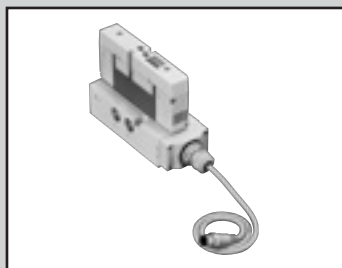


4GA/B
M4GA/B
MN4GA/B
4GA/B
(master)
4GB
With sensor
4GD/E
M4GD/E
MN4GD/E
4GA/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B
(master)
4F
4F
(master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HNV
HSV
2QV
3QV
SKH
Silencer
TotAirSys
(Total Air)
TotAirSys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



Single unit
Base side piping/base bottom piping

W4GB4/W4GZ4 Series

● Cylinder bore size: ø63 to ø125



(applies to DC voltage)

Refer to the Ending
for details.



Common specifications

Item	W4GB4/W4GZ4
Valve and operation	Pilot operated soft spool valve
Working fluid	Compressed air
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)
Min. working pressure MPa	0.2 (≈29 psi, 2 bar) (*3)
Proof pressure MPa	1.50 (≈220 psi, 15 bar)
Ambient temperature °C	-5 (23°F) to 55 (131°F) (no freezing)
Fluid temperature °C	5 (41°F) to 55 (131°F)
Manual override	Non-locking (standard)
Lubrication (*1)	Not required
Degree of protection (*2)	Dust proof/jet proof (IP65)
Vibration resistance m/s ²	49 or less
Shock resistance m/s ²	294 or less
Atmosphere	Cannot be used in corrosive gas environments

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

Note that excessive lubricant may cause unstable operation.

*2 : Tested according to the test method for IP65 (IEC60529 (IEC529: 1989-11)) standards.

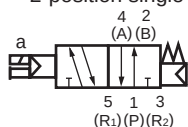
Refer to page 1186 for details.

*3 : The working pressure range is 0 to 1.0 MPa when the external pilot (option code: K) is selected. Set the external pilot pressure between 0.2 and 1.0 MPa.

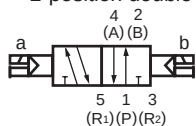
JIS symbol

● 5-port valve

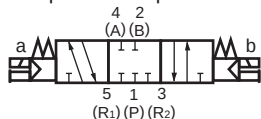
2-position single



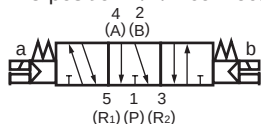
2-position double



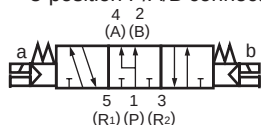
3-position all ports closed



3-position A/B/R connection



3-position P/A/B connection



Electrical specifications

Item			W4GB4/W4GZ4
Rated voltage	AC		100(50/60 Hz)
	V	DC	110(50/60 Hz)
			12,24
Voltage fluctuation range			±10%
Starting current	AC	100 V	0.056/0.044
		110 V	0.051/0.040
	DC	12 V	-
		24 V	-
Holding current	AC	100 V	0.028/0.022
		110 V	0.025/0.020
	DC	12 V	0.100
		24 V	0.050
Power consumption	AC	100 V	1.8/1.5
		110 V	
	DC	12 V	1.2
		24 V	
Thermal class			B (molded coil)

*4: Surge suppressor and indicator are supplied as standard.

Individual specifications

Item	W4GB4	W4GZ4
Port size	P/A/B port	Rc1/4, Rc3/8, G 1/4, G 3/8, NPT1/4, NPT3/8
	R-port	Rc1/4, Rc3/8, G1/4, G 3/8, NPT 1/4, NPT3/8
	PA/PR-port	Rc1/8, G1/8, NPT1/8

Performance/characteristics by model

Item	W4GB4/W4GZ4		
Response time ms	2-position	Single	30
		Double	30
	3-position	ABR connection	50

The response time is the value with a supply pressure of 0.5 MPa at 20°C and with no lubrication. It depends on the pressure and the lubricant quality.

Weight

Item			Terminal block	I/O connector	
Weight	g	2-position	Single	701(257)	755(257)
			Double	745(301)	799(301)
		3-position		777(332)	831(332)

Values in () do not include the discrete sub-plate.

Flow characteristics

Model No.	Solenoid position	P→A/B		A/B→R	
		C[dm ³ /(s·bar)]	b	C[dm ³ /(s·bar)]	b
W4GB4	2-position	7.7	0.31	7.3	0.16
	3-position	All ports closed	6.6	0.19	6.4
		ABR connection	6.5	0.15	7.3
		PAB connection	7.4	0.21	7.1

*1: Effective cross-sectional area S and sonic conductance C are converted as S ≈ 5.0 x C.

*2: Values of flow characteristics are for Rc3/8 port size.

W4GB4/W4GZ4 Series

Discrete valve; base side piping/base bottom piping

How to order

● Single unit

W4GB4 3 0 — 10 - R1 MF - 3

W4GZ4 3 0 — 10 - R1 M7 - 3

● Single sub-plate only

W4GB4 — SP - 10 - R1 K

W4GZ4 — SP - 10 - R1 K

● Discrete valve for integrated base(*7) Sub-plate

W4GB4 1 9-00 — M - 3

A Model No.

B Solenoid position

C Port size

D Electrical connections

E Option

F Voltage

⚠ Precautions for model selection

*1:Ports 3 (R2) and 5 (R1) of base bottom piping are Rc1/4.

*2:Ports 3 (R2) and 5 (R1) of base bottom piping are G1/4.

*3:Ports 3 (R2) and 5 (R1) of base bottom piping are NPT1/4.

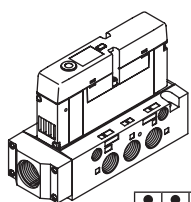
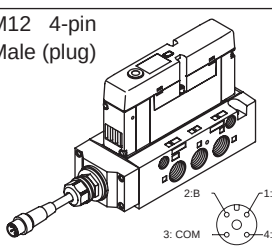
*4:I/O connector is DC voltage type only.

*5:Do not select M and M7 when selecting the manual override of non-locking/locking common.

*6:Includes both the manual override of non-locking and the lock with pilot air OFF function. The manual override of non-locking/locking common and the lock with pilot air OFF function cannot be selected together.

*7:As there is no body gasket attached, use the body gasket attached with the valve block.

Electrical connections

Name	Terminal block	I/O connector (for DC)
Code	Blank	R1
Shape		
Terminal layout		M12 4-pin Male (plug)

Coolant proof specifications

Can be selected with "How to order" Item Eoption "A" on page 1119.

Specifications for rechargeable battery

(Catalog No. CC-1226A)

● For use in the rechargeable battery manufacturing process, materials used for all parts are limited

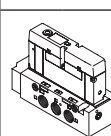
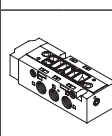
** - Voltage - **P40**

CE marking specifications

Target: DC voltage

** - Voltage - **ST**

- Standard voltage of 24 VDC or less is CE marking-compatible even if the model No. is not indicated with "ST".

A Model No.				
Single unit	Discrete sub Plate only	Discrete valve		
				
W4GB4	W4GZ4	W4GB4	W4GZ4	W4GB4

Code	Description	W4GB4	W4GZ4	W4GB4	W4GZ4	W4GB4
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	●	●			●

C Port size [ports 1(P), 2(B), 4(A)]						
08	Rc1/4	●	●(*1)	●	●(*1)	
10	Rc3/8	●	●(*1)	●	●(*1)	
08G	G1/4	●	●(*2)	●	●(*2)	
10G	G3/8	●		●		
08 N	NPT1/4	●	●(*3)	●	●(*3)	
10 N	NPT3/8	●		●		

D Electrical connections (lamp and surge suppressor provided as standard)						
Blank	Terminal block	●	●	●	●	●
R 1	I/O connector (for DC, 500 mm) (*4)	●	●	●	●	

E Option						
Blank	No option (*5) (Non-locking/locking model common manual override when M and M7 are not selected.)	●	●			●
M	Manual override of non-locking (standard)	●	●			●
M7	Lock with pilot air OFF function (*6)	●	●			●
K	External pilot	●	●	●	●	
A	Coolant proof	●	●			●
F	Port A/B filter	●	●	●	●	

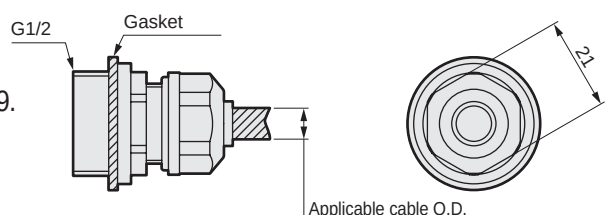
F Voltage						
1	100 VAC	●	●			●
3	24 VDC	●	●			●
4	12 VDC	●	●			●
5	110 VAC	●	●			●

■ indicates not available.

Parts kit No. for terminal block

● Cable clamp (with gasket)

Model No.	Description
W4G-OA-W1608C1	Used to protect cables from dust and jetting water.



Applicable cable O.D.: $\phi 6$ to $\phi 8$
(reference value)
Cable clamp body tightening torque: 2.0 to 2.4 N·m
Tightening cap tightening torque: 0.5 to 0.7 N·m

CKD

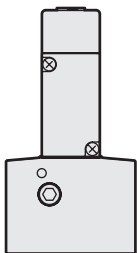
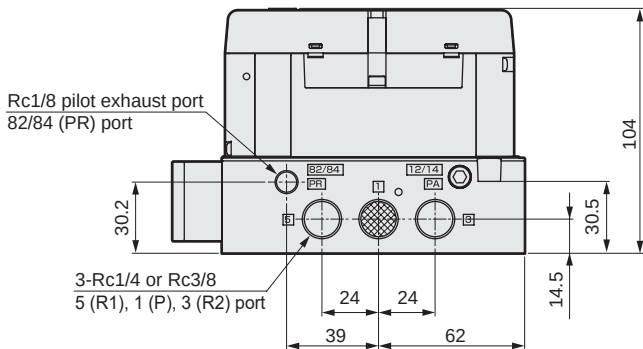
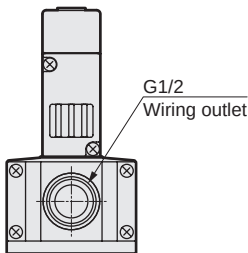
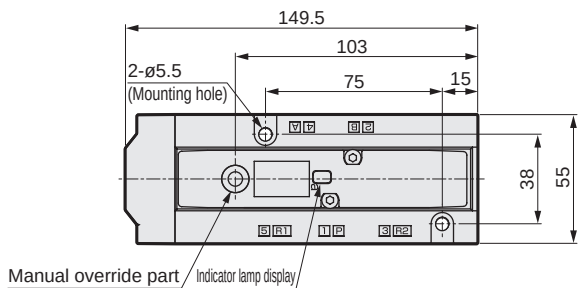
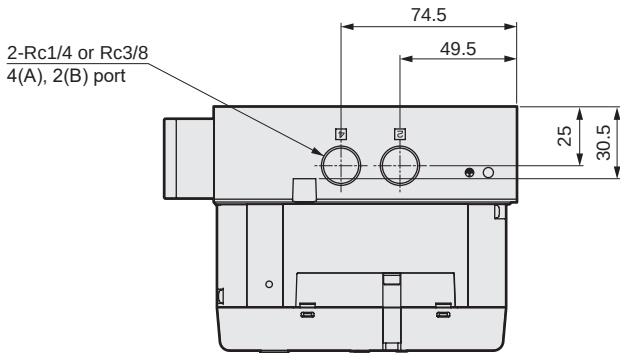
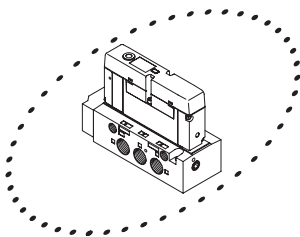
W4GB4/W4GZ4 Series

Discrete valve; base side piping/base bottom piping

Dimensions

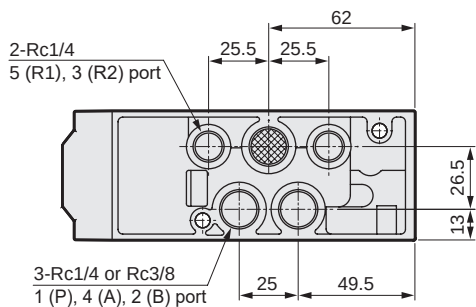
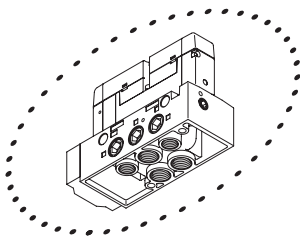
W4GB410 Side piping

● Terminal block (blank)



W4GZ410 Rear piping

● Terminal block (blank)



