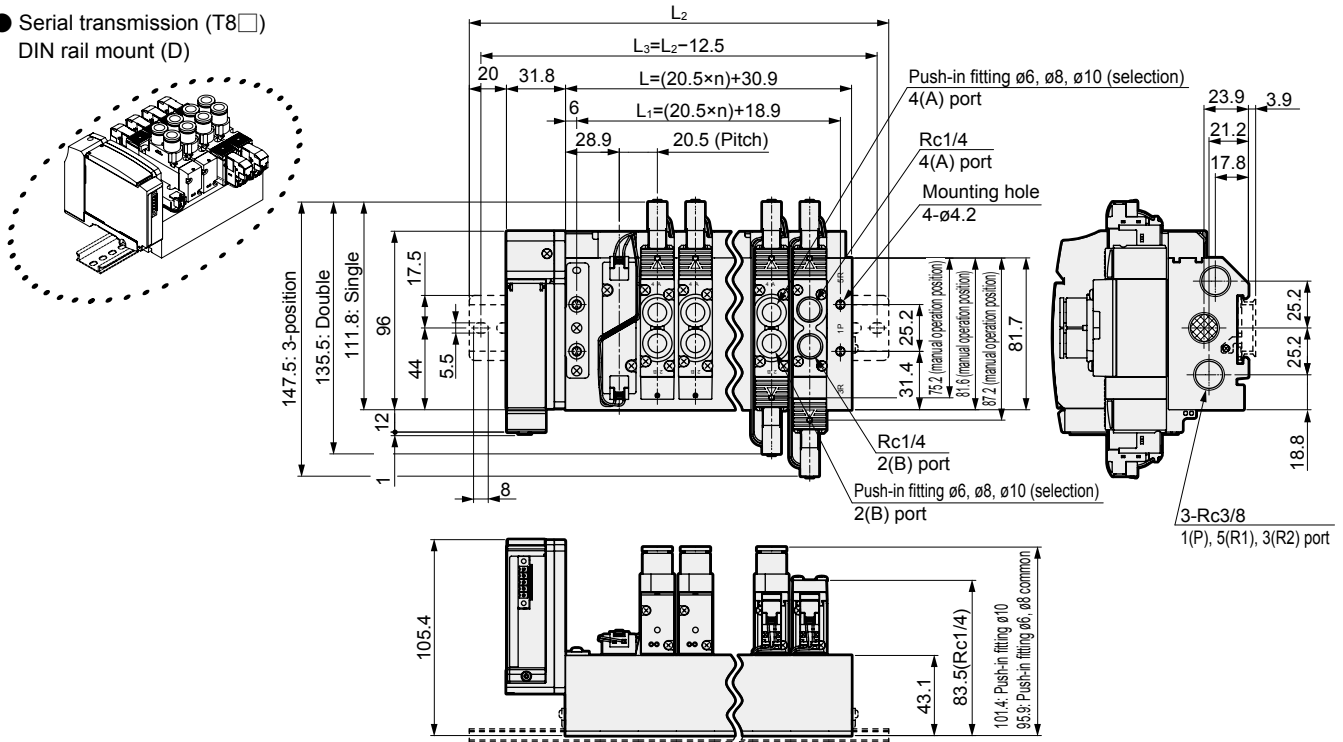
# M4GA3-T8\* Series

Reduced wiring manifold; body piping; serial transmission

## Dimensions

### M4GA3

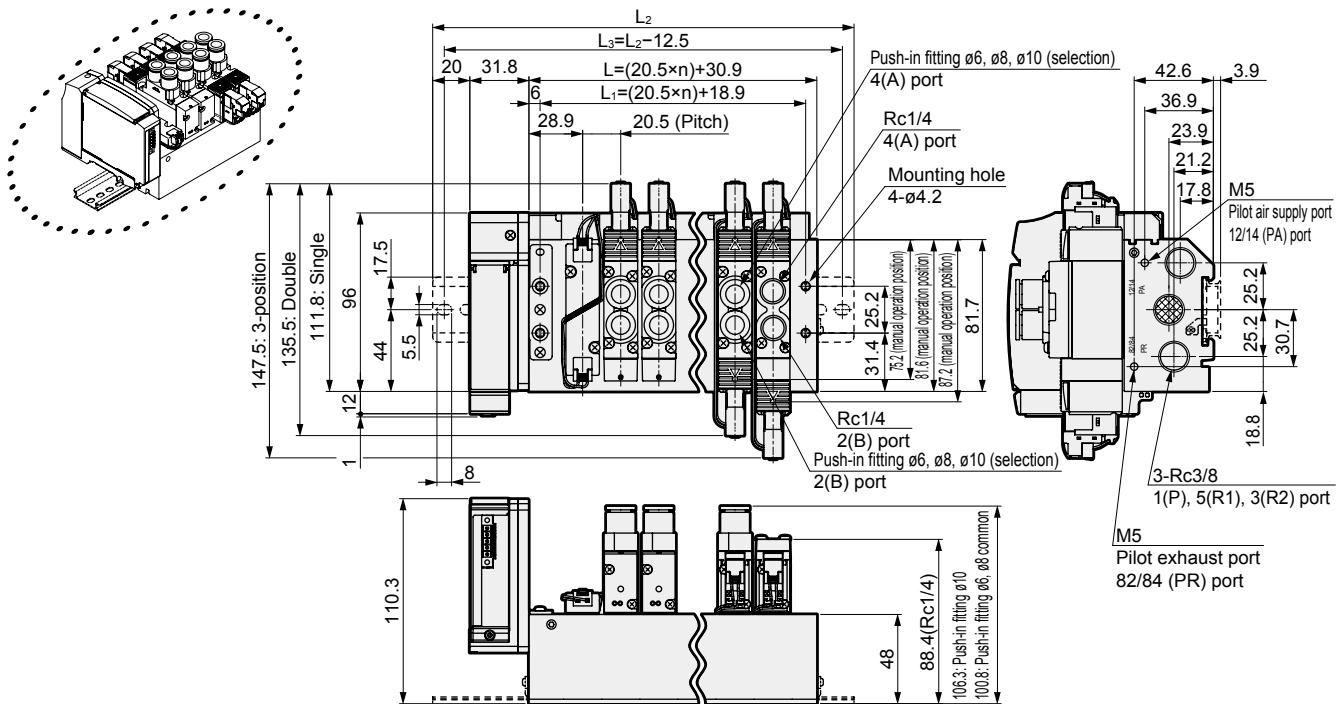
- Serial transmission (T8□)
- DIN rail mount (D)



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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

### M4GA3

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



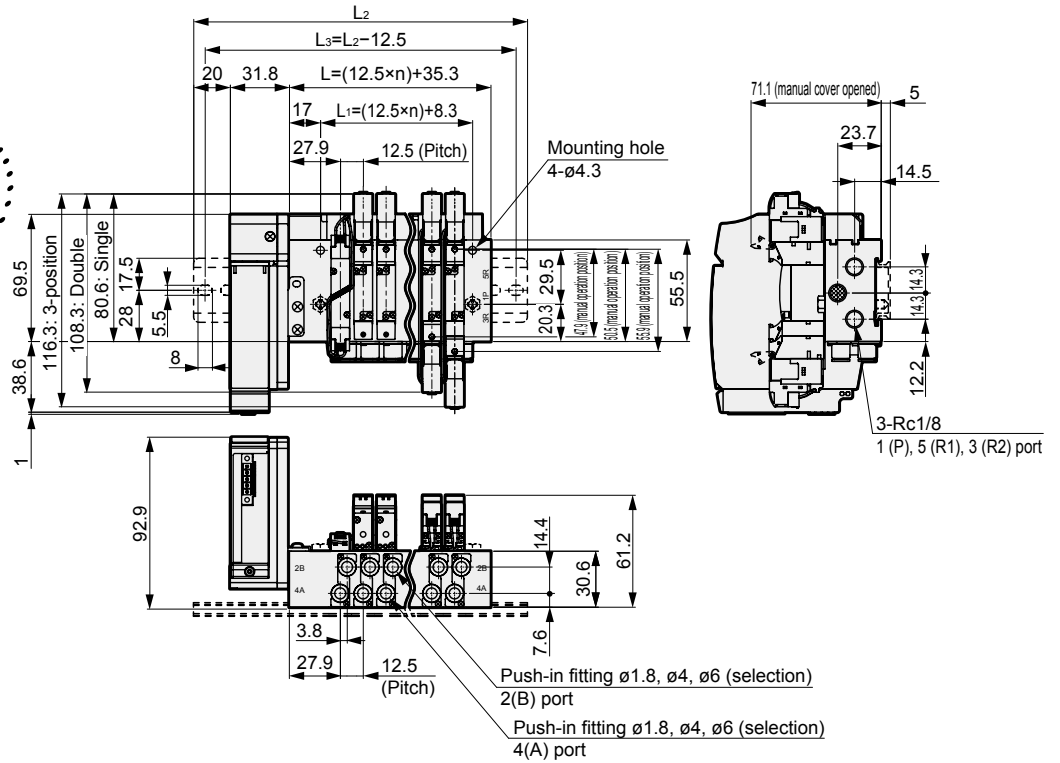
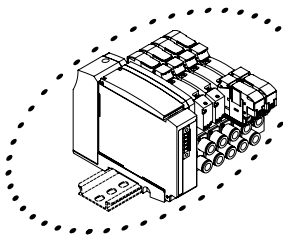
Station No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	71.9	92.4	112.9	133.4	153.9	174.4	194.9	215.4	235.9	256.4	276.9	297.4	317.9	338.4	358.9
L <sub>1</sub>	59.9	80.4	100.9	121.4	141.9	162.4	182.9	203.4	223.9	244.4	264.9	285.4	305.9	326.4	346.9
L <sub>2</sub>	150.0	175.0	187.5	212.5	237.5	250.0	275.0	287.5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