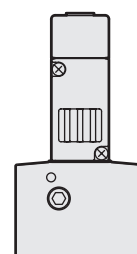
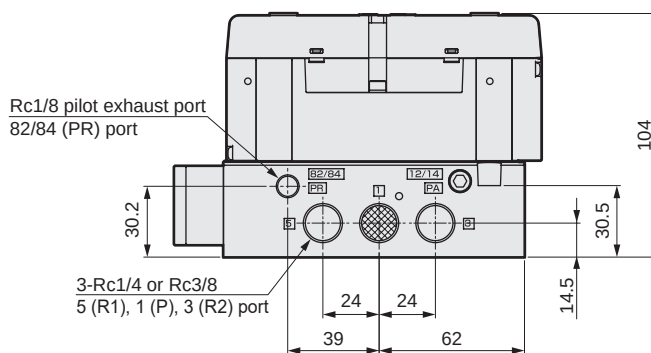
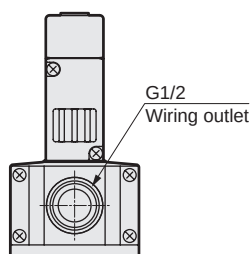
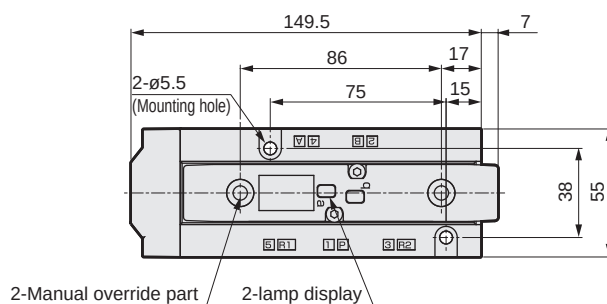
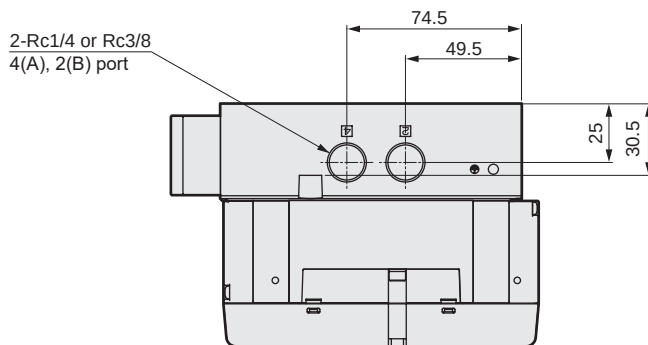
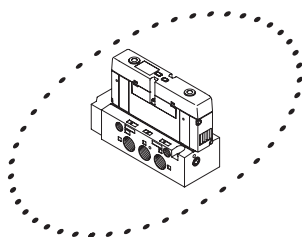
W4GB4/W4GZ4 Series

Discrete valve; base side piping/base bottom piping

Dimensions

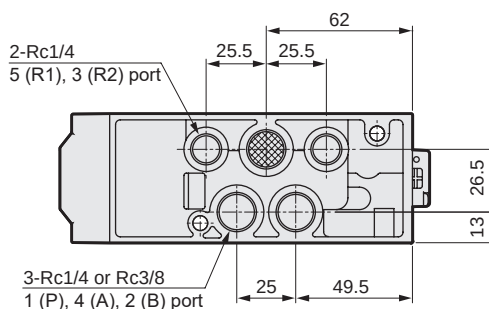
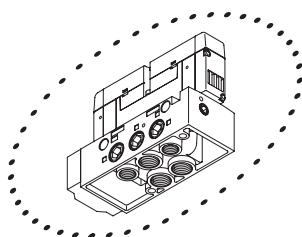
W4GB420 Side piping

● Terminal block (blank)



W4GZ420 Rear piping

● Terminal block (blank)



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

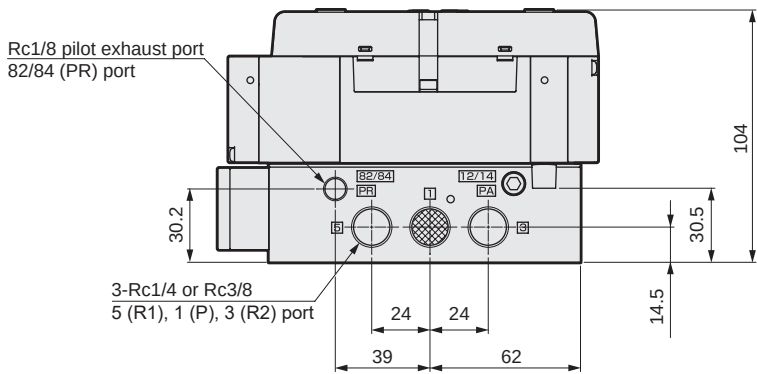
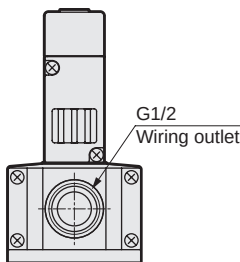
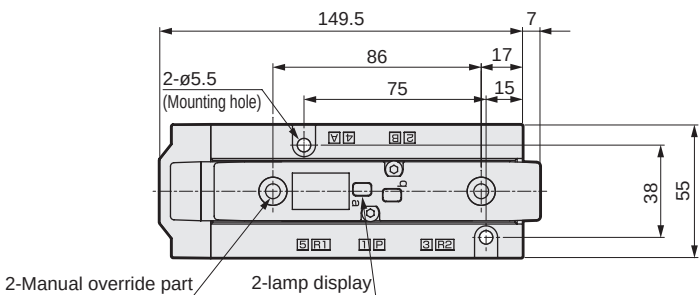
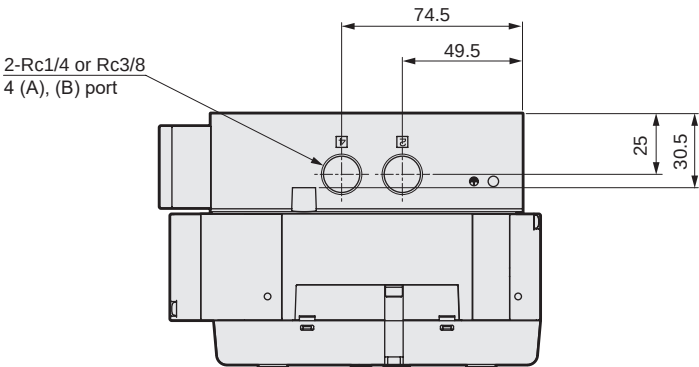
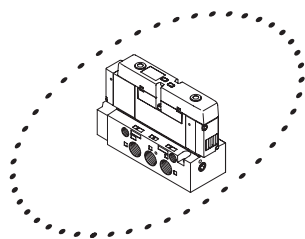
W4GB4/W4GZ4 Series

Discrete valve; base side piping/base bottom piping

Dimensions

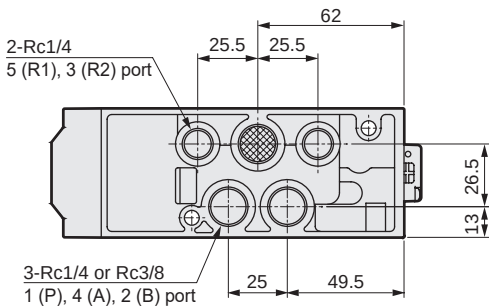
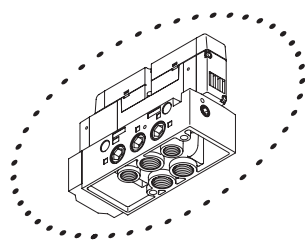
W4GB4³₄⁵ 0 Side piping

● Terminal block (blank)



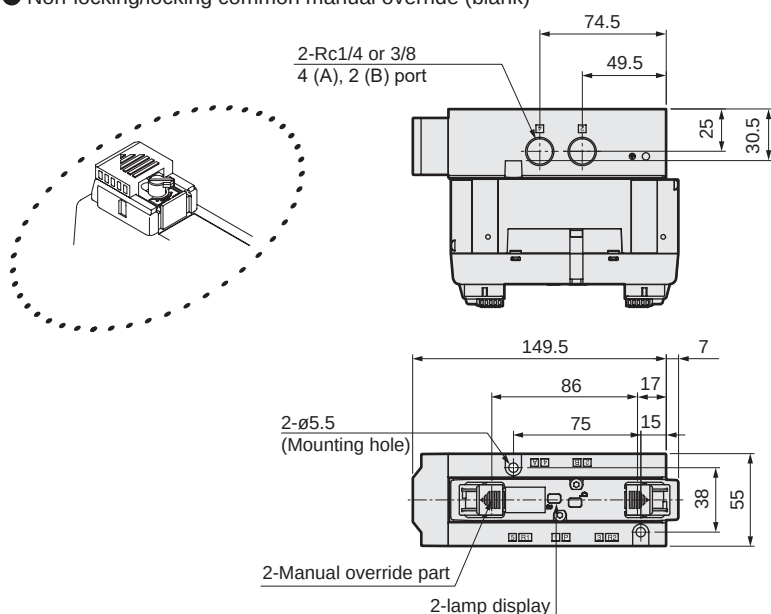
W4GZ4³₄⁵ 0 Rear piping

● Terminal block (blank)



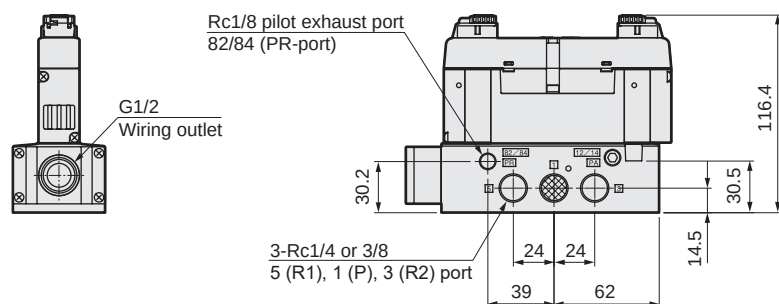
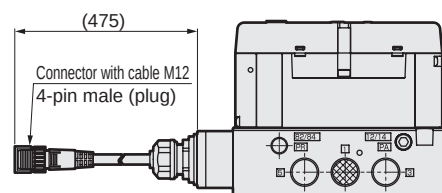
Dimensions

● Non-locking/locking common manual override (blank)

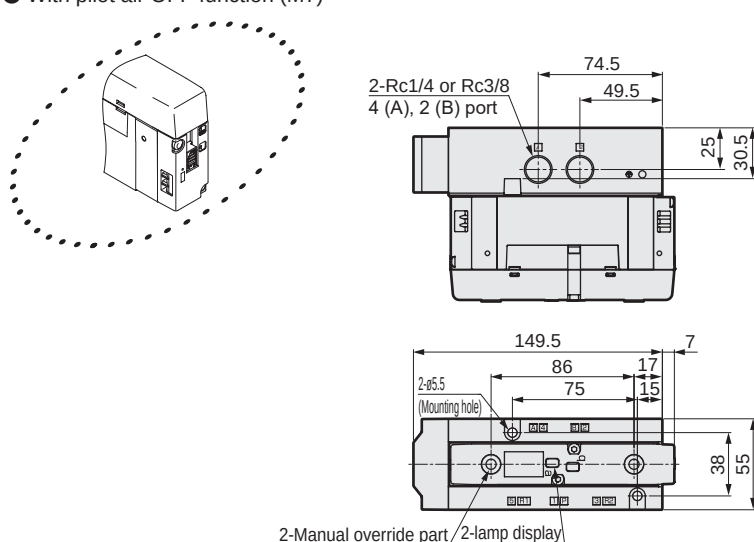


● I/O connector (R1)

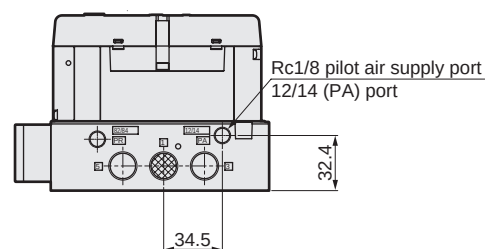
Cable used: VA-4DBX05KUG3-CKD276-PG7 (Correns)



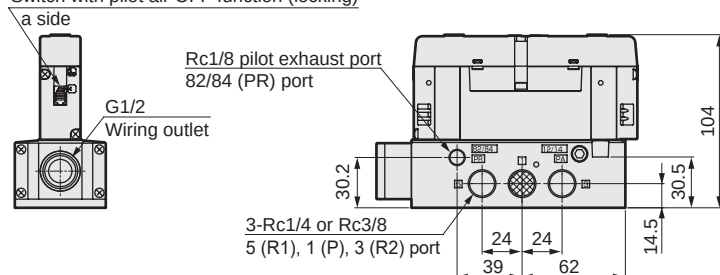
● With pilot air OFF function (M7)



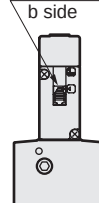
● External pilot (K)



Switch with pilot air OFF function (locking)

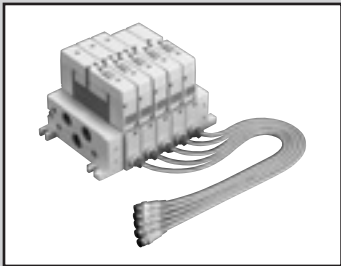


Switch with pilot air OFF function (locking)



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

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



Individual wiring manifold
Base side piping/base bottom piping

MW4G^B₂4-R1 Series

● Cylinder bore size: ø63 to ø125



Refer to the Ending for details.



Common specifications

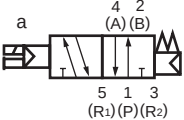
Item	MW4GB4	MW4GZ4
Manifold	Block manifold	
Supply and exhaust method	Common supply/common exhaust	
Pilot exhaust method	Main valve/pilot valve individual exhaust	
Piping direction	Lateral direction from base	Downward from base
Valve and operation	Pilot operated soft spool valve	
Working fluid	Compressed air	
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)	
Min. working pressure MPa	0.2 (≈29 psi, 2 bar) (*3)	
Proof pressure MPa	1.5 (≈220 psi, 15 bar)	
Ambient temperature °C	-5 (23°F) to 55 (131°F) (no freezing)	
Fluid temperature °C	5 (41°F) to 55 (131°F)	
Manual override	Non-locking (standard)	
Lubrication (*1)	Not required	
Degree of protection (*2)	Dust proof/jet proof (IP65)	
Vibration resistance m/s ²	49 or less	
Shock resistance m/s ²	294 or less	
Atmosphere	Cannot be used in corrosive gas environments	

- *1 : Use turbine oil Class 1 ISO VG32 for lubrication.
Excessive lubrication results in unstable operation.
- *2 : Tested according to the test method for IP65 (IEC60529 (IEC529: 1989-11)) standards.
Refer to page 1186 for details.
- *3 : The working pressure range is 0 to 1.0 MPa when the external pilot (option code: K) is selected. Set the external pilot pressure between 0.2 and 1.0 MPa.