## Dimensions

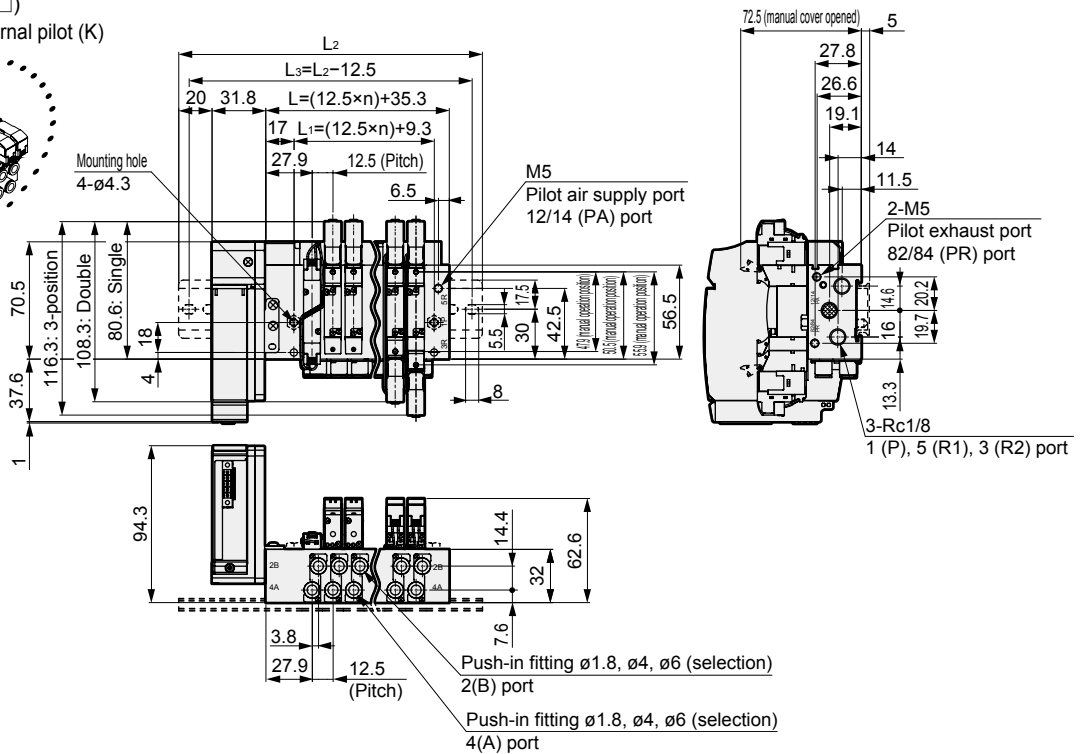
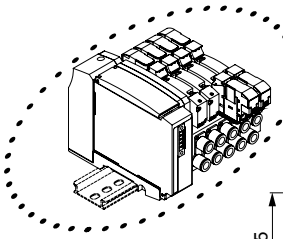
### M4GB1

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



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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)



Station 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 <sub>1</sub>	34.3	46.8	59.3	71.8	84.3	96.8	109.3	121.8	134.3	146.8	159.3
L <sub>2</sub>	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5
L <sub>3</sub>	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0

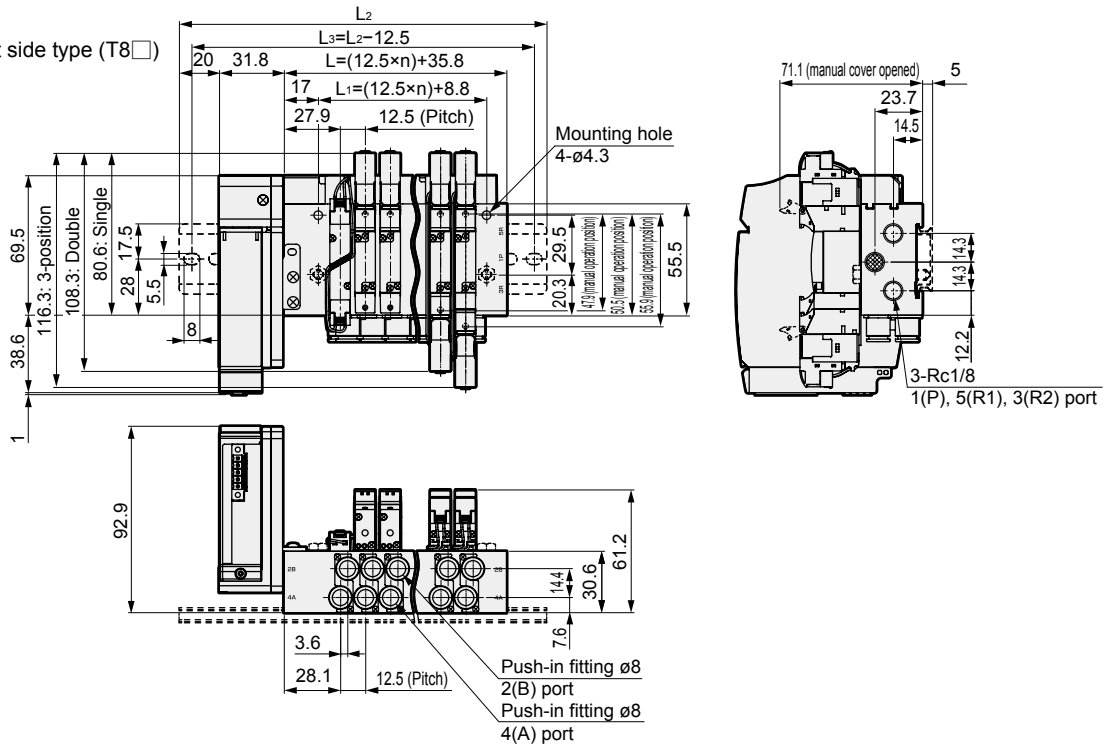
# M4GB1-T8\* Series

Reduced wiring manifold; base piping; serial transmission

## Dimensions

### M4GB1-C8

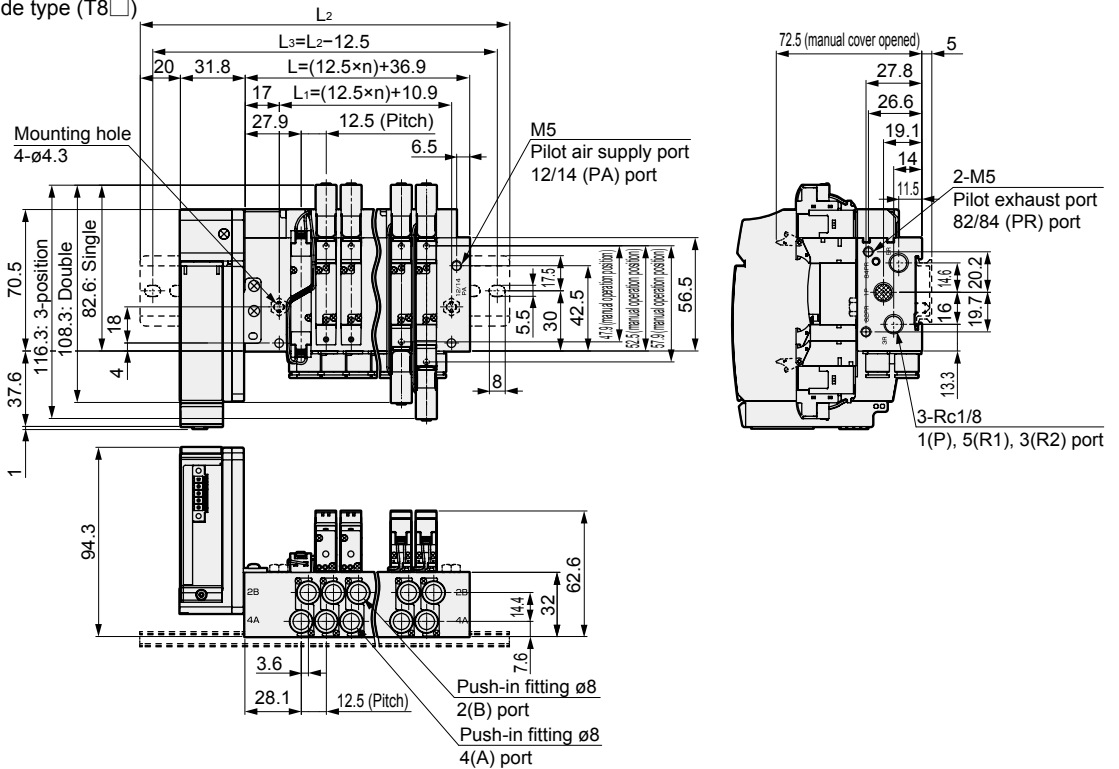
- Reduced wiring left side type (T8□)



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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 type (T8□)

External pilot (K)

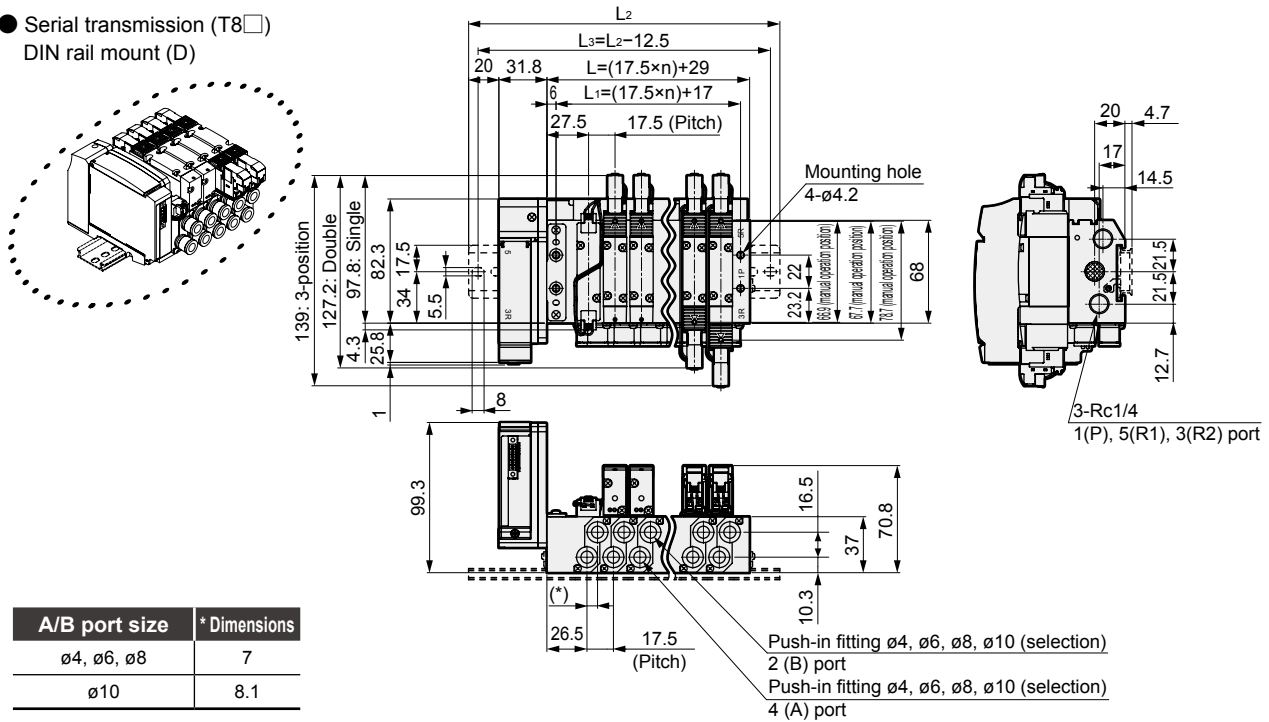


Station No.	2	3	4	5	6	7	8	9	10	11	12
L	61.9	74.4	86.9	99.4	111.9	124.4	136.9	149.4	161.9	174.4	186.9
L <sub>1</sub>	35.9	48.4	60.9	73.4	85.9	98.4	110.9	123.4	135.9	148.4	160.9
L <sub>2</sub>	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	250.0	262.5
L <sub>3</sub>	125.0	137.5	150.0	162.5	175.0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

## Dimensions

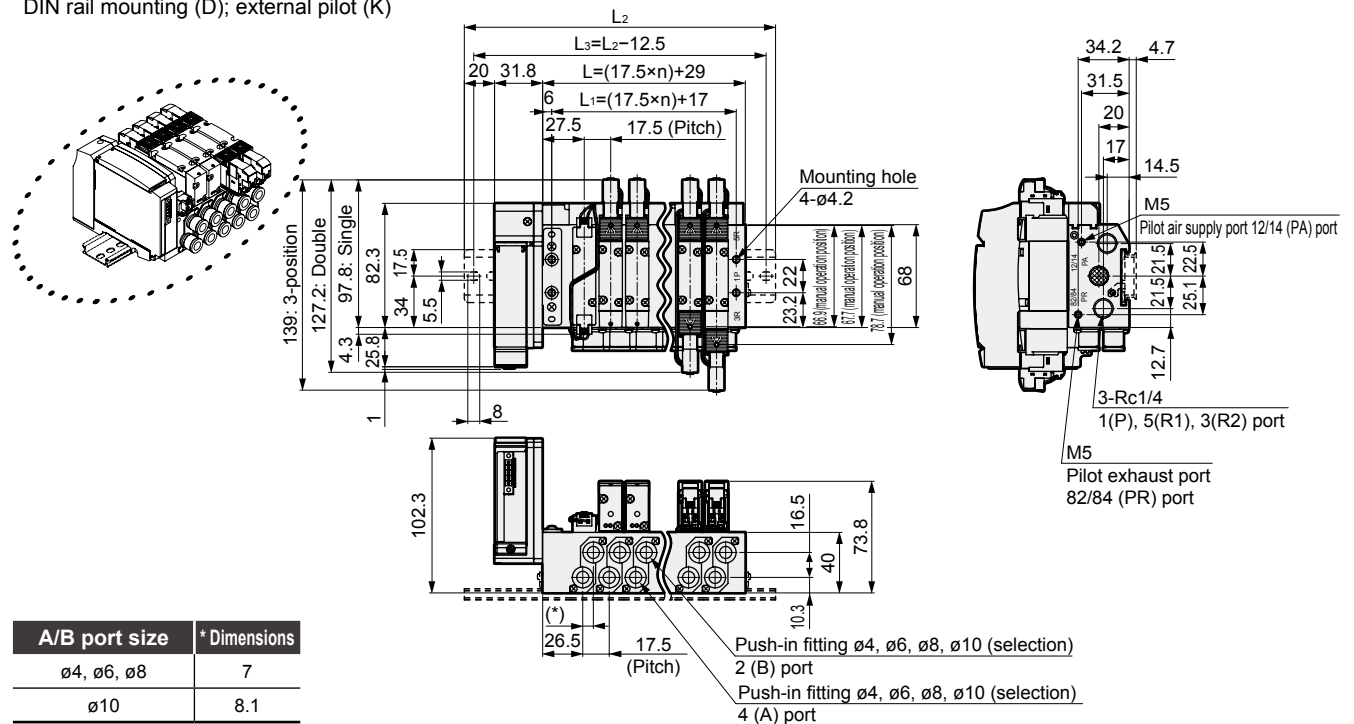
### M4GB2

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



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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				

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



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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				

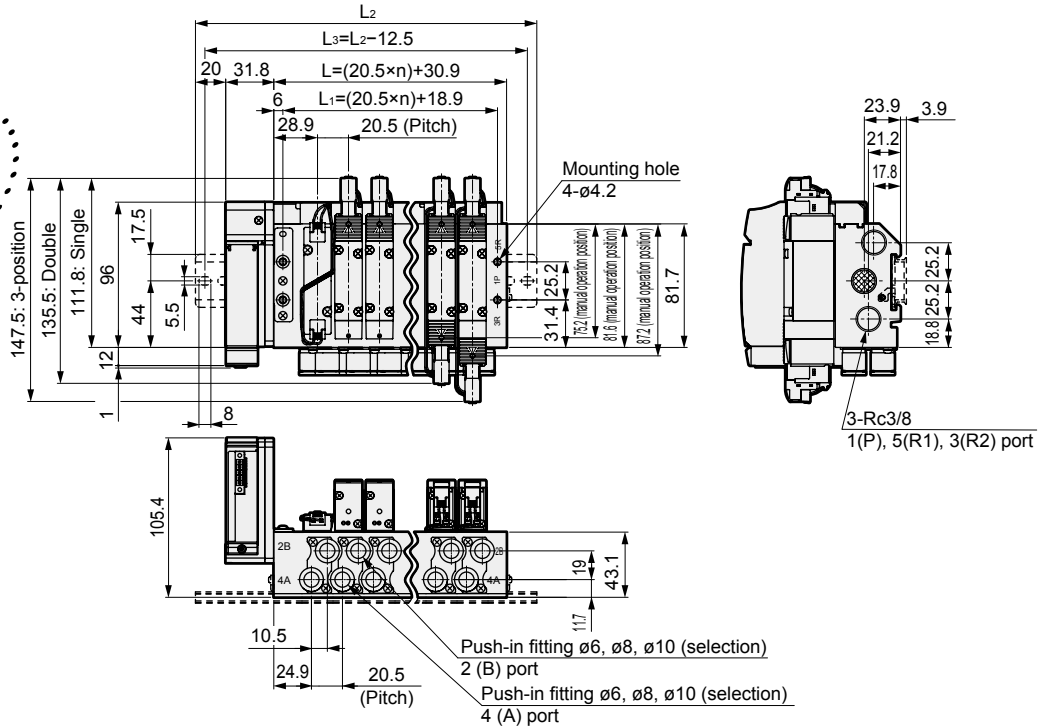
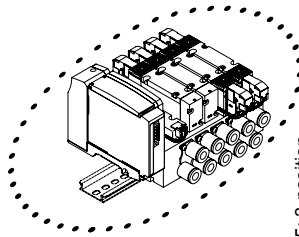
# M4GB3-T8\* Series

Reduced wiring manifold; base piping; serial transmission

## Dimensions

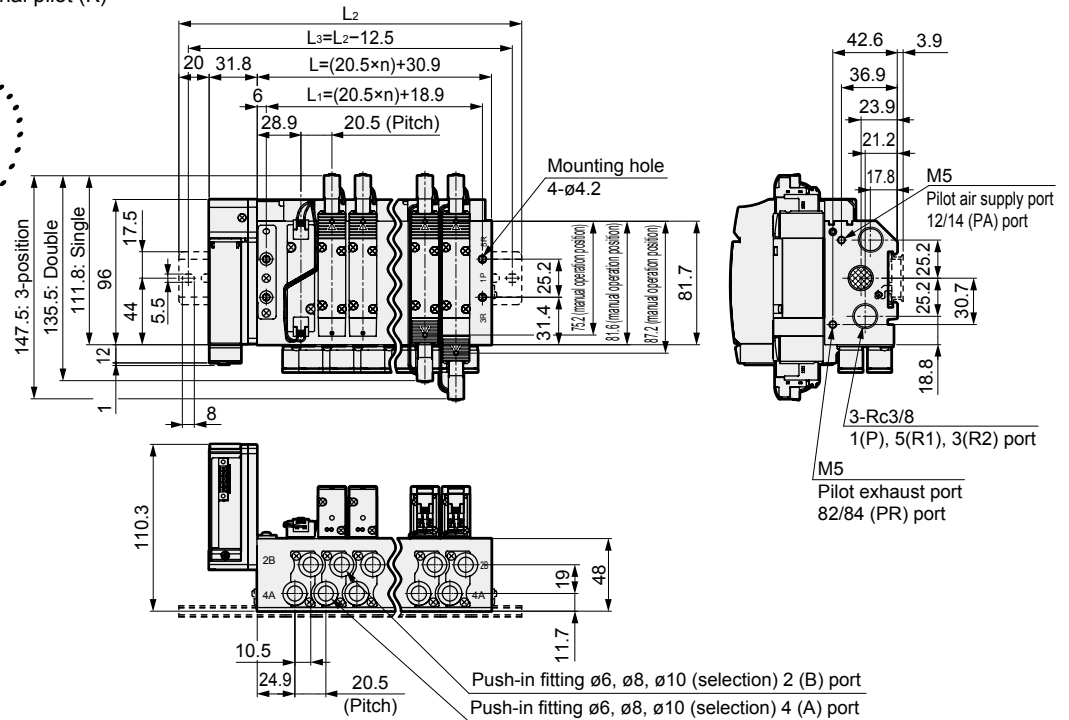
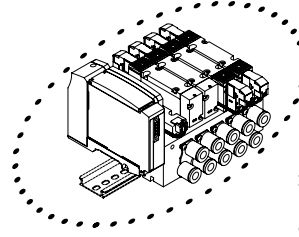
### M4GB3

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



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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)



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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

# MN4GA1·2-T8\* Series

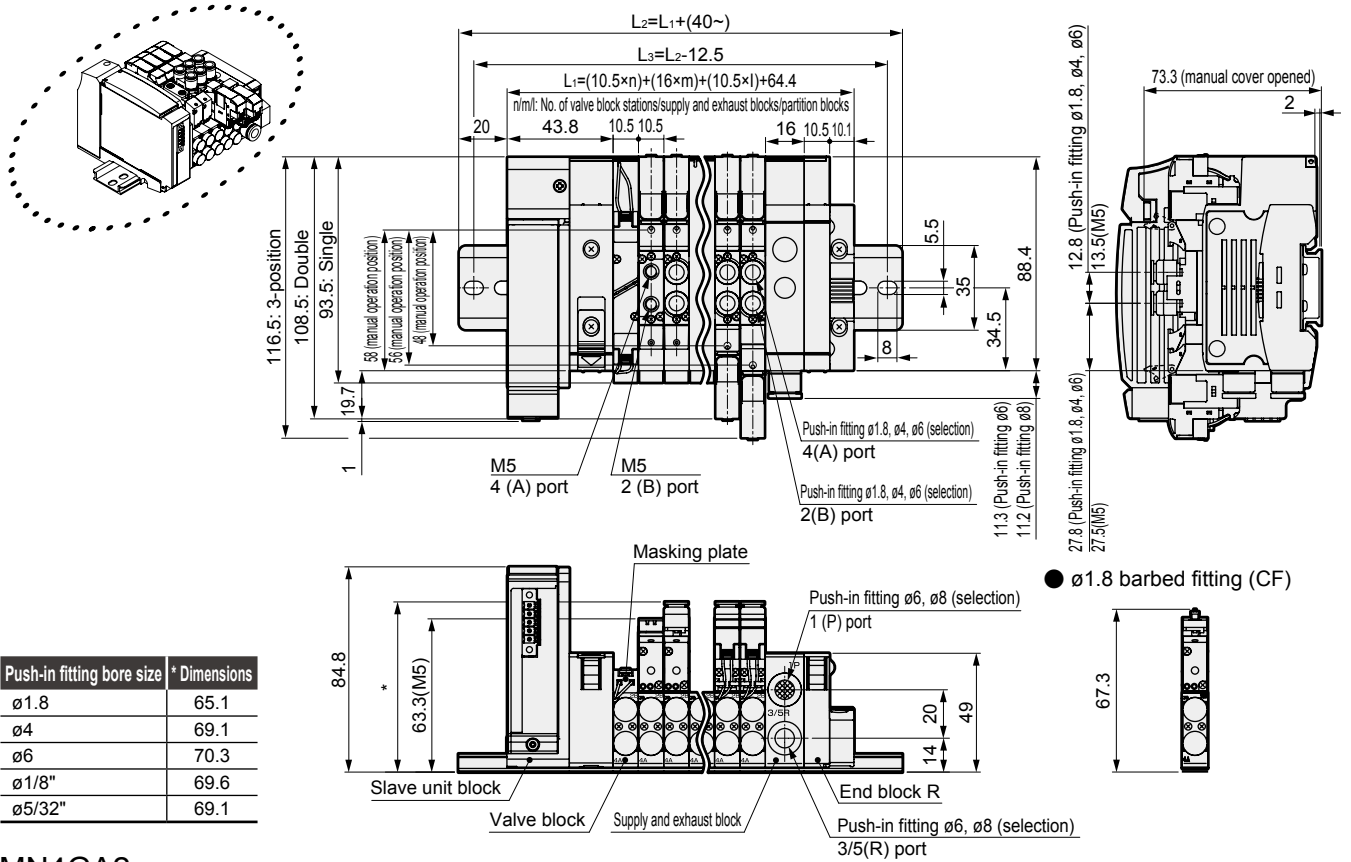
Reduced wiring block manifold: Body piping