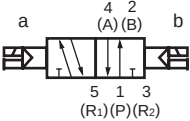
JIS symbol

● 5-port valve

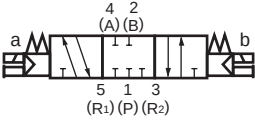
2-position single



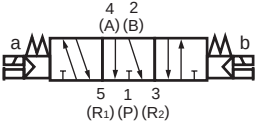
2-position double



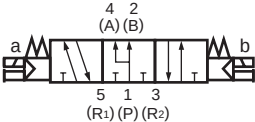
3-position all ports closed



3-position A/B/R connection



3-position P/A/B connection



Electrical specifications

Item	MW4GB4/MW4GZ4	
Rated voltage V	DC	12,24
Voltage fluctuation range	±10%	
Holding current A	12 VDC	0.100
	24 VDC	0.050
Power consumption W (*4)	12 VDC	1.2
	24 VDC	1.2
Thermal class	B (molded coil)	
Wiring method	I/O connector (for DC)	

*4: Surge suppressor and indicator are supplied as standard.

Individual specifications

Item	MW4GB4	MW4GZ4
Max. station No.	16	
Port size	P-port	Rc1/2, G1/2, NPT1/2
	A/B port	Rc1/4, Rc3/8, G1/4, G 3/8, NPT 1/4, NPT 3/8, Push-in fitting ø8, ø10, ø12
	R-port	Rc1/2, G1/2, NPT1/2
	PA/PR-port	Rc1/8, G1/8, NPT1/8

For weight, refer to page 1126.

Performance/characteristics by model

Item			MW4GB4/MW4GZ4	
			ON	OFF
Response time ms	2-position	Single	30	38
		Double	30	-
	3-position	ABR connection	50	58

The response time is the value with a supply pressure of 0.5 MPa at 20°C and with no lubrication. It depends on the pressure and the lubricant quality.

Flow characteristics

Model No.	Solenoid position	P→A/B		A/B→R	
		C[dm ³ /(s·bar)]	b	C[dm ³ /(s·bar)]	b
W4GB4	2-position	7.4	0.24	7.9	0.30
	3-position	All ports closed	6.4	0.22	7.1
		ABR connection	6.4	0.17	8.3
		PAB connection	7.1	0.16	7.4

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

*2: Values of flow characteristics are for Rc3/8 port size.

MW4G^B_Z4-R1 Series

Individual wiring manifold, base side piping/base bottom piping

How to order

Individual wiring I/O connector

- Manifold model No.

MW4GB4 8 0 - 10 - R1 M - 6 - 3

MW4GZ4 8 0 - 08 - R1 M - 6 - 3

- Discrete valve block with solenoid valve

NW4GB4 1 0 - 10 - R1 M7 - 3

NW4GZ4 1 0 - 08N - R1 M7 - 4

- Single valve for mounting base(*6)

W4GB4 1 9 - 00 - M - 3

A Model No. B Solenoid position

C Port size

D Electrical connections

E Option

F Station No.

G Voltage

⚠ Precautions for model selection

Be sure to fill in the "Manifold specifications sheet".

*1: Do not select M and M7 when selecting the manual override of non-locking/locking common.

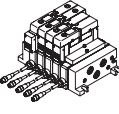
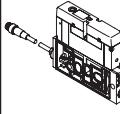
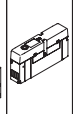
*2: Includes both the manual override of non-locking and the lock with pilot air OFF function. The manual override of non-locking/locking common and the lock with pilot air OFF function cannot be selected together.

*3: Specify the spacer mounting position/quantity in the manifold specifications sheet. Combination with the masking plate is not supported. Multiple stacked assemblies of spacers are available as made to order. For details on air supply spacer and exhaust spacer, refer to page 1156.

*4: Common for the internal and external pilots.

*5: A filter is built into port P as standard.

*6: As there is no body gasket attached, use the body gasket attached with the valve block.

A Model No.				
Manifold	Discrete valve block with solenoid valve	Single unit Valve		
				
MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4

Code	Description					
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	●	●	●	●	●
8	Mix manifold (when there are multiple solenoid positions)	●	●			

C Port size [2(B), 4(A) port]						
08	Rc1/4	●	●	●	●	
10	Rc3/8	●	●	●	●	
08G	G1/4	●	●	●	●	
10G	G3/8	●		●		
08 N	NPT1/4	●	●	●	●	
10N	NPT3/8	●		●		
C8	ø8 push-in	●		●		
C10	ø10 push-in	●		●		
C12	ø12 push-in	●		●		
CX	Push-in fitting mix	●				
HX	Screw-in mix	●	●			

D Electrical connections (lamp and surge suppressor provided as standard)						
R 1	I/O connector (500 mm)	●	●	●	●	

E Option						
Blank	No option (*1) (Non-locking/locking model common manual override when M and M7 are not selected.)	●	●	●	●	●
M	Manual override of non-locking (standard)	●	●	●	●	●
M7	Lock with pilot air OFF function (*2)	●	●	●	●	●
Z1	Air supply spacer (*3)	●	●			
Z3	Exhaust spacer (*3)	●	●			
K	External pilot	●	●	(*4)	(*4)	(*4)
A	Coolant proof	●	●	●	●	●
F	Port A/B filter (*5)	●	●	●	●	

F Station No.						
1 to 16	1 stations to 16 stations	●	●			

G Voltage						
3	24 VDC	●	●	●	●	●
4	12 VDC	●	●	●	●	●

● indicates not available.

Coolant proof specifications

Can be selected with "How to order" Item E option "A" on page 1125.

Specifications for rechargeable battery (Catalog No. CC-1226A)

- For use in the rechargeable battery manufacturing process, materials used for all parts are limited

** - Voltage - P40

CE marking specifications

** - Voltage - ST

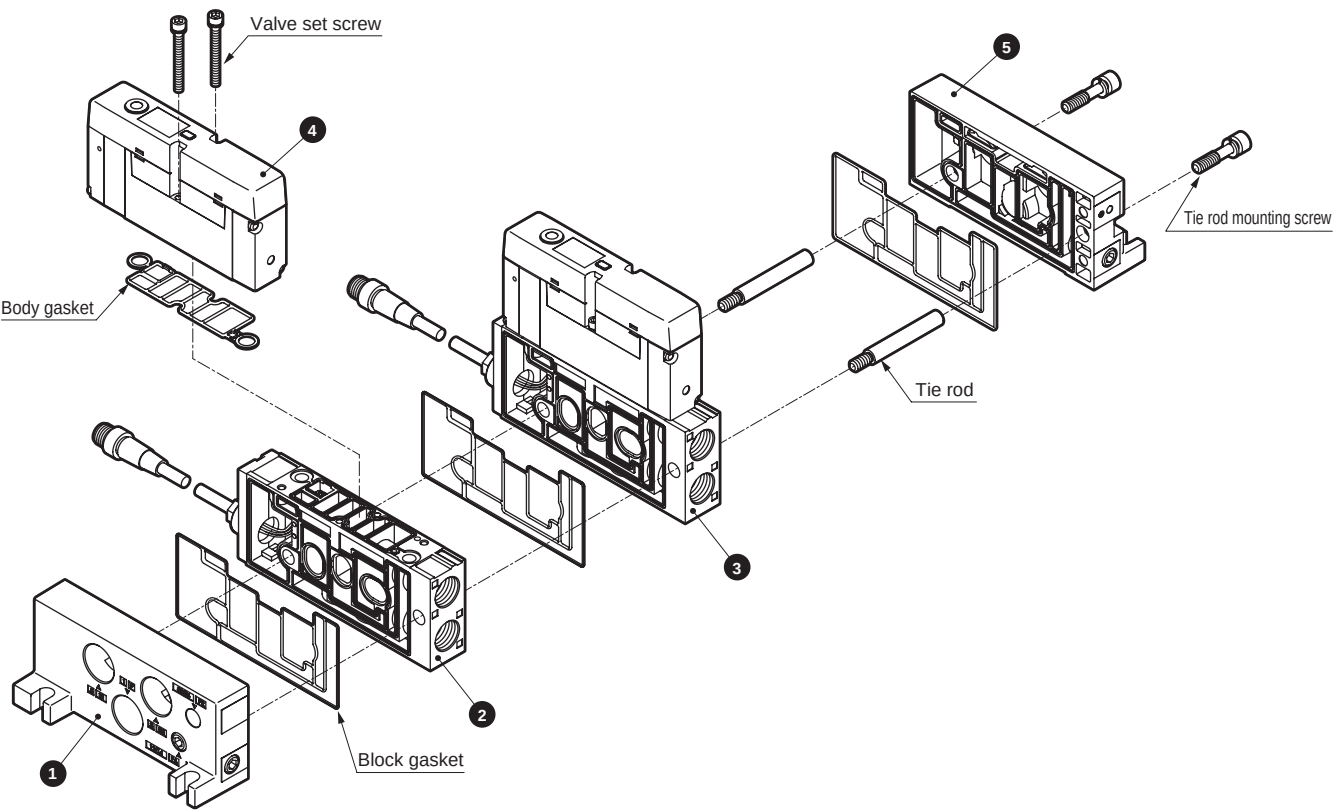
- Standard voltage of 24 VDC or less is CE marking-compatible even if the model No. is not indicated with "ST".

CKD

MW4G^B_Z4-R1 Series

Individual wiring manifold, base side piping/base bottom piping

Manifold components explanation and parts list



List of main components (refer to pages 1146 to 1156 for details)

No.	Component name	Model No. (example)	No.	Component name	Model No. (example)
1	End block L	NW4G4-EL	4	Discrete solenoid valve	W4GB419-00-M-3
2	Discrete valve block	NW4GB4-V-10-R1	5	End block R	NW4G4-ER
3	Discrete valve block with solenoid valve	NW4GB410-10-R1M-3			

Component weight (DC)

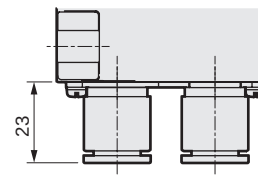
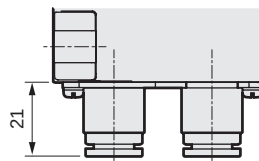
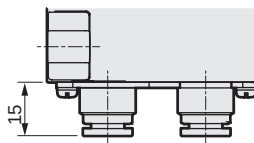
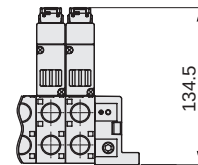
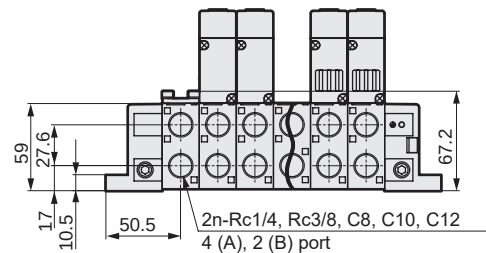
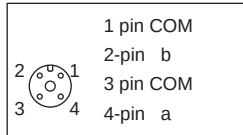
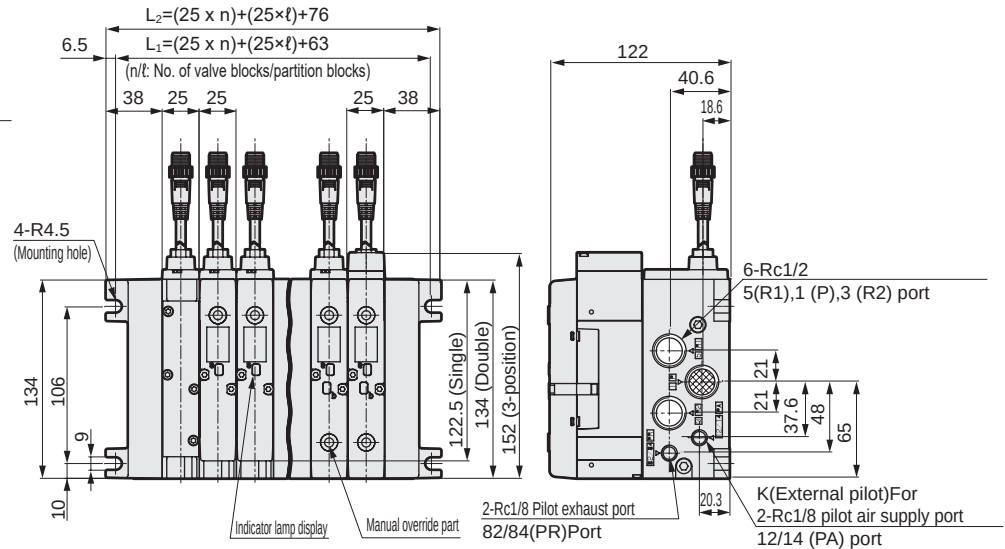
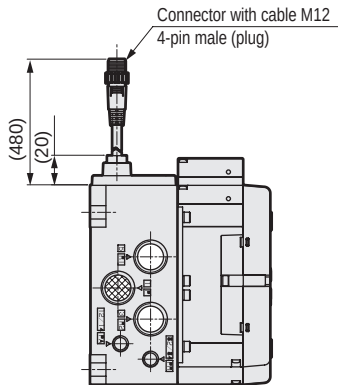
Components	Model No.	Weight	Components	Model No.	Weight
End block	NW4G4-EL	316	Exhaust spacer	W4G4-R-10	189
	NW4G4-ER	308	Tie rod (Set of 2)	W4G4-TR-V1 (For 1 station)	16
Discrete valve block with solenoid valve	NW4GB410-10-R1M-3	584		W4G4-TR-V2	36
	NW4GB420-10-R1M-3	629		W4G4-TR-V3	56
	NW4GB4 ³ / ₅ 0-10-R1M-3	661		W4G4-TR-V4	76
	NW4GZ410-08-R1M-3	617		W4G4-TR-V5	96
	NW4GZ420-08-R1M-3	662		W4G4-TR-V6	116
	NW4GZ4 ³ / ₅ 0-08-R1M-3	694		W4G4-TR-V7	136
Discrete valve block with masking plate	NW4GB4-MP-10-R1	415		W4G4-TR-V8 (For 8 stations)	156
	NW4GZ4-MP-08-R1	448	Tie rod mounting screw (2)		16
Partition block	NW4G4-SA	360	Valve block	NW4GB4-V-08-R1	347
Air supply spacer	W4G4-P-10	187		NW4GB4-V-10-R1	327
				NW4GB4-V-C*-R1	371
				NW4GZ4-V-08-R1	360

Parts list

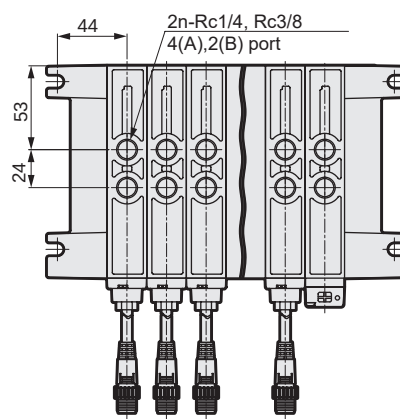
Applicable	Part name	Model No.
Valve block	Cartridge fitting ø8 straight	4G4-JOINT-C8
	Cartridge fitting ø10 straight	4G4-JOINT-C10
	Cartridge fitting ø12 straight	4G4-JOINT-C12

Individual wiring manifold, base side piping/base bottom piping

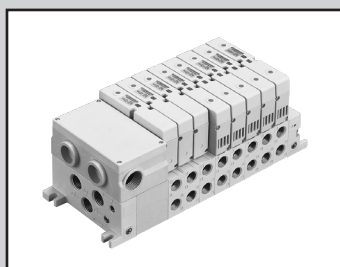
● I/O connector (R1)



- I/O connector (R1)



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



Reduced wiring manifold
Base side piping/base bottom piping

MW4G^B4-T1/3/7 Series

● Cylinder bore size: ø63 to ø125



(Applicable to: T10 (R)
DC voltage T6D1 (R))

Refer to the Ending
for details.



Common specifications

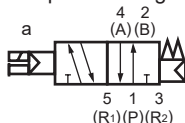
Item	MW4GB4	MW4GZ4
Manifold	Block manifold	
Supply and exhaust method	Common supply/common exhaust	
Pilot exhaust method	Main valve/pilot valve individual exhaust	
Piping direction	Lateral direction from base	Downward from base
Valve and operation	Pilot operated soft spool valve	
Working fluid	Compressed air	
Max. working pressure MPa	1.0	
Min. working pressure MPa	0.2 (*3)	
Proof pressure MPa	1.5	
Ambient temperature °C	-5 to 55 (no freezing)	
Fluid temperature °C	5 to 55	
Manual override	Non-locking (standard)	
Lubrication (*1)	Not required	
Degree of protection (*2)	Dust proof/jet proof (IP65)	
Vibration resistance m/s ²	49 or less	
Shock resistance m/s ²	294 or less	
Atmosphere	Cannot be used in corrosive gas environments	

- *1: Use turbine oil Class 1 ISO VG32 for lubrication. Excessive lubrication results in unstable operation.
- *2: Tested according to the test method for IP65 (IEC60529 (IEC529: 1989-11)) standards. Refer to page 1186 for details.
The degree of protection of T30 (custom made) is dust proof. Avoid water drops or oil, etc., during use.
- *3: The working pressure range is 0 to 1.0 MPa when the external pilot (option code: K) is selected. Set the external pilot pressure between 0.2 and 1.0 MPa.

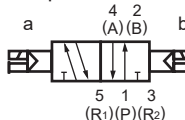
JIS symbol

● 5-port valve

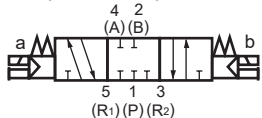
2-position single



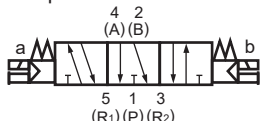
2-position double



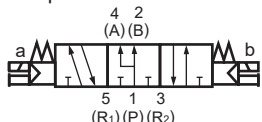
3-position all ports closed



3-position A/B/R connection



3-position P/A/B connection



Electrical specifications

Item	W4GB4/W4GZ4	
Rated voltage	AC	100(50/60 Hz)
	DC	110(50/60 Hz)
(*4)	V	12,24
Voltage fluctuation range		±10%
Starting current	AC	100 V
		110 V
	DC	12 V
		24 V
Holding current	AC	100 V
		110 V
	DC	12 V
		24 V
Power consumption	AC	100 V
		110 V
	DC	12 V
		24 V
(*5)	W	1.8/1.5
Thermal class		B (molded coil)

*4: Serial transmission connection is 24 VDC only.

*5: Surge suppressor and indicator are supplied as standard.

Individual specifications

Item	MW4GB4		MW4GZ4	
	T10(R)	T7***	T10(R)	T7***
Max. station No.	Common term. block	Serial transmission device unit	Common term. block	Serial transmission device unit
Max. number of solenoids	16		8	
Port size	P-port		Rc1/2, G1/2, NPT1/2	
	A/B port		Rc1/4, Rc3/8, G1/4, G 3/8, NPT 1/4, NPT 3/8, Push-in fitting ø8, ø10, ø12	
	R-port		Rc1/4, G 1/4 NPT1/4, Rc3/8	
	PA/PR-port		Rc1/2, G1/2, NPT1/2	

For weight, refer to page 1135.

Performance/characteristics by model

Item	MW4GB4/MW4GZ4	
	ON	OFF
Response time ms	2-position	Single
	3-position	Double
	ABR connection	58

The response time is the value with a supply pressure of 0.5 MPa at 20°C and with no lubrication. It depends on the pressure and the lubricant quality.

Flow characteristics

Model No.	Solenoid position	P→A/B		A/B→R	
		C[dm ³ /(s·bar)]	b	C[dm ³ /(s·bar)]	b
W4GB4	2-position	7.4	0.24	7.9	0.30
	3-position	All ports closed	6.4	0.22	7.1
		ABR connection	6.4	0.17	8.3
		PAB connection	7.1	0.16	7.4

*1: Effective cross-sectional area S and sonic conductance C are converted as S ≈ 5.0 x C.

*2: Values of flow characteristics are for Rc3/8 port size.

Reduced wiring specifications

Item	T10	T30
Type	Common terminal block M3 thread	D-sub-connector
Connector	-	D-sub-connector 25-pin

Specifications of serial transmission device (adapter) stations (refer to page 1167 for PLC compatibility table)

The communication setting file can be downloaded from the CKD website (<https://www.ckd.co.jp/en/>).

Item		Device unit dedicated for valves (without I/O block)		Device unit with I/O block	
		T7EC1	T7ECP1	T7ECB7	T7ECPB7
Network name		EtherCAT		EtherCAT	
Pwr. sply. voltage	Unit side	24 VDC ±10%		24 VDC ±10%	
	Valve side	24 VDC +10%, -5%		24 VDC +10%, -5%	
Current	Unit side	110 mA or less		110 mA or less (excluding input block current)	
	Valve side	15 mA or less (excluding load current)		15 mA or less (excluding load current)	
Valve output		NPN	PNP	NPN	PNP
Input/output point count		0/16		16/16	
Operation display		Power supply/communication status/valve power supply			
Degree of protection		IP65			

*1: Compatible with DeviceNet compliant networks (DLNK, etc.) as well.

Item		Device unit dedicated for valves (without I/O block)		Device unit with I/O block	
		T7EN1	T7ENP1	T7ENB7	T7ENPB7
Network name		EtherNet/IP			
Pwr. sply. voltage	Unit side	24 VDC ±10%			
	Valve side	24 VDC +10%, -5%			
Current	Unit side	130 mA or less		130 mA or less (excluding input block current)	
	Valve side	15 mA or less (excluding load current)			
Valve output		NPN output	PNP output	NPN output	PNP output
I/O points		16-point output	16-point output	16-point input/16-point output	16-point input/16-point output
LED display	Power supply	2 points: Unit power supply/valve power supply			
	Communication	4 points: MS, NS, L/A IN, L/A OUT			
Degree of protection		IP65			

Item		Device unit dedicated for valves (without I/O block)		Device unit with I/O block	
		T7EB1	T7EBP1	T7EBB7	T7EBPB7
Network name		CC-Link IEF Basic			
Pwr. sply. voltage	Unit side	24 VDC ±10%			
	Valve side	24 VDC +10%, -5%			
Current	Unit side	130 mA or less		130 mA or less (excluding input block current)	
	Valve side	15 mA or less (excluding load current)			
Valve output		NPN output	PNP output	NPN output	PNP output
I/O points		16-point output	16-point output	16-point input/16-point output	16-point input/16-point output
LED display	Power supply	2 positions: PW, PW (V)			
	Communication	4 positions: RUN, ERR, L/A IN, L/A OUT, INFO			
Degree of protection		IP65			

Item		Device unit dedicated for valves (without I/O block)		Device unit with I/O block	
		T7EP1	T7EPP1	T7EPB7	T7EPPB7
Network name		PROFINET			
Pwr. sply. voltage	Unit side	24 VDC ±10%			
	Valve side	24 VDC +10%, -5%			
Current	Unit side	130 mA or less		130 mA or less (excluding input block current)	
	Valve side	15 mA or less (excluding load current)			
Valve output		NPN output	PNP output	NPN output	PNP output
I/O points		16-point output	16-point output	16-point input/16-point output	16-point input/16-point output
LED display	Power supply	2 positions: PW, PW (V)			
	Communication	4 positions: RUN, ERR, L/A IN, L/A OUT, INFO			
Degree of protection		IP65			

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

MW4G^B_Z4-T1/3 Series

Reduced wiring manifold; base side piping/base bottom piping

I/O block specifications

● Input block

Model No.	NW4GB2- IN-N-K	NW4GB2- IN-N-B	NW4GB2 - IN-P-K	NW4GB2- IN-P-B
Item				
No. of inputs	4 points			
Rated input voltage	24 VDC			
Rated input current	7mA			
ON voltage	15 VDC or more (between input terminals and V)		15 VDC or more (between input terminals and G)	
OFF voltage/OFF current	5 VDC or less (between input terminal and V)/1.5 mA or less		5 VDC or less (between input terminal and G)/1.5 mA or less	
Input	Sink		Source type	
Power supply	Common with unit power supply	Externally supplied power	Common with unit power supply	Externally supplied power
Operation display	Power supply/input status			

*1: Refer to page 1154 for model No.

● Output block

Model No.	NW4GB2-OUT-N-B	NW4GB2-OUT-P-B
Item		
No. of output points	4 points	
Rated voltage	24 VDC	
Max. load current	1A/1 point (3A/common)	
Residual voltage	1.5 V or less	
Output	Sink	Source type
Protection circuit	Overcurrent protection/reverse connection protection	
Fuse	Power supply for external load: 24 VDC, 5A (can be replaced)	
Operation display	Power supply/output status	

*1: Refer to page 1154 for model No.

Coolant proof specifications

Can be selected with “How to order” Items ㊦ and ㊦ option “A” on pages 1131 and 1132.

CE marking specifications

Applicable to: T10(R) DC voltage

** - Voltage - **ST**

• Standard voltage of 24 VDC or less is CE marking-compatible even if the model No. is not indicated with "ST".

Specifications for rechargeable battery

(Catalog No. CC-1226A)

● For use in the rechargeable battery manufacturing process, materials used for all parts are limited

** - Voltage - **P40**

MW4G^B4-T1/3 Series

Reduced wiring manifold; body piping

How to order

- Manifold model No.

MW4GB4 8 0 - 10 — T10 W M - 6 - 3

MW4GZ4 8 0 - 08 — T10R W M - 6 - 3

- Discrete valve block with solenoid valve

NW4GB4 1 0 - 10 - 1 M7 — 1

NW4GZ4 1 0 - 08N - 1 M7 — 4

- Discrete valve for integrated base (*9)

W4GB4 1 9 - 00 — M — 3

A Model No. B Solenoid position

C Port size

D Electrical connections

E Wiring method

F Terminal/connector pin array

G Option

H Station No.

I Voltage

⚠ Precautions for model selection

*1 : Custom made. Consult with CKD.

*2 : Standard wiring...The wiring will be based on the type of valve used.

Double wiring...All wired for double solenoid valves regardless of the type of valve used.

*3 : Do not select M and M7 when selecting the non-locking/locking common manual override.

*4 : Includes both the non-locking manual override and the lock with pilot air OFF function. The non-locking/locking common manual override and the lock with pilot air OFF function cannot be selected at the same time.

*5 : Specify the spacer mounting position and quantity in manifold specifications sheet. Combination with the masking plate is not supported. Multiple stacked assemblies of spacers are available as custom order. For details on air supply spacer and exhaust spacer, refer to page 1156.

*6 : Common for the internal and external pilot.

*7 : A filter is built into the P-port as standard.

*8 : The max. station No. of manifold is 16 for standard wiring and 8 for double wiring.

*9 : As there is no body gasket included, use the body gasket attached with the valve block.