## Dimensions

### MN4GA1

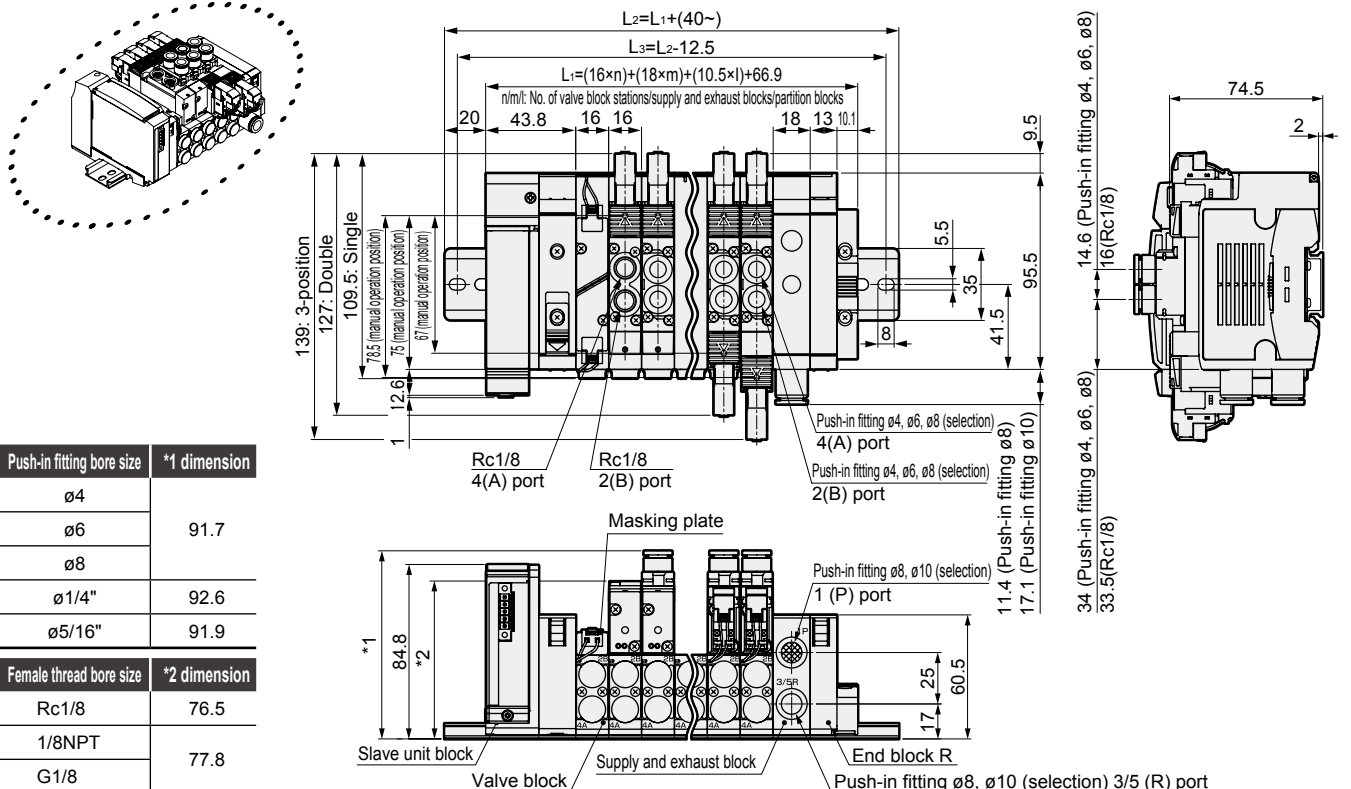
- Thin serial transmission (T8□)

Note: For the 2-position single 3-port valve, either port A or port B is a plug. In addition, the two 3-port valve built-in type has the same dimensions as the double model.



### MN4GA2

- Thin serial transmission (T8□)



# MN4GB1·2-T8\* Series

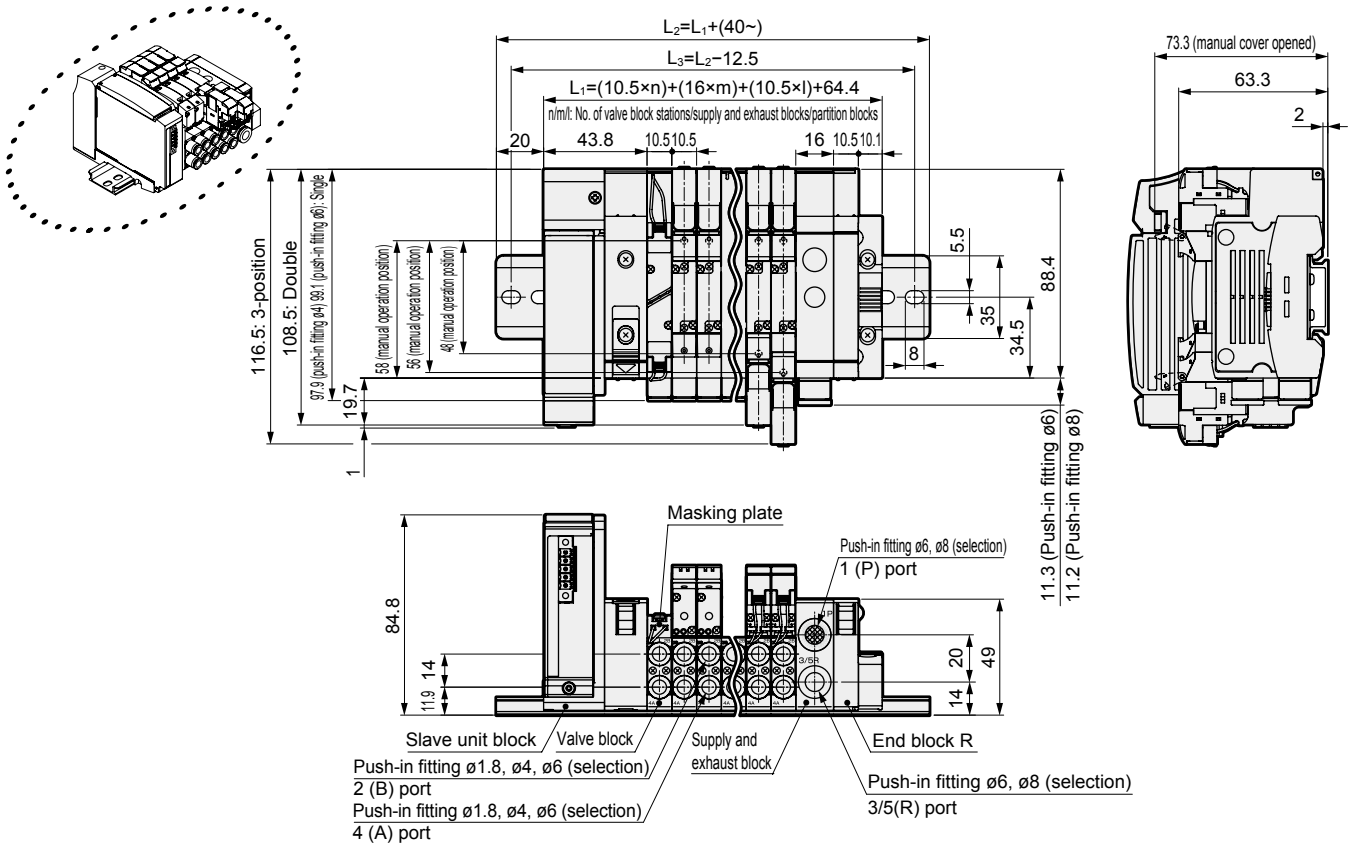
Reduced wiring block manifold; base piping