A Model No.				
Manifold	Discrete valve block with solenoid valve	Single solenoid valve		
				
MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4

Code	Description	MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4
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	●	●	●	●	●
8	Mix manifold (when there are multiple solenoid positions)	●	●			

C Port size [2(B), 4(A) port]						
08	Rc1/4	●	●	●	●	
10	Rc3/8	●	●	●	●	
08G	G1/4	●	●	●	●	
10G	G3/8	●	●	●	●	
08 N	NPT1/4	●	●	●	●	
10N	NPT3/8	●	●	●	●	
C8	ø8 push-in	●	●	●	●	
C10	ø10 push-in	●	●	●	●	
C12	ø12 push-in	●	●	●	●	
CX	Push-in fitting mix	●	●	●	●	
HX	Screw-in mix	●	●	●	●	

D Electrical connections						
Blank	Reduced wiring DC specifications			●	●	
1	Common terminal block AC specs. for 1 to 6 stations			●	●	
2	Common terminal block AC specs. for 7 to 12 stations			●	●	
3	Common terminal block AC specs. for 13 to 16 stations			●	●	

E Reduced wiring method (including standard lamp and surge suppressor)						
Blank	Discrete			●	●	●
T10	Common	Left specs.	●	●		
T10R	terminal block	Right-sided specs.	●	●		
T30	D-sub-connector	Left specs.	●	●		
T30R	(*1) Right-sided specs.	Right-sided specs.	●	●		

F Terminal/connector pin array						
Blank	Standard wiring (*2)	●	●	●	●	●
W	Double wiring (*2)	●	●	●	●	●

G Option						
Blank	No option (Non-locking/locking model common manual override when M and M7 are not selected.) (*3)	●	●	●	●	●
M	Manual override of non-locking (standard)	●	●	●	●	●
M7	Lock with pilot air OFF function (*4)	●	●	●	●	●
Z1	Air supply spacer (*5)	●	●			
Z3	Exhaust spacer (*5)	●	●			
Z7	Spacer regulator (*1)(*5)	●	●			
K	External pilot	●	●	(*6)	(*6)	(*6)
A	Coolant proof	●	●	●	●	●
F	Port A/B filter (*7)	●	●	●	●	●

H Station No.						
1 to 16	One station to 16 stations	● (*8)	● (*8)			

I Voltage						
1	100 VAC	●	●	●	●	●
3	24 VDC	●	●	●	●	●
4	12 VDC	●	●	●	●	●
5	110 VAC	●	●	●	●	●

indicates not available.

CKD

MW4G^BZ4-T7 Series

Reduced wiring manifold; base side piping/base bottom piping

How to order

● Manifold model No.

MW4GB4 8 0 - 10 - T7G1 W M - 6 - 3

MW4GZ4 8 0 - 08 - T7D1R W M - 6 - 3

● Discrete valve block with solenoid valve

NW4GB4 1 0 - 10 ——— M7 ——— 3

NW4GZ4 1 0 - 08N ——— M7 ——— 3

● Discrete valve for integrated base (*12)

W4GB4 1 9 - 00 ——— M ——— 3

A Model No. B Solenoid position

C Port size

D Wiring method

E Terminal/connector pin array

F Option

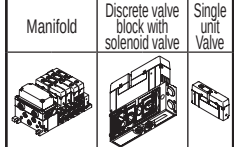
G Station No.

H Voltage

⚠ Precautions for model selection

- *1 : Standard wiring: The wiring will be based on the type of valve used.
Double wiring: All wired for double solenoid valves regardless of the type of valve used.
- *2 : Do not select M or M7 when selecting the non-locking/locking common manual override.
- *3 : Includes both the non-locking manual override and the lock with pilot air OFF function. The manual override of non-locking/locking common and the lock with pilot air OFF function cannot be selected together.
- *4 : Specify the spacer mounting position/quantity on the manifold specifications sheet. Combination with the masking plate is not supported.
Multiple stacked assemblies of spacers are available as made to order. For details on the air supply spacer and exhaust spacer, refer to page 1156.
- *5 : Common for internal and external pilots.
- *6 : A filter is built into port P as standard.
- *7 : The max. station No. of manifold is 16 for standard wiring and 8 for double wiring.
- *8 : Serial transmission connection is 24 VDC only.
- *9 : Refer to T7* on page 1170 for I/O block combinations.
- *10 : Refer to page 991 for I/O block specifications.
- *11 : As there is no body gasket included, use the body gasket attached with the valve block.

A Model No.



Manifold	Discrete valve block with solenoid valve	Single unit Valve
MW4GB4	MW4GZ4	NW4GB4
NW4GZ4		

Code	Description
------	-------------

B Solenoid position

Code	Description	MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4
1	2 position single	●	●	●	●	●
2	2-position double	●	●	●	●	●
3	3-position all ports closed	●	●	●	●	●
4	3-position ABR connection	●	●	●	●	●
5	3-position PAB connection	●	●	●	●	●
8	Mix manifold (when there are multiple solenoid positions)	●	●			

C Port size [2(B), 4(A) port]

Code	Description	MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4
08	Rc1/4	●	●	●	●	
10	Rc3/8	●	●	●	●	
08G	G1/4	●	●	●	●	
10G	G3/8	●	●	●	●	
08N	NPT1/4	●	●	●	●	
10N	NPT3/8	●	●	●	●	
C8	ø8 push-in	●	●	●	●	
C10	ø10 push-in	●	●	●	●	
C12	ø12 push-in	●	●	●	●	
CX	Push-in fitting mix	●	●	●	●	
HX	Screw-in mix	●	●	●	●	

D Wiring method (including standard lamp and surge suppressor)

Refer to the next page for reduced wiring.

E Terminal/connector pin array

Blank	Standard wiring (*1)	MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4
W	Double wiring (*1)	●	●	●	●	●

F Option

Blank	No option (Non-locking/locking model common manual override when M and M7 are not selected.) (*2)	MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4
M	Manual override of non-locking (standard)	●	●	●	●	●
M7	Lock with pilot air OFF function (*3)	●	●	●	●	●
Z1	Air supply spacer (*4)	●	●	●	●	●
Z3	Exhaust spacer (*4)	●	●	●	●	●
K	External pilot	●	●	(*)5	(*)5	(*)5
A	Coolant proof	●	●	●	●	●
F	Port A/B filter (*6)	●	●	●	●	●

Y** I/O block (*9) (*10)
(In **, enter the number of the desired I/O block combination from Table 1 [I/O block combination table].)

G Station No.

1 to 16	One station to 16 stations	MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4
		(*)7	(*)7			

H Voltage

3	24 VDC (*8)	MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4
		●	●	●	●	●

— indicates not available.

[Reduced wiring list]

		A Model No.				
		Manifold	Discrete valve block with solenoid valve	Single solenoid valve		
						
		MW4GB4	MW4GZ4	NW4GB4	NW4GZ4	W4GB4
Code	Description					
D Wiring method (including standard lamp and surge suppressor)						
Blank	Discrete			●	●	●
T7EC1	Thin EtherCAT 16 point output(NPN valve output)	●	●			
T7ECP1	Thin EtherCAT 16-point output (PNP valve output)	●	●			
T7ECB7	Thin (with I/O) type EtherCAT 16/16 points I/O(NPN valve output)	●	●			
T7ECPB7	Thin (with I/O) type EtherCAT 16/16 points I/O(PNP valve output)	●	●			
T7EN1	Thin EtherNet/IP 16-point output (NPN valve output)	●	●			
T7ENP1	Thin EtherNet/IP 16-point output (PNP valve output)	●	●			
T7ENB7	Thin EtherNet/IP 16/16 points I/O (NPN valve output)	●	●			
T7ENBP7	Thin EtherNet/IP 16/16 points I/O (PNP valve output)	●	●			
T7EB1	Thin CC-Link IEF Basic 16-point output (NPN valve output)	●	●			
T7EBP1	Thin CC-Link IEF Basic 16-point output (PNP valve output)	●	●			
T7EBB7	Thin CC-Link IEF Basic 16/16 points I/O (NPN valve output)	●	●			
T7EBPB7	Thin CC-Link IEF Basic 16/16 points I/O (PNP valve output)	●	●			
T7EP1	Thin PROFINET 16-point output (NPN valve output)	●	●			
T7EPP1	Thin PROFINET 16-point output (PNP valve output)	●	●			
T7EPB7	Thin PROFINET 16/16 points I/O (NPN valve output)	●	●			
T7EPPB7	Thin PROFINET 16/16 points I/O (PNP valve output)	●	●			

Coolant proof specifications

Can be selected with "How to order" Items ㉔ and ㉕ option "A" on pages 1131 and 1132.

Specifications for rechargeable battery (Catalog No. CC-1226A)

● For use in the rechargeable battery manufacturing process, materials used for all parts are limited

* * - Voltage - **P40**

(compatible only with T6*)

CE marking specifications

* * - Voltage - **ST**

- Standard voltage of 24 VDC or less is CE marking-compatible even if the model No. is not indicated with "ST".
- T6G1 and T6G1R are not CE marking.

Table 1 [I/O block combination table]

T7

Code	Layout of I/O blocks and station No.					
Y10						IN
Y20					IN	IN
Y30				IN	IN	IN
Y40			IN	IN	IN	IN
Y11					OUT	IN
Y21				OUT	IN	IN
Y31			OUT	IN	IN	IN
Y41		OUT	IN	IN	IN	IN
Y12				OUT	OUT	IN
Y22			OUT	OUT	IN	IN
Y32		OUT	OUT	IN	IN	IN
Y42	OUT	OUT	IN	IN	IN	IN

Wiring block side

*1: How to look at the table

Example) Y11 is a combination of one input block (4 points) and one output block (4 points).

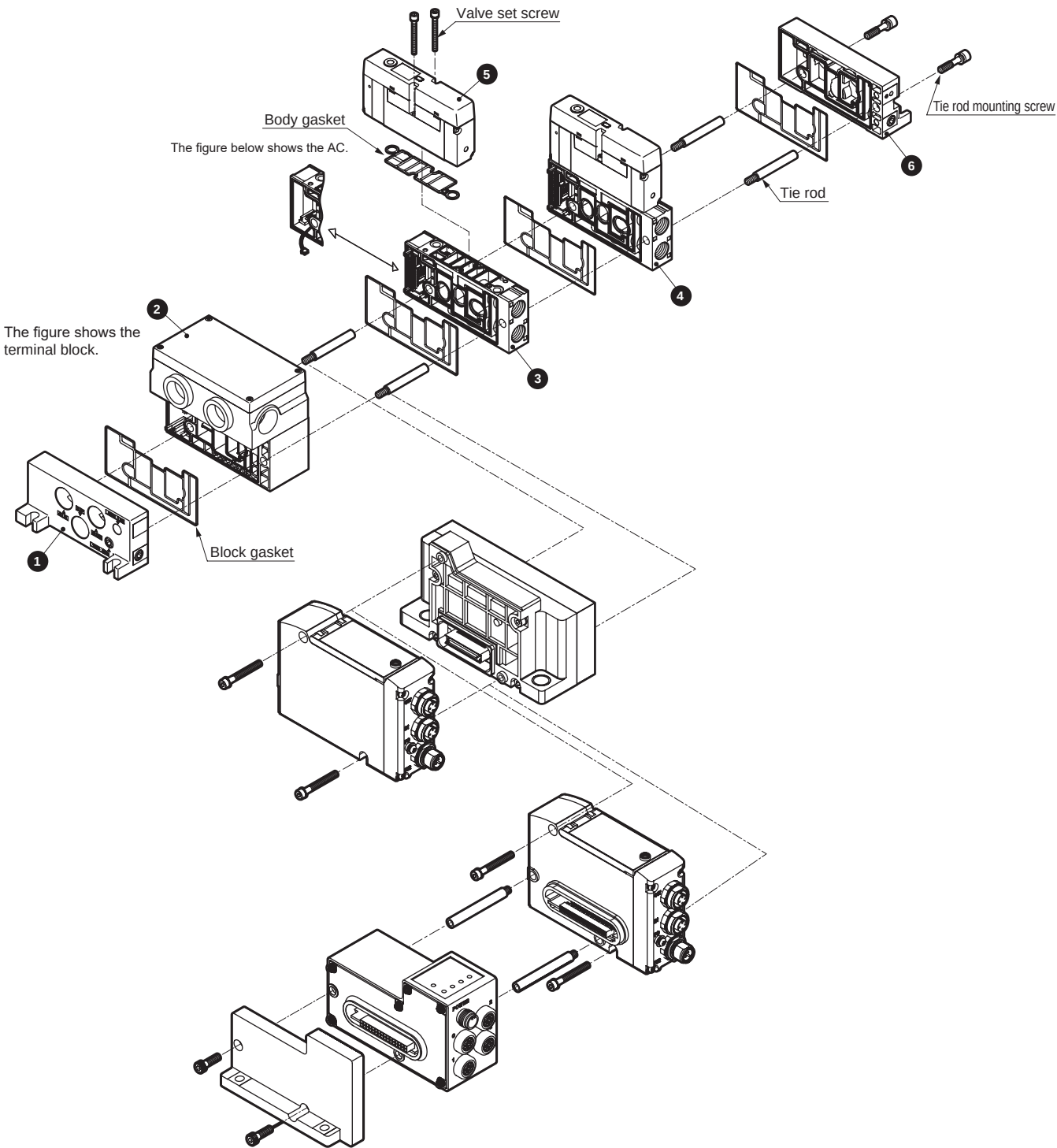
*2: Refer to "I/O point numbers corresponding to I/O No. of wiring method T8**" on page 1081 for details.

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

MW4G^B_Z4-T1/3/7 Series

Reduced wiring manifold; base side piping/base bottom piping

Manifold components explanation and parts list



List of main components (refer to pages 1146 to 1156 for details)

No.	Component name	Model No. (example)	No.	Component name	Model No. (example)
1	End block L	NW4G4-EL	4	Discrete valve block with solenoid valve	NW4GB410-10-M-3
2	Wiring block	NW4G4-T10	5	Discrete solenoid valve	W4GB419-00-M-3
3	Discrete valve block	NW4GB4-V1-10	6	End block R	NW4G4-ER

Component weight (DC)

Part name	Model No.	Weight	Part name	Model No.	Weight
End block	NW4G4-EL	316	Partition block	NW4G4-SA	360
	NW4G4-ER	308	Air supply spacer	W4G4-P-10	187
Valve block with solenoid valve	NW4GB410-10-M-3	584	Exhaust spacer	W4G4-R-10	189
	NW4GB420-10-M-3	629	Tie rod (Set of 2)	W4G4-TR-V1 (For 1 station)	16
	NW4GB4 ³ / ₅ 0-10-M-3	661		W4G4-TR-V2	36
	NW4GZ410-10-M-3	617		W4G4-TR-V3	56
	NW4GZ420-10-M-3	662		W4G4-TR-V4	76
	NW4GZ4 ³ / ₅ 0-10-M-3	694		W4G4-TR-V5	96
Valve block with masking plate	NW4GB4-MPD-101	415		W4G4-TR-V6	116
	NW4GZ4-MPD-08	448		W4G4-TR-V7	136
Wiring block	NW4G4-T10	550		W4G4-TR-V8 (For 8 stations)	156
	NW4G4-T30	905	Tie rod mounting screw (2)	-	16
	NW4G4-T7EC*	750	Valve block	NW4GB4-V2-08	291
				NW4GB4-V2-10	271
				NW4GB4-V2-C*	315
				NW4GZ4-V2-08	258

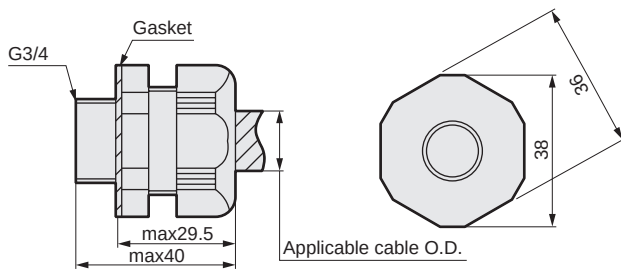
Related parts list

Applicable	Part name	Model No.
Valve Block	Cartridge fitting ø8 straight	4G4-JOINT-C8
	Cartridge fitting ø10 straight	4G4-JOINT-C10
	Cartridge fitting ø12 straight	4G4-JOINT-C12

Parts kit for T10 wiring block

- Cable clamp

Model No.	Applicable cable O.D.	Description
W4G-SCL-18A	ø14.5 to 16.5	Used to protect cables from dust and jetting water.
W4G-SCL-18B	ø16.5 to 18.5	



(Reference value)
 Body tightening torque : 4.0 to 4.5 N·m
 Cable clamp tightening torque: 3.0 to 3.5 N·m

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

MW4G^B_Z4-T1 Series

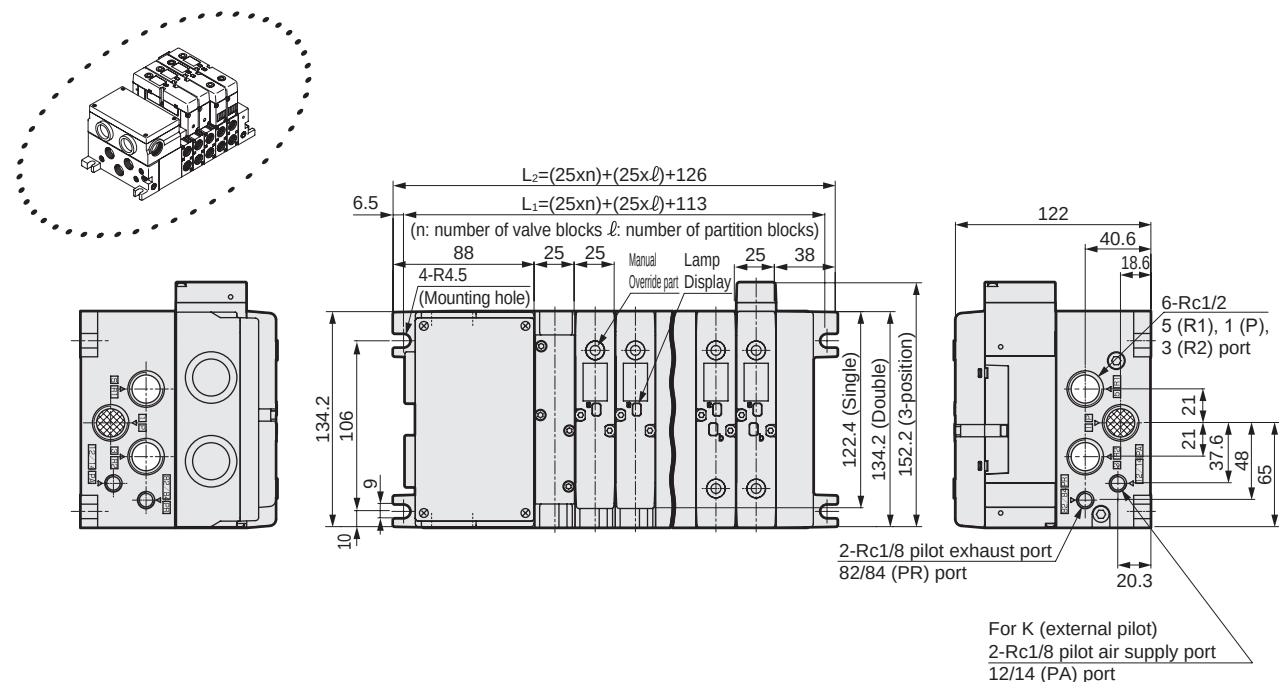
Reduced wiring manifold; base side piping/base bottom piping

Dimensions

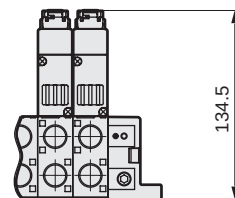
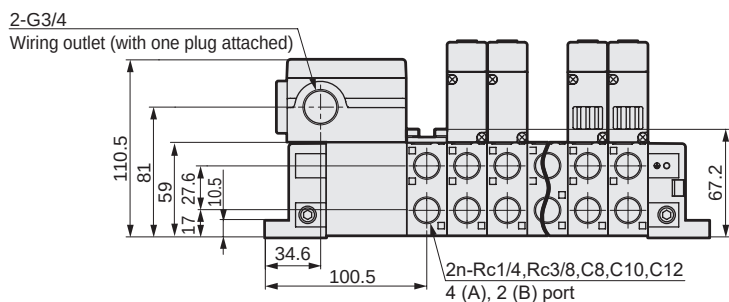
MW4GB4 Side piping

● Common terminal block (T10)

Left-sided specifications



● Non-locking/locking common manual override (blank)

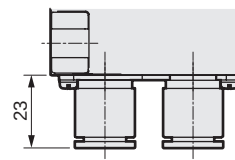
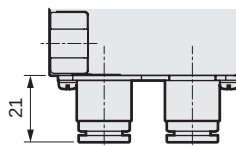
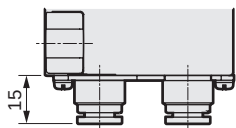


● Push-in fitting for valve block

● ø8(C8)

● ø10(C10)

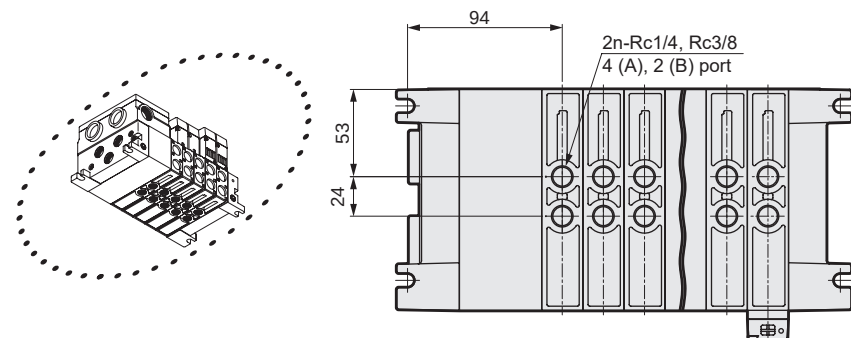
● ø12(C12)



MW4GZ4 Rear piping

● Common terminal block (T10)

Left-sided specifications

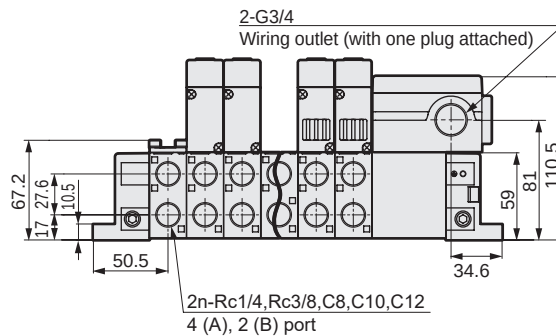
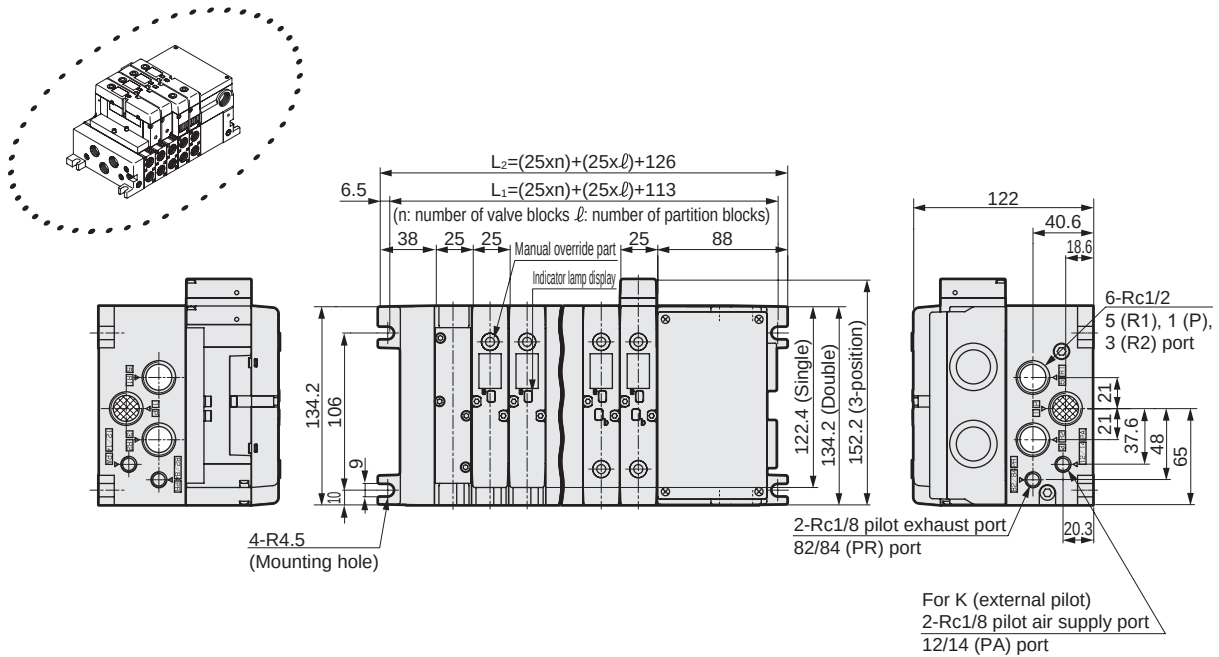


Dimensions

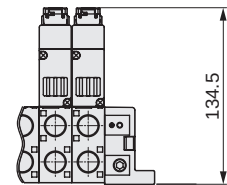
MW4GB4 Side piping

● Common terminal block (T10R)

Right-sided specifications

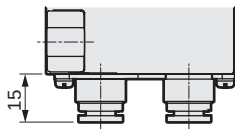


● Non-locking/locking common manual override (blank)

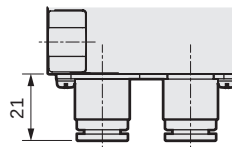


● Push-in fitting for valve block

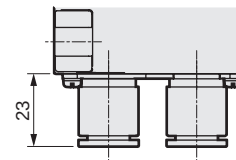
● $\varnothing 8$ (C8)



● $\varnothing 10$ (C10)



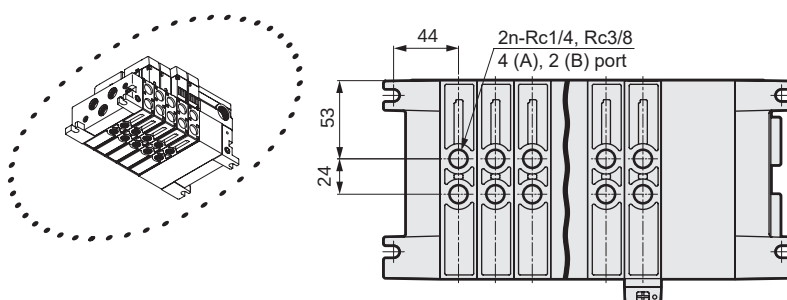
● $\varnothing 12$ (C12)



MW4GZ4 Rear piping

● Common terminal block (T10R)

Right-sided specifications



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

MW4G^B_Z4-T3 Series

Reduced wiring manifold; base side piping/base bottom piping

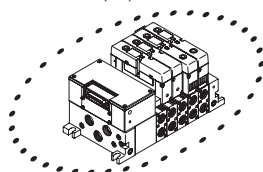
Dimensions

MW4GB4 Side piping (Custom made)