## Dimensions

### MN4GB1

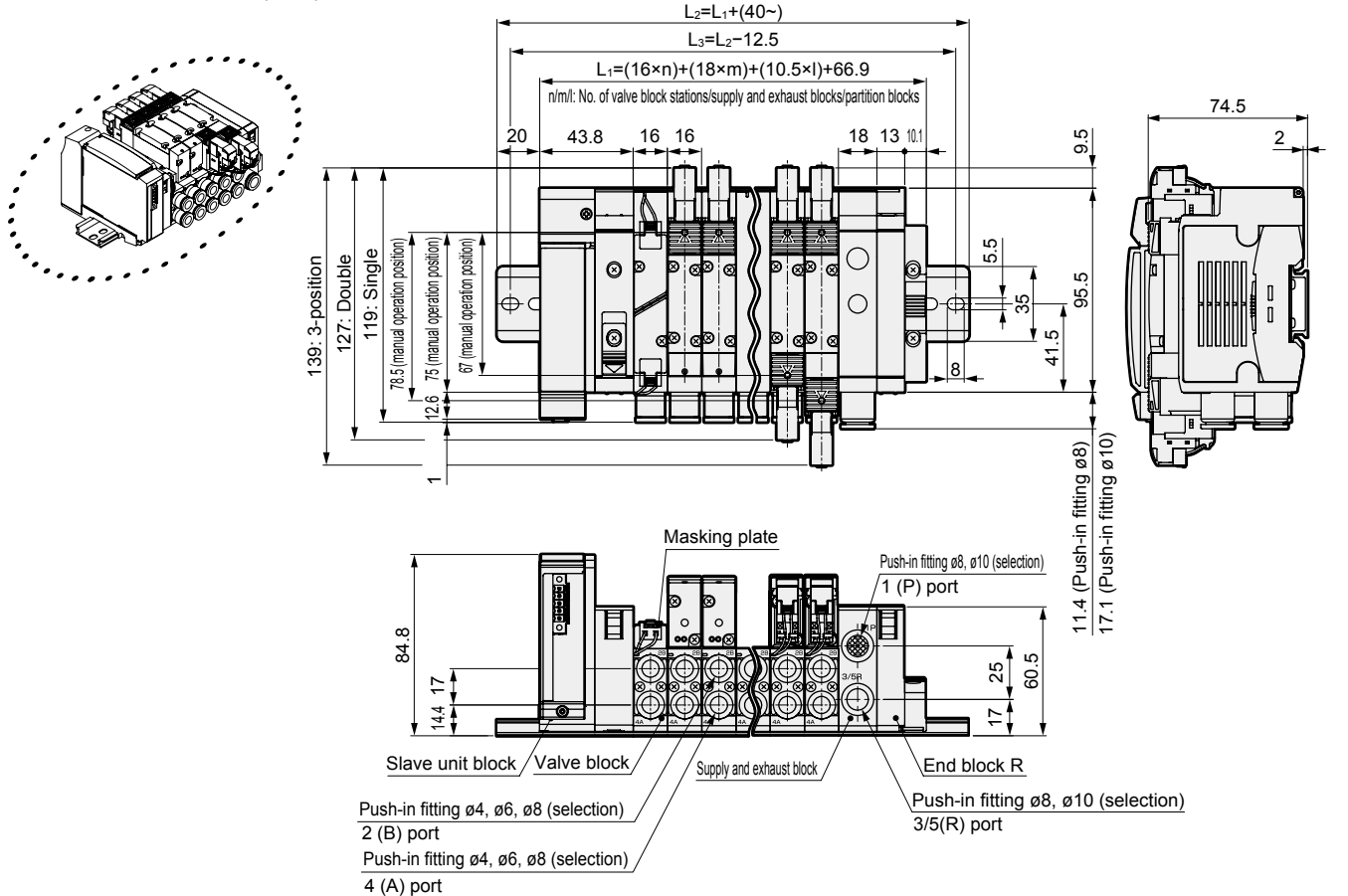
- Thin serial transmission (T8□)

Note: The two 3-port valve built-in type has the same dimensions as the double model.



### MN4GB2

- Thin serial transmission (T8□)



# M4GD1-T8\* Series

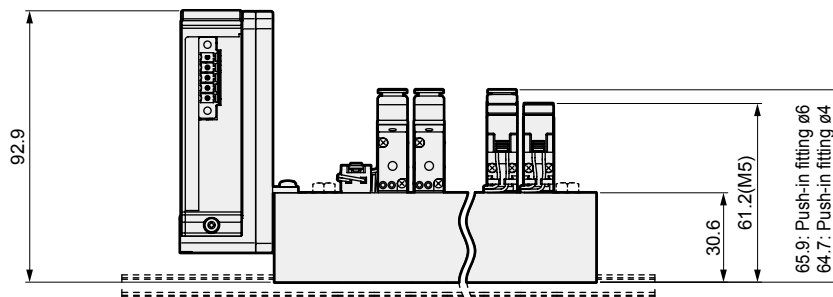
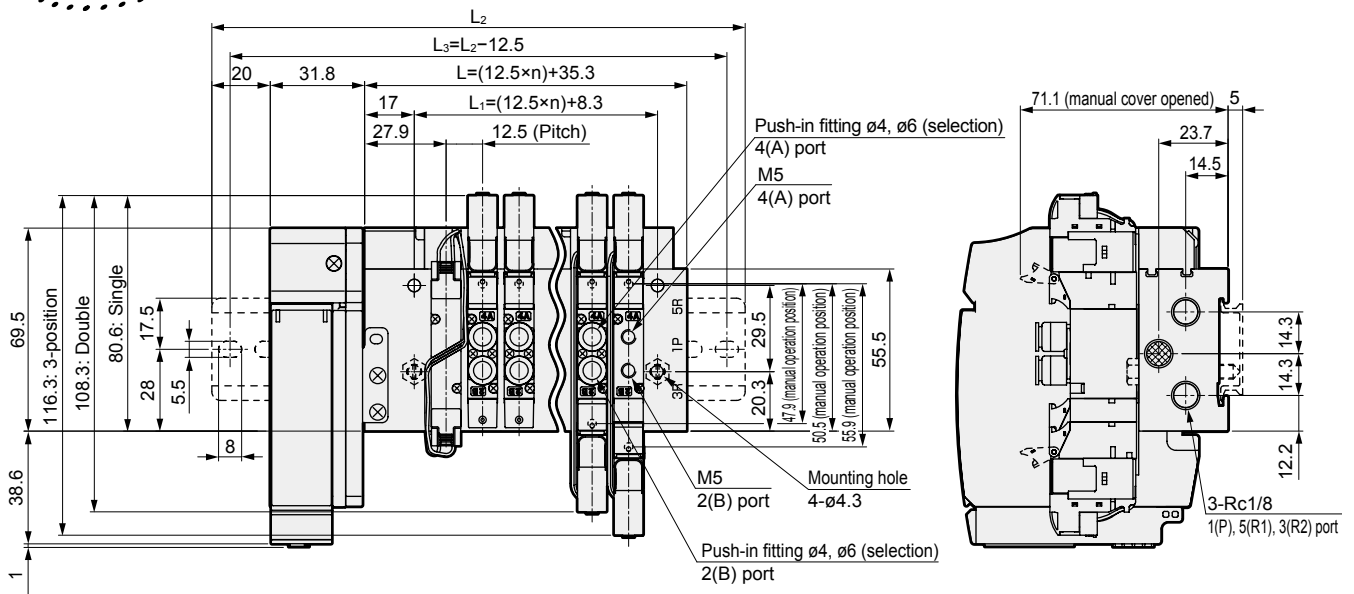
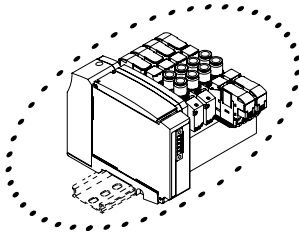
Reduced wiring manifold; body piping; serial transmission

## Dimensions

### M4GD1

- Serial transmission (T8)
- DIN rail mount (D)

\* For the 2-position single 3-port valve, either port A or port B is a plug.



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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				

# M4GD2-T8\* Series

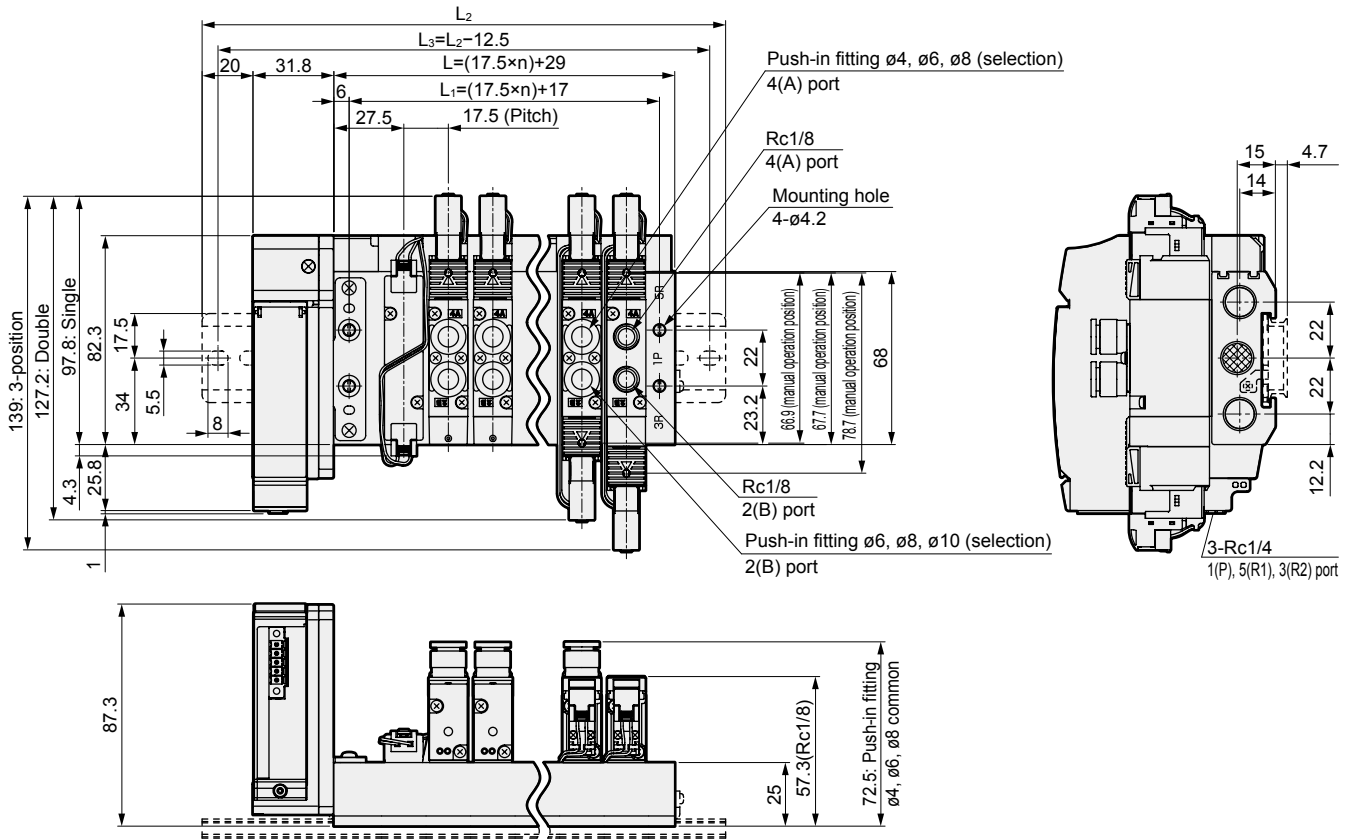
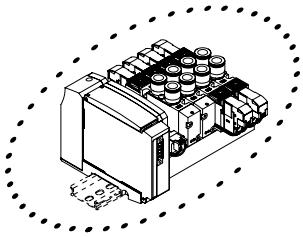
Reduced wiring manifold; body piping; serial transmission

## Dimensions

### M4GD2

- Serial transmission (T8)  
DIN rail mount (D)

\* For the 2-position single 3-port valve, either port A or port B is a plug.