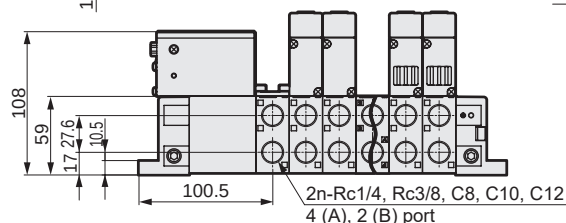
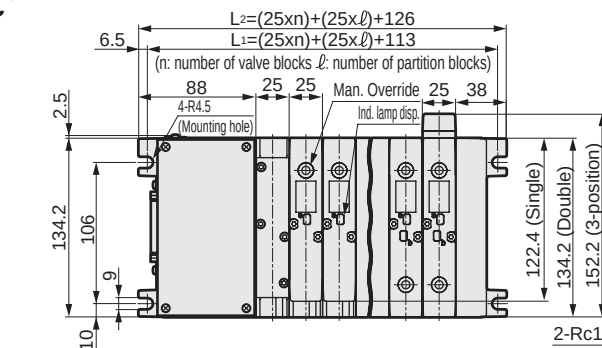
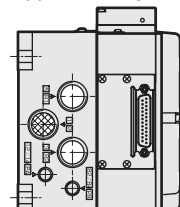
● D-sub-connector (T30)

Left-sided specifications

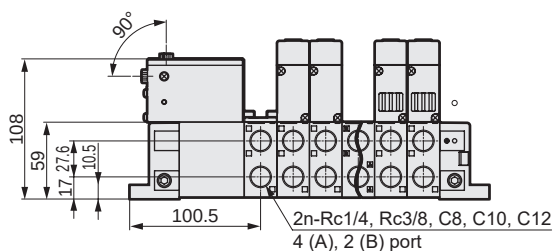
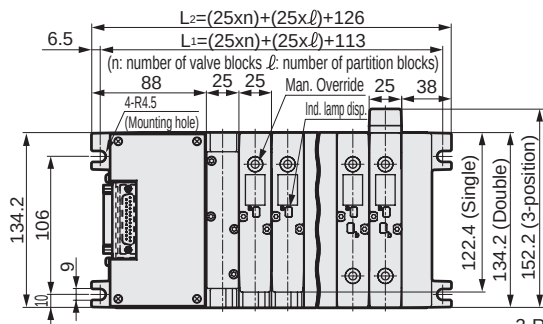
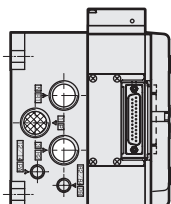
* Custom made. Consult with CKD.



·Applied voltage: AC



·Voltage: DC

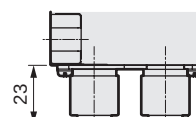
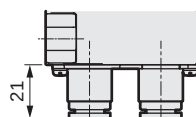
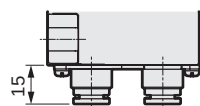


● Push-in fitting for valve block

·ø8 (C8)

·ø10 (C10)

·ø12 (C12)

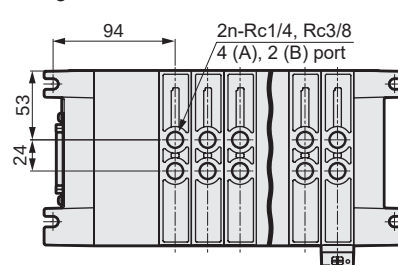
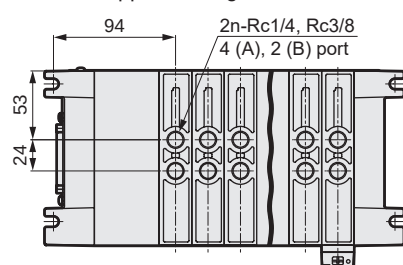
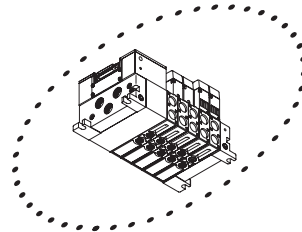


MW4GZ4 Rear piping

● D-sub-connector (T30) Left-sided specifications (custom order)

·Applied voltage: AC

·Voltage: DC



Dimensions

MW4GB4 Side piping

● D-sub-connector (T30R) Right-sided specifications (Custom made)

* Custom made. Consult with CKD.

4GA/B

M4GA/B

MN4GA/B

4GA/B (master)

4GB

With sensor

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E

MN4E

W4GA/B2

W4GB4

MN3S0

MN4S0

4SA/B0

4KA/B

4KA/B (master)

4F

4F (master)

PV5G

GMF

PV5

GMF

PV5S-0

3Q

MV3QR

3MA/B0

3PA/B

P/M/B

NP/INP

NVP

4G*0EJ

4F*0EX

4F*0E

HMV

HSV

2QV

3QV

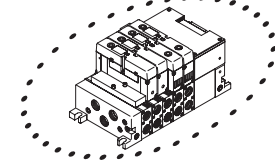
SKH

Silencer

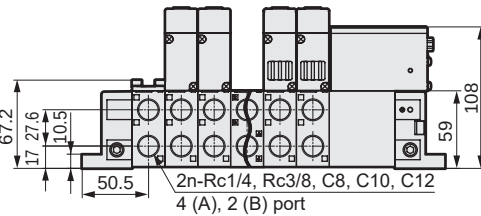
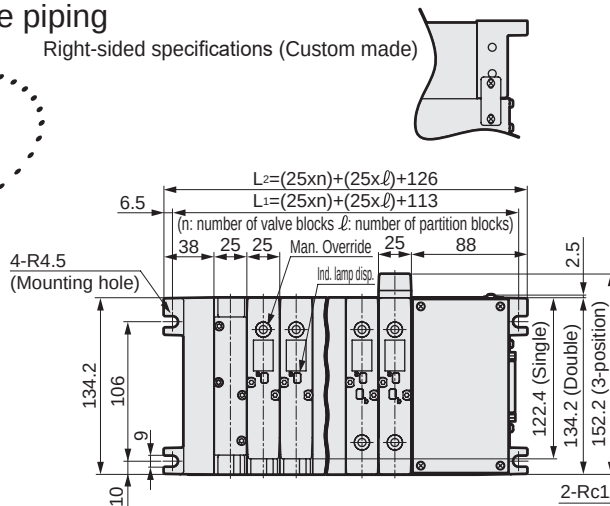
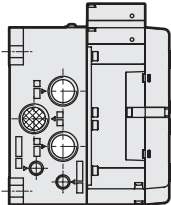
TotAirSys (Total Air)

TotAirSys (Gamma)

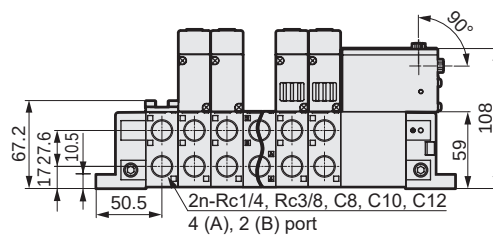
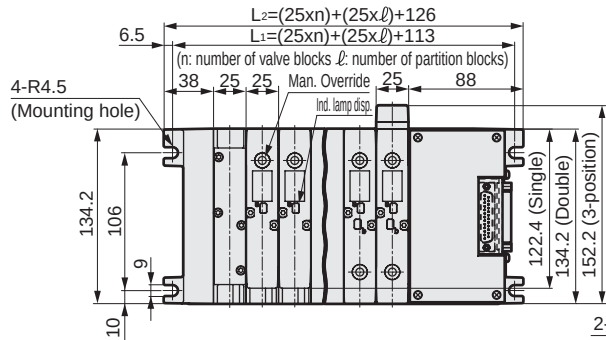
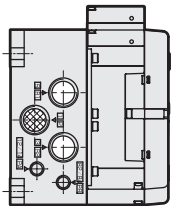
Ending



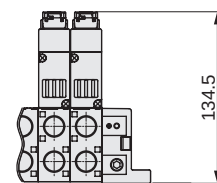
·Applied voltage: AC



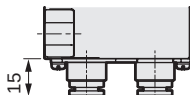
·Voltage: DC



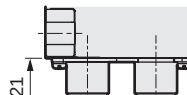
● Non-locking/locking common manual override (blank)



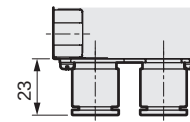
● Push-in fitting for valve block
·ø8 (C8)



·ø10 (C10)



·ø12 (C12)

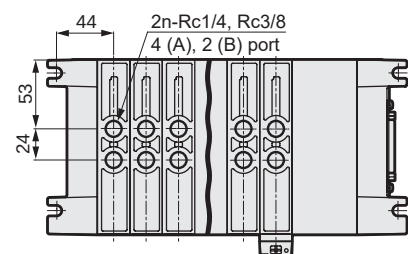
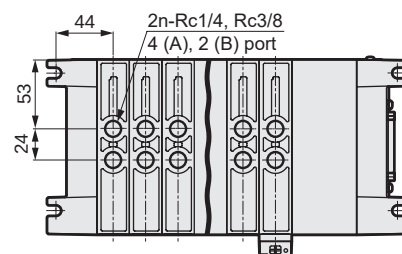
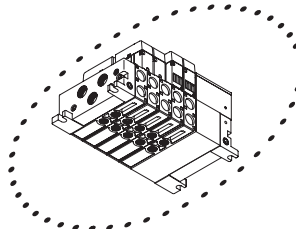


MW4GZ4 Rear piping

● D-sub-connector (T30R) Right-sided specifications (custom order)

·Applied voltage: AC

·Voltage: DC



MW4G^B_Z4-T6 Series

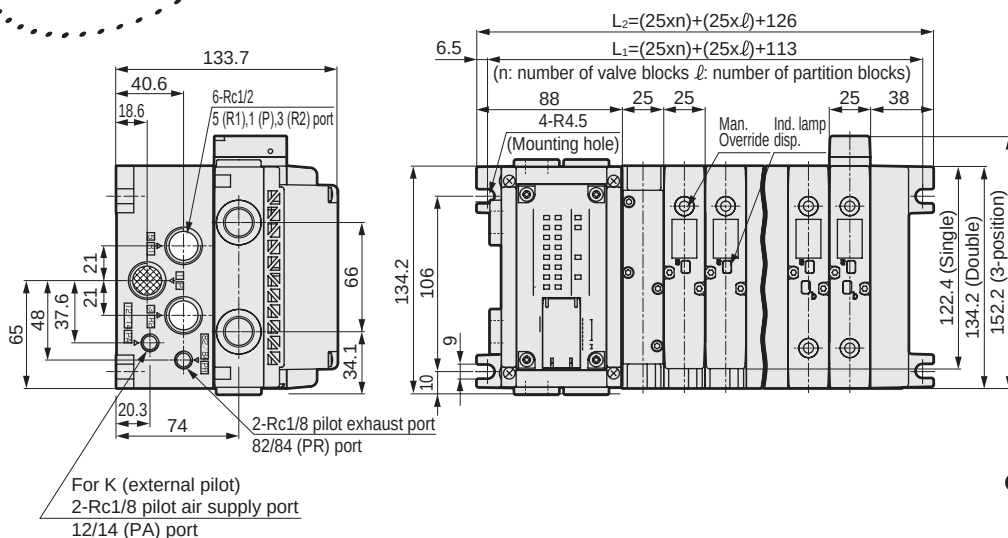
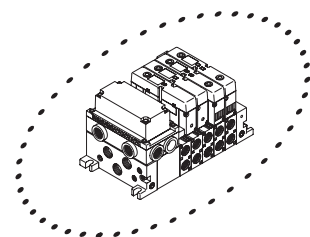
Reduced wiring manifold; base side piping/base bottom piping

Dimensions

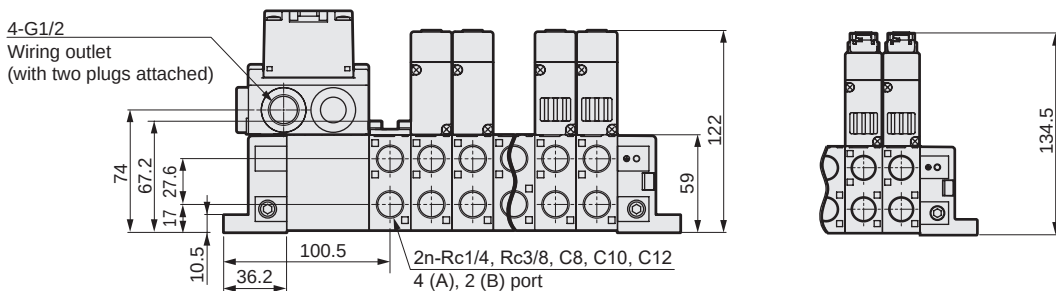
MW4GB4 Side piping

● Serial transmission (T6*1) Left-sided spec.

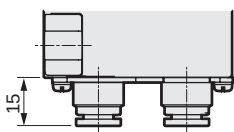
End of production product



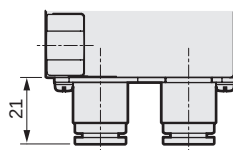
● Non-locking/locking common manual override (blank)



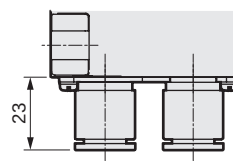
● Push-in fitting for valve block
● Ø8 (C8)



● Ø10 (C10)

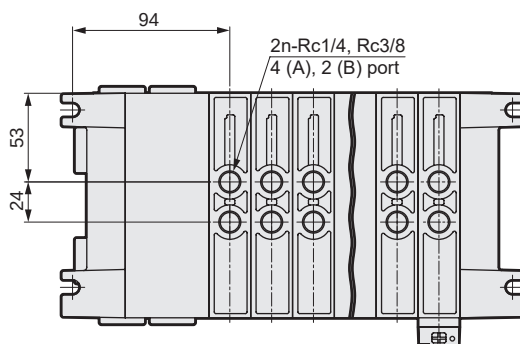
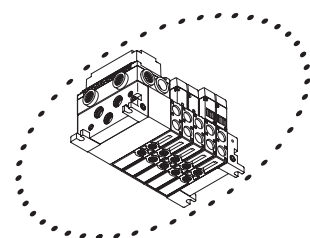


● Ø12 (C12)



MW4GZ4 Rear piping

● Serial transmission (T6*1) Left-sided spec.