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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				

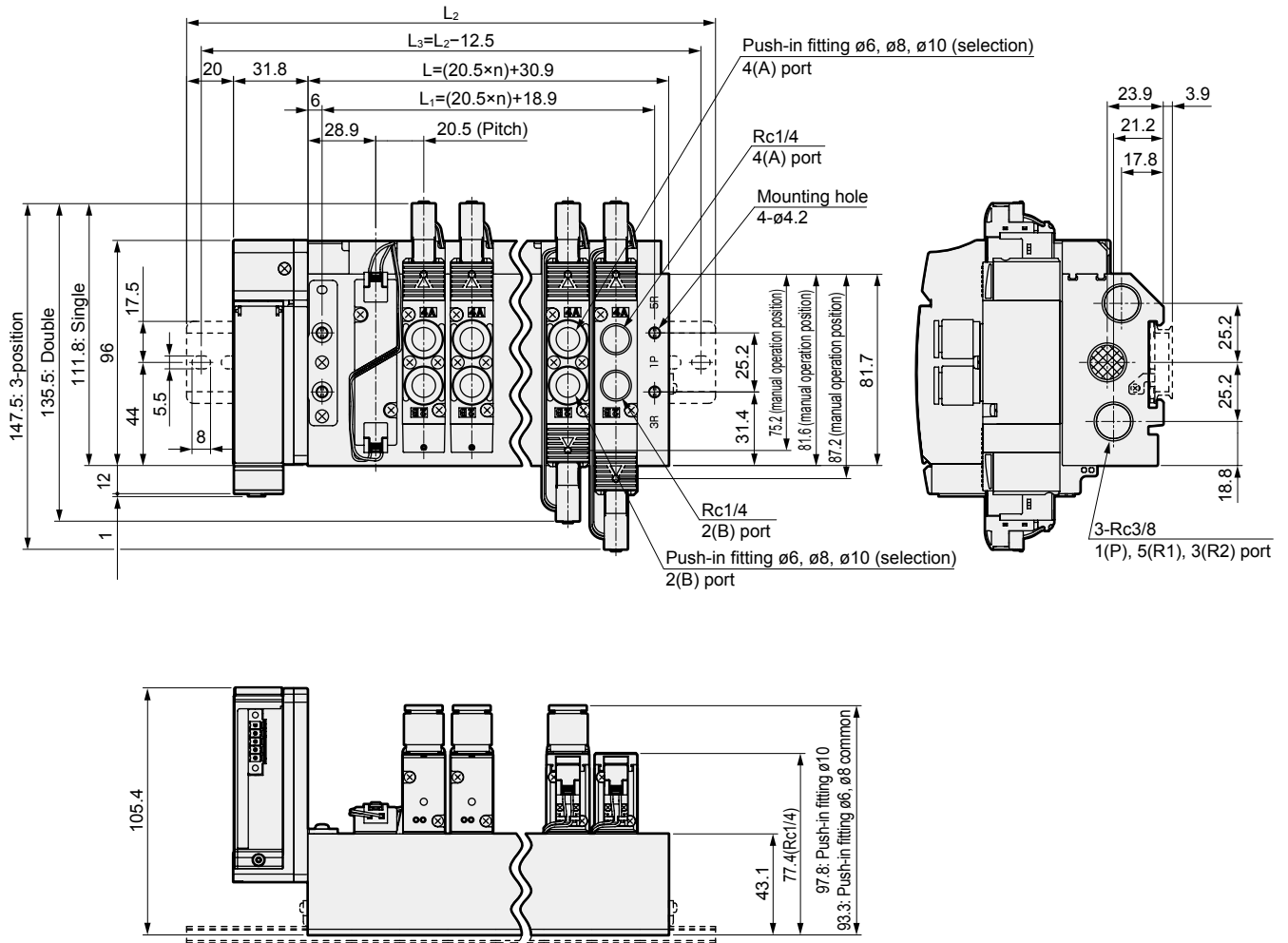
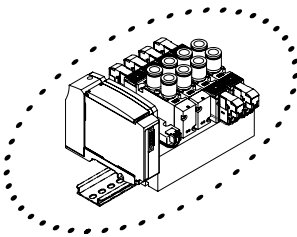


## Dimensions

### M4GD3

- Serial transmission (T8)
- DIN rail mount (D)

\* For the 2-position single 3-port valve, either port A or port B is a plug.



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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

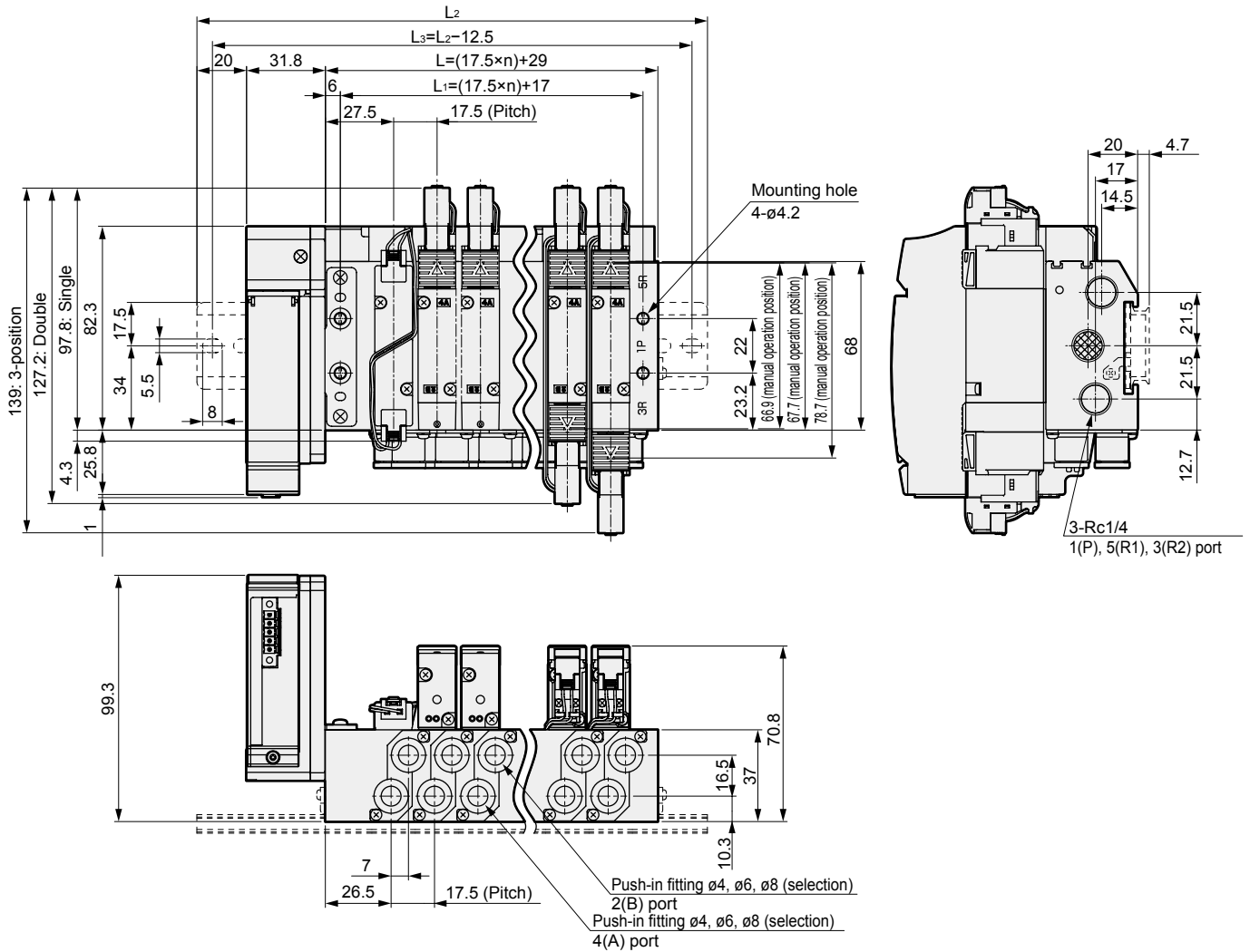
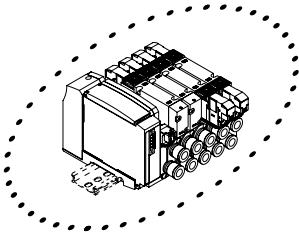


## Dimensions

### M4GE2

- Serial transmission (T8)
- DIN rail mount (D)

\* The two 3-port valve built-in type has the same dimensions as the double model.



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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				

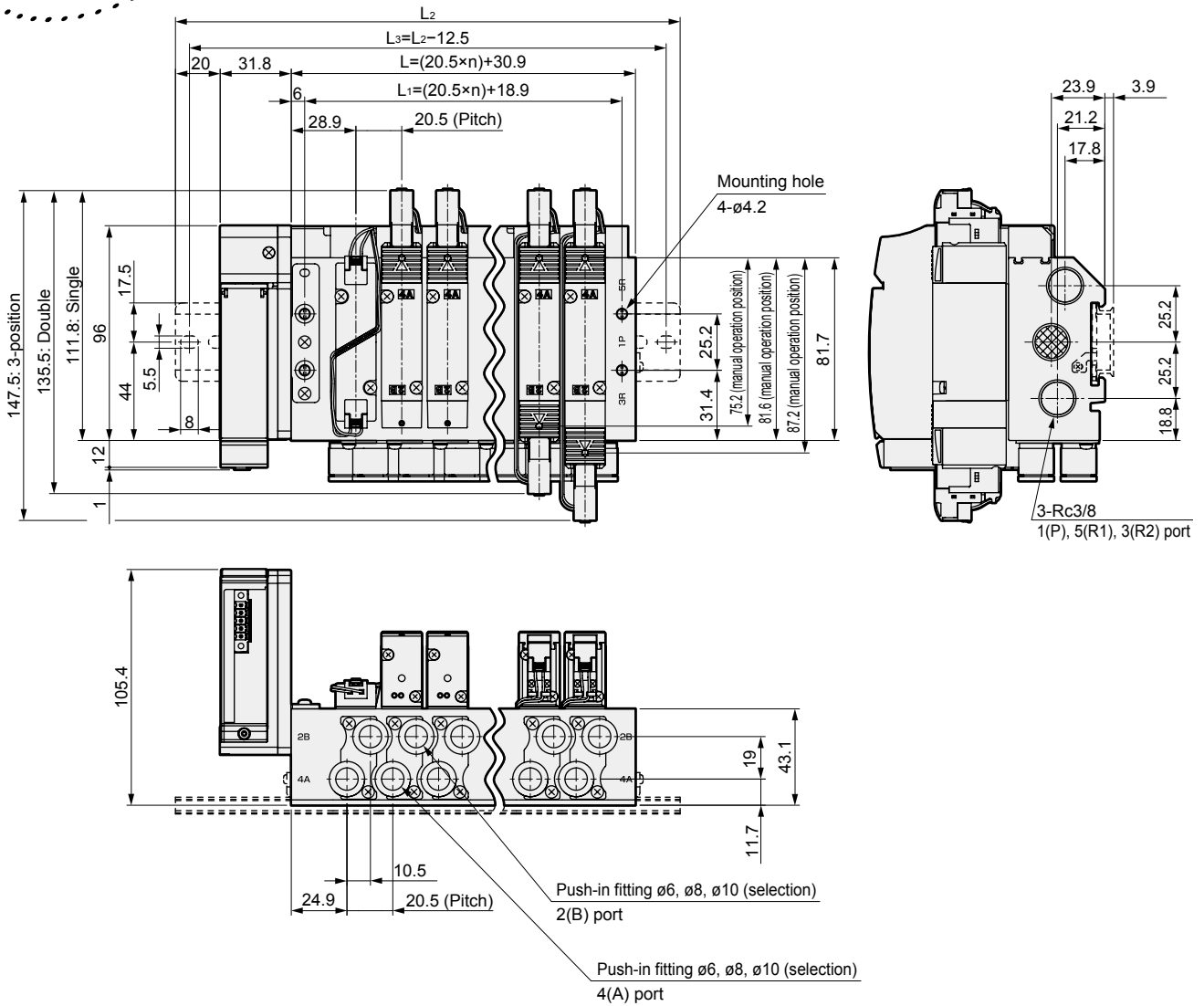
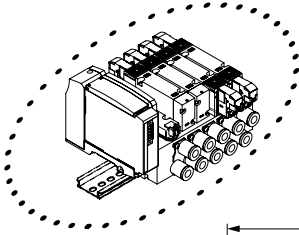
# M4GE3-T8\* Series

Reduced wiring manifold; base piping; serial transmission

## Dimensions

### M4GE3

- Serial transmission (T8)
- DIN rail mount (D)



Station 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 <sub>1</sub>	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 <sub>2</sub>	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 <sub>3</sub>	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



# MN4GE1·2-T8\* Series

Reduced wiring block manifold; base piping

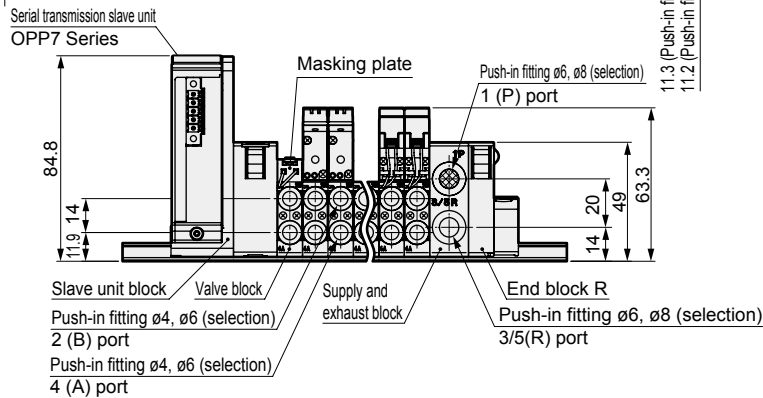
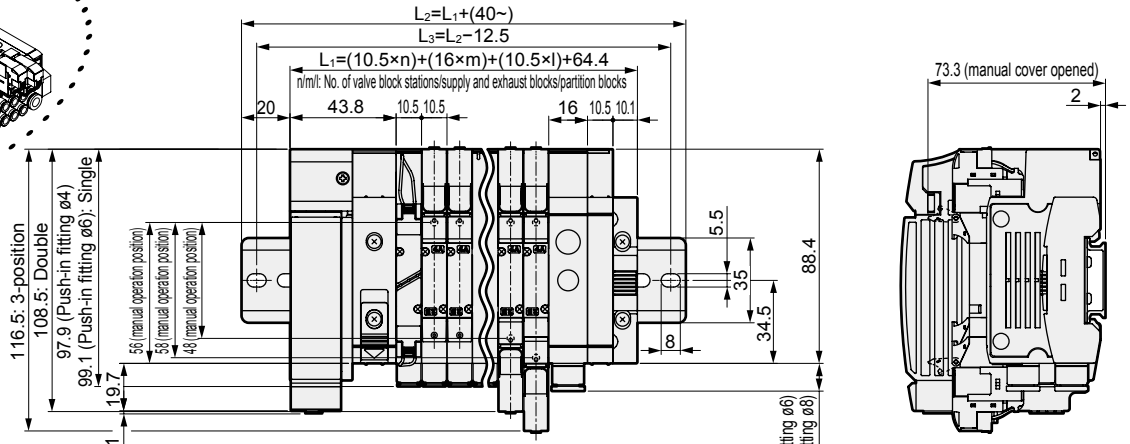
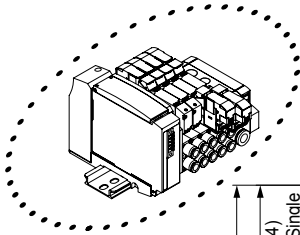
Dimensions



## MN4GE1

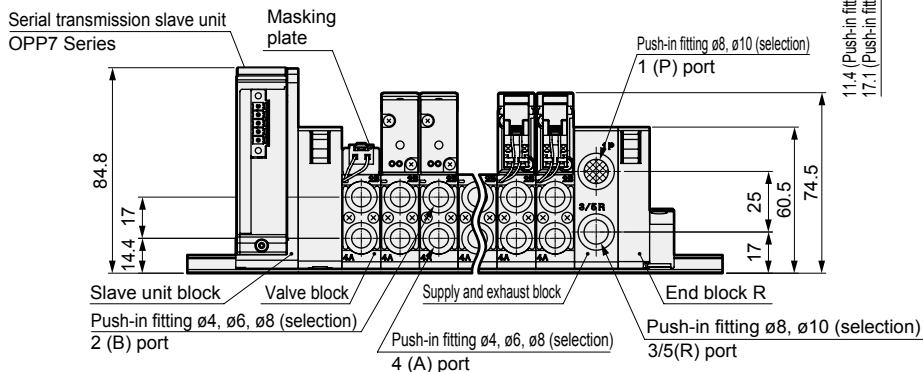
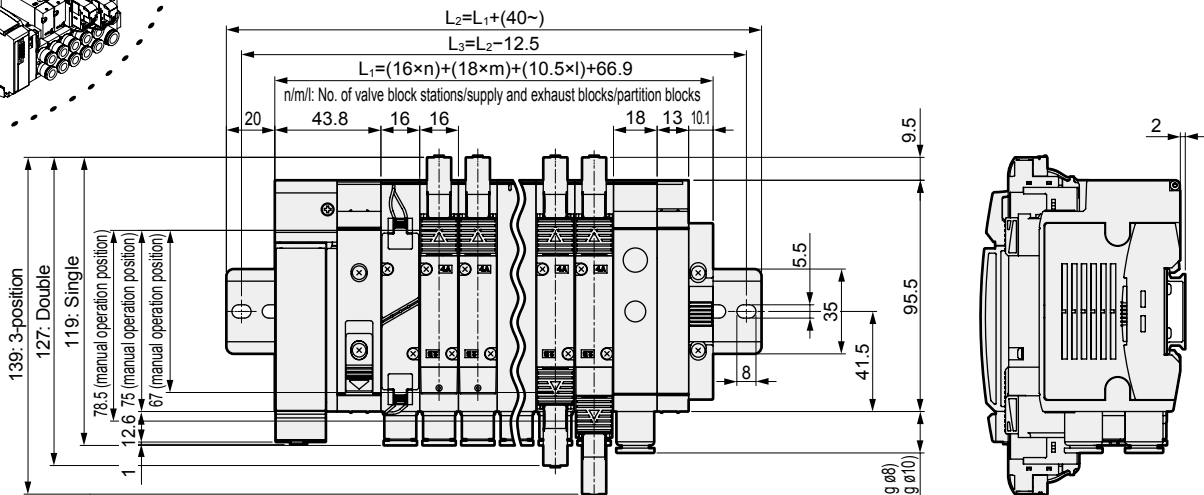
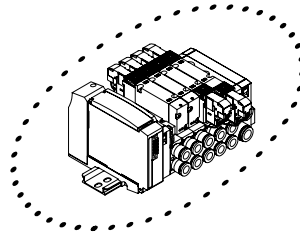
- Thin serial transmission (T8□)

Note: The two 3-port valve built-in type has the same dimensions as the double model.



## MN4GE2

- Thin serial transmission (T8□)



## Technical data

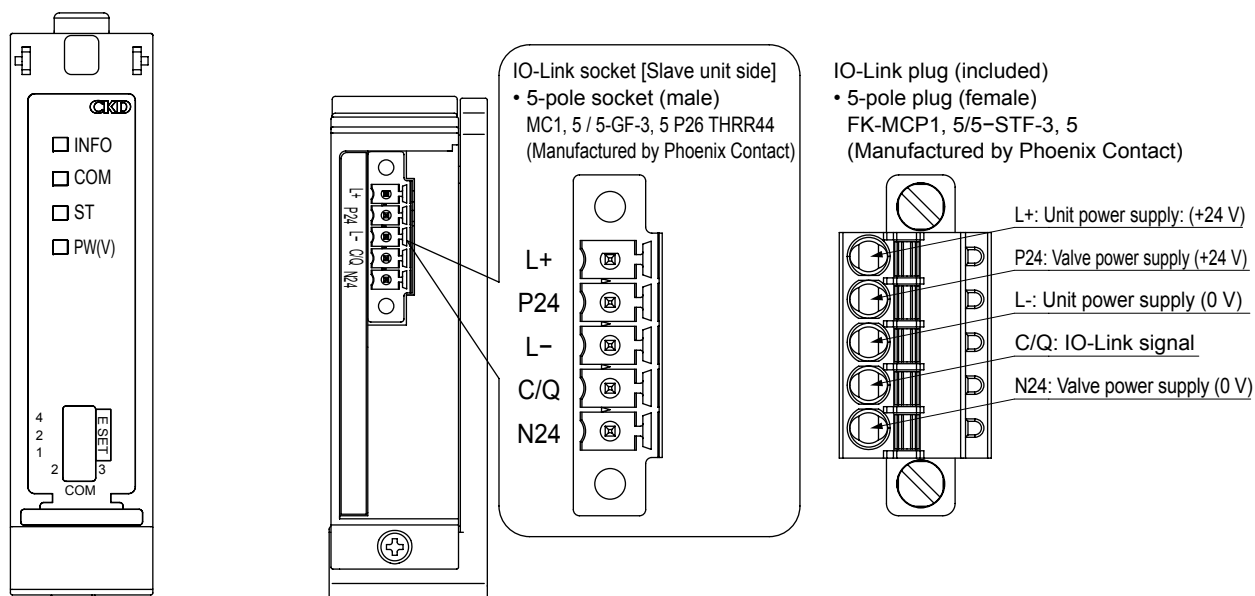
### Slave unit wiring

#### Wiring to the communication socket

Communication connectors are included with the product. However, connectors fitting the slave unit side connectors listed below can be used.

MC1, 5/5-GF-3, 5P26 THRR44 Phoenix Contact 5-pole connector

Wiring (communication socket)



### LED display description

LED name	Display description
INFO	Green lamp is ON when normal Red lamp blinks when abnormal
COM	OFF: Unit power supply is not turned ON Green lit: Unit power supply ON (IO-Link not in communication) Green blinking: Unit power supply ON (IO-Link in communication)
ST	OFF: No abnormality Red blinking (low speed): Maintenance Red blinking (high speed): Warning Red lit: Error
PW(V)	OFF: Valve power supply OFF Green lit: Valve power supply ON * Cannot be monitored when the unit power supply is not turned ON

### Switch setting

Output setting during communication error

4	E SET		Valve output operation during communication error
	2	1	
OFF	OFF	OFF	All points OFF
	OFF	ON	All points final output data
	ON	OFF	All points ON
	ON	ON	All points final reception process data
ON	-	-	Operation set from above by IO-Link communication for each point

Communication speed setting

COM	Communication speed
2↔3	
OFF	COM3
ON	COM2





# M4G2 Serial transmission - thin

## M4G<sup>A B D E</sup>2-T8 Manifold specifications sheet

Date issued / /

Company \_\_\_\_\_

● Contact                      ● Quantity    set(s)                      ● Delivery date    /

Contact \_\_\_\_\_

Slip No. \_\_\_\_\_ Order No. \_\_\_\_\_

Order No. \_\_\_\_\_

● Manifold model No.

**M** <sup>A B D E</sup> **G** **2** <sup>A B D E</sup> **OR-** <sup>A B D E</sup> **-** <sup>A B D E</sup> **-** <sup>A B D E</sup> **-** <sup>A B D E</sup> **3**

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

Solenoid valve model No.	Fitting CX		Valve installation position																				Quantity
	A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
4G	2	9R																					
4G	2	9R																					
4G	2	9R																					
4G	2	9R																					
4G	2	9R																					
3G	2	9R																					
3G	2	9R																					
Masking plate 4G2R-MP(S)-																							
Masking plate 4G2R-MP(D)-																							
Air supply spacer 4G2R-P-																							
In-stop valve spacer 4G2R-IS																							
Exhaust spacer 4G2R-R-																							
Pilot check valve spacer 4G2R-PC-M *																							
Mounting rail L <sub>2</sub> = * Write an integer multiple of 12.5	Included parts	Blanking plug				Threaded plug				Silencer													
		GWP4-B				GWP6-B				4G2R-06P				SLW-8S				SLW-8A					
		GWP8-B				GWP10-B *																	

\* Only M4GB supported

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

Connector pin No.				Installation position																			
T8KC*				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
T8KC1	IO-Link	NPN	16 points	1																			
T8KC2			32 points	2																			
T8KCP1		PNP	16 points	3																			
T8KCP2			32 points	4																			
				5																			
				6																			
				7																			
				8																			
				9																			
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				31																			
				32																			

# M4G3 Serial transmission - thin

## M4G<sup>A B D E</sup>3-T8 Manifold specifications sheet

Date issued      /      /  
 Company \_\_\_\_\_  
 Contact \_\_\_\_\_  
 Order No. \_\_\_\_\_

● Contact                      ● Quantity      set(s)                      ● Delivery date      /  
 Slip No. \_\_\_\_\_ Order No. \_\_\_\_\_

● Manifold model No.  
**M**  **G**<sup>A B D E</sup> **3**  **OR-**  -    -  -  -  **3**  
 Solenoid valves      Solenoid position      Port size      Serial transmission      Terminal/connector pin array      Option      Mount type      Station No.      Voltage

Solenoid valve model No.	Fitting CX		Valve installation position																Quantity
	A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
4G	3	9R-																	
4G	3	9R-																	
4G	3	9R-																	
4G	3	9R-																	
4G	3	9R-																	
3GA3		9R-																	
3GA3		9R-																	
Masking plate 4G3R-MP(S)-																			
Masking plate 4G3R-MP(D)-																			
Air supply spacer 4G3R-P-																			
In-stop valve spacer 4G3R-IS																			
Exhaust spacer 4G3R-R-																			
Mounting rail L <sub>2</sub> = <input type="text"/> * Write an integer multiple of 12.5.	Included parts	Blanking plug				Threaded plug				Silencer									
		GWP6-B	GWP8-B	GWP10-B	4G3R-08P	SLW-10A	SLW-10L												

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

Connector pin No.				Installation position															
T8KC*				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
T8KC1	IO-Link	NPN	16 points	1															
T8KC2			32 points	2															
T8KCP1	PNP	16 points	4																
T8KCP2			32 points	5															
				6															
				7															
				8															
				9															
				10															
				11															
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				32															







# Serial transmission (T8KC\*) wiring specifications sheet

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

\* Not required with standard wiring/double wiring.

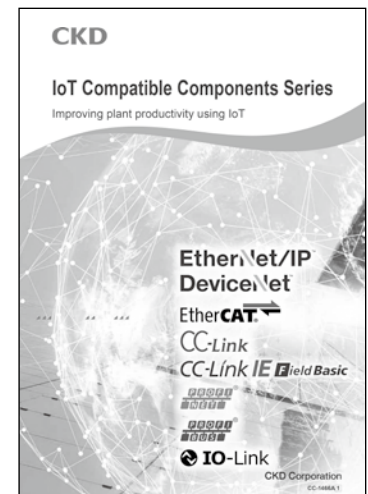
Serial transmission				Connector pin No.	Valve No.																							
				T8*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
T8KC1	IO-Link	NPN	16 points	1																								
T8KC2			32 points	2																								
T8KCP1		PNP	16 points	3																								
T8KCP2			32 points	4																								
				5																								
				6																								
				7																								
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## Related products

### IoT Compatible Components Series

- Compatible with various industrial networks to support IoT at production sites. Contributes to the visualization of actuators and sensors operating inside equipment.
- In addition to electric actuators and direct drive motors that require reduced wiring, the lineup includes sensor-level network devices that are closer to the workpiece.
- Pneumatic and electric devices are listed by network to help reduce work hours in determining the network for the equipment.

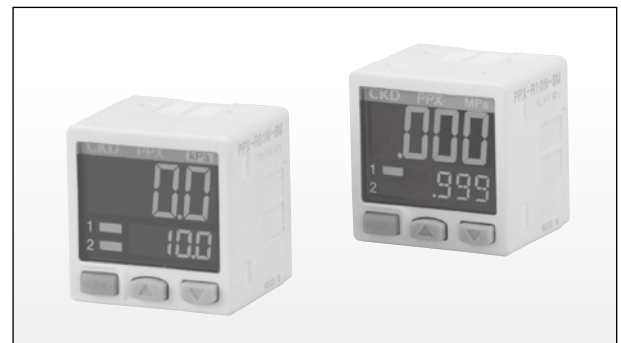
Catalog No. CC-1466A



### Digital pressure sensor PPX Series

- Increased visibility
- Analog current output is added to the high-function type
- Power consumption is further reduced
- Direct setting with 2-screen display
- Copy function helpful for reducing work processes and preventing misoperation.
- IO-Link compatible

Catalog No. CB-024SA

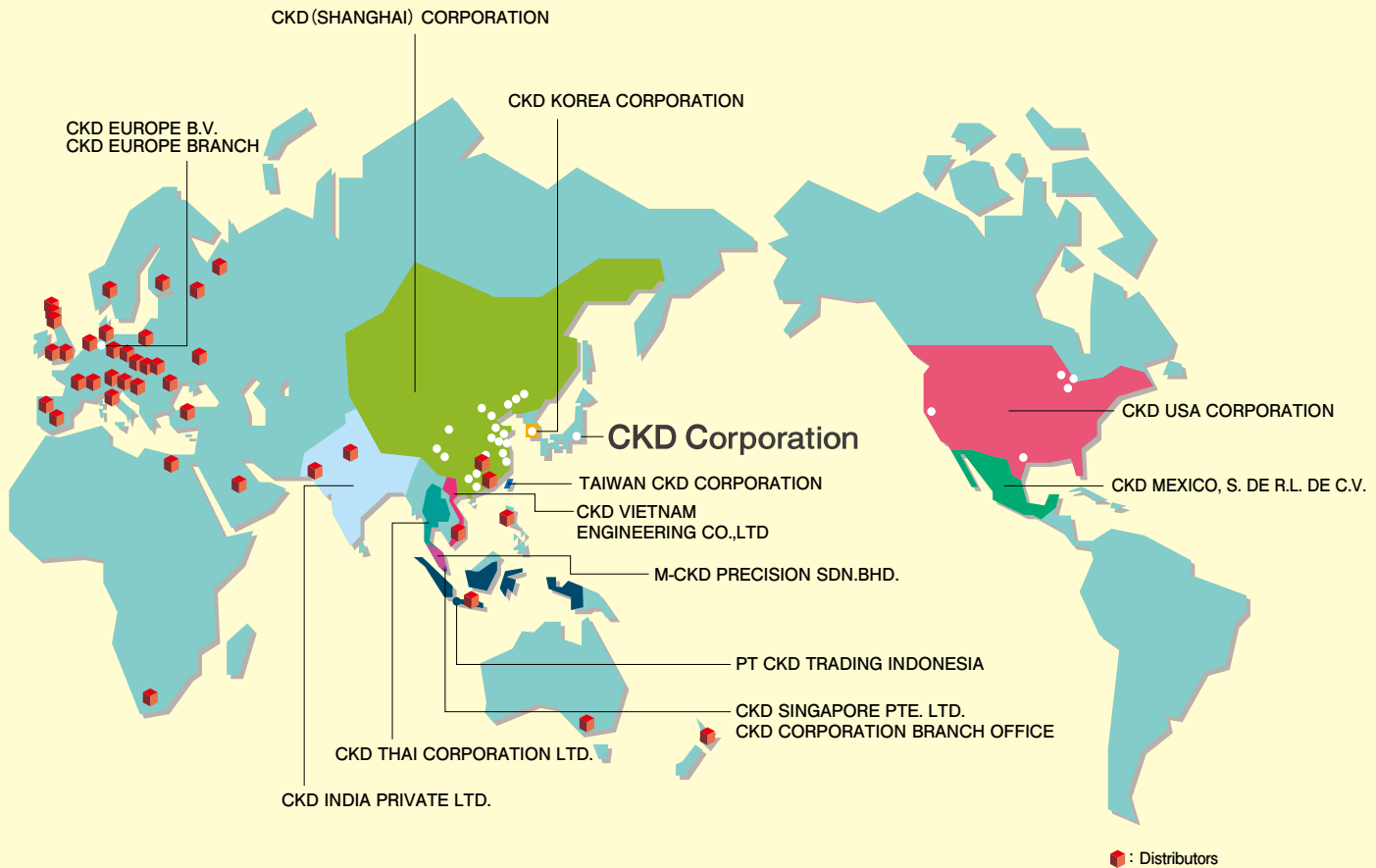


### Compact flow rate sensor (RAPIFLOW) FSM3 Series

- Five types of gases can be measured with just one unit
- Reduction of pressure loss
- High precision/high-speed response
- Bi-directional fluid measurement
- Rotatable LCD display
- Variety of fitting variations
- IO-Link compatible

Catalog No. CC-1393A





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