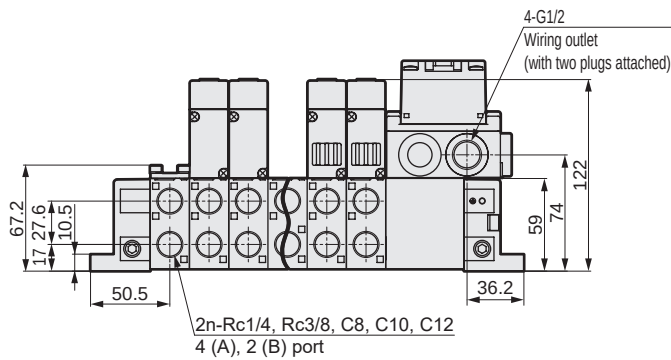
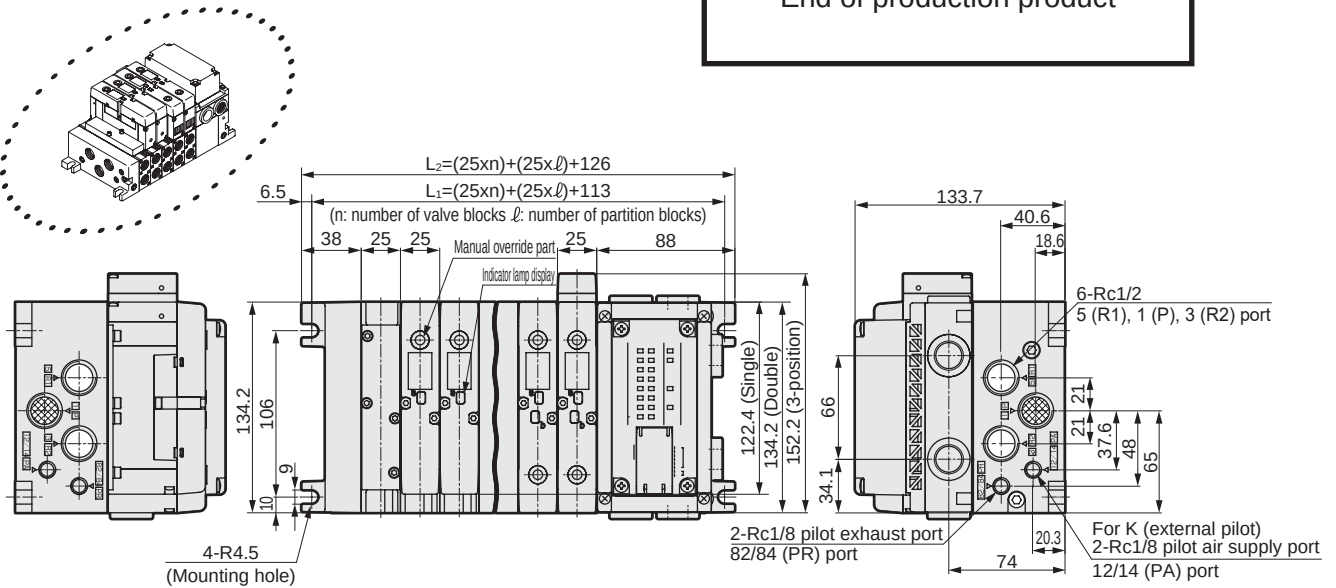


Dimensions

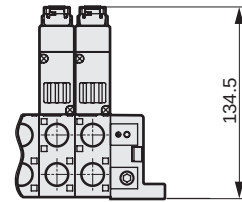
MW4GB4 Side piping

- Serial transmission (T6*1R) Right-sided spec.

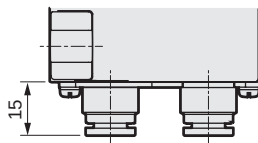
End of production product



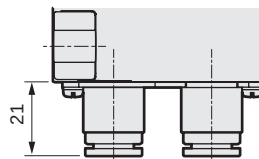
- Non-locking/locking common manual override (blank)



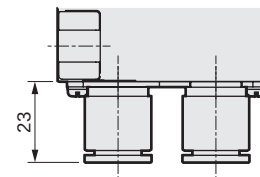
- Push-in fitting for valve block
- $\varnothing 8$ (C8)



- $\varnothing 10$ (C10)

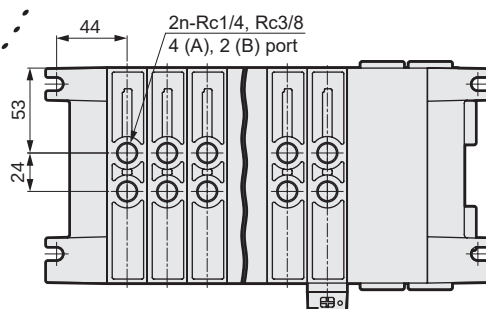
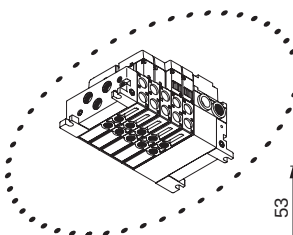


- $\varnothing 12$ (C12)



MW4GZ4 Rear piping

- Serial transmission (T6*1R) Right-sided spec.



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

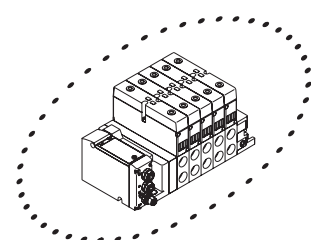
MW4G^B_Z4-T7 Series

Reduced wiring manifold; base side piping/base bottom piping

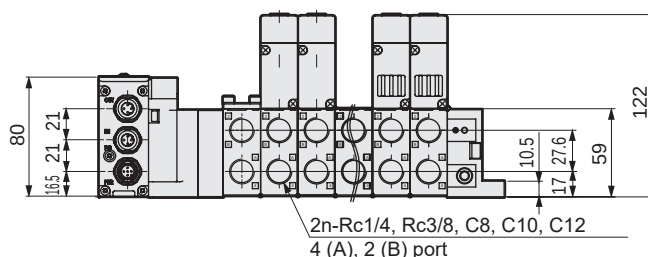
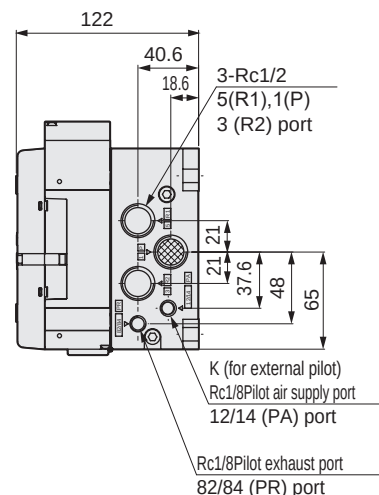
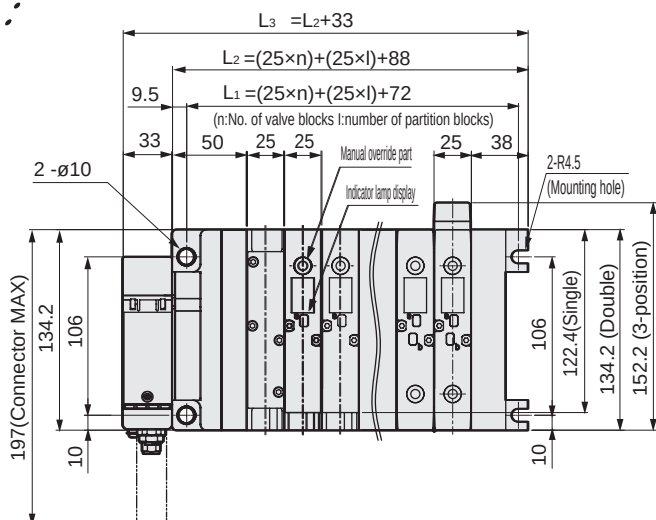
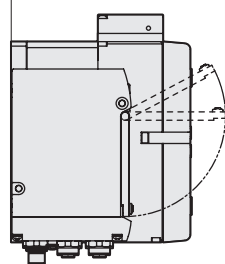
Dimensions

MW4GB4 Side piping

● Serial transmission (T7*) Left-sided spec.



143(When switch cover opened)

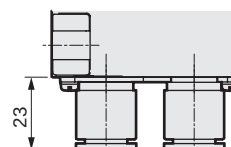
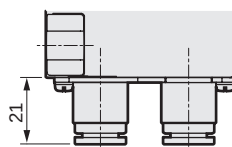
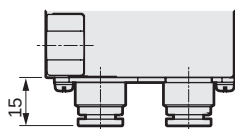


● Push-in fitting for valve block

● $\phi 8$ (C8)

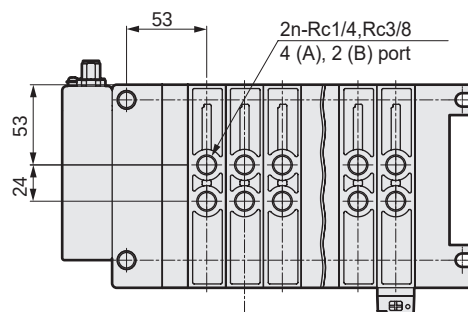
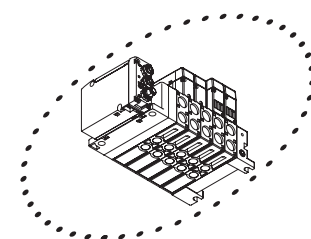
● $\phi 10$ (C10)

● $\phi 12$ (C12)



MW4GZ4 bottom piping

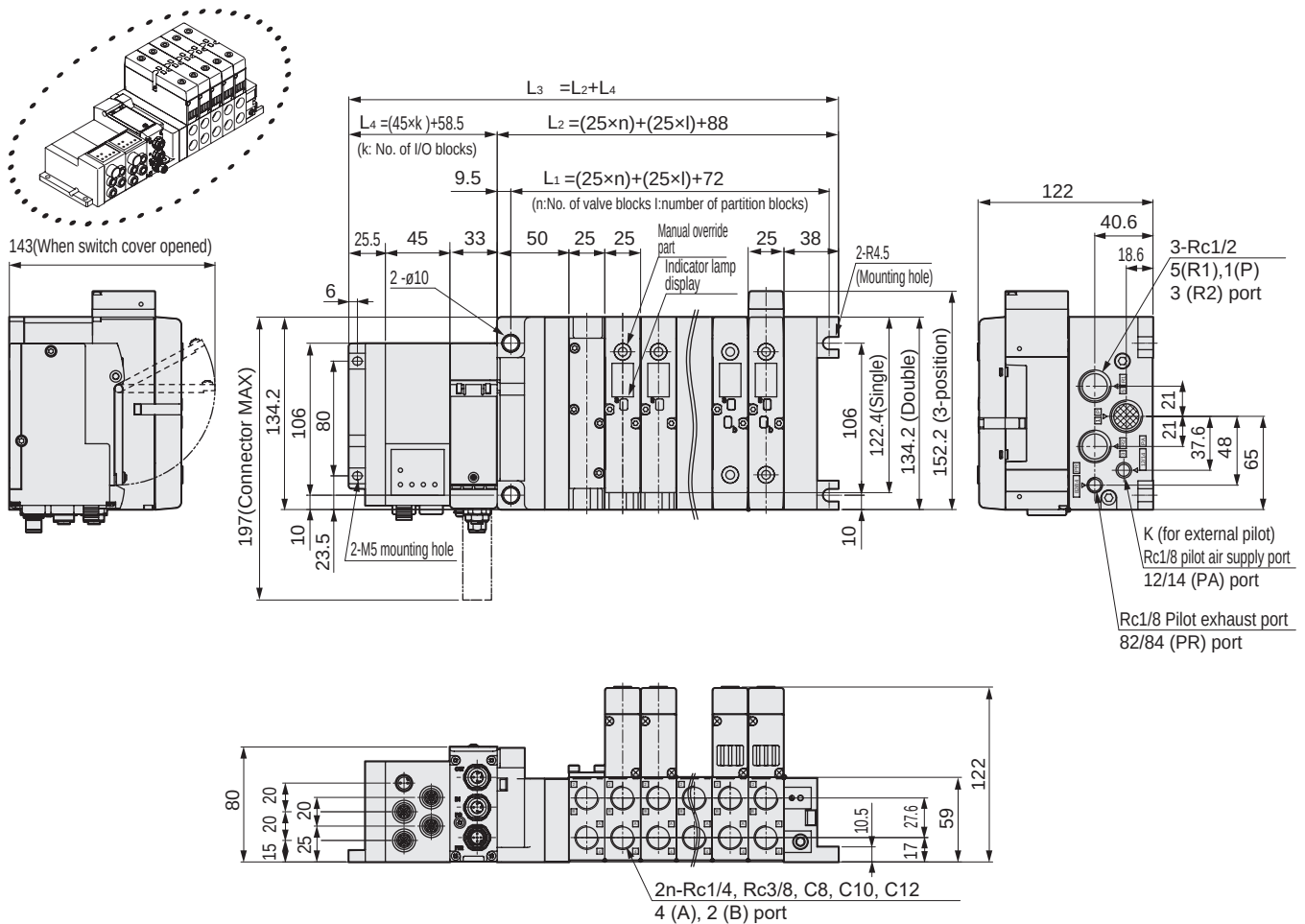
● Serial transmission EtherCAT (T7EC**) Left-sided spec.



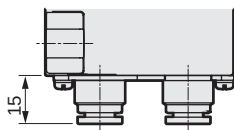
Dimensions

MW4GB4 Side piping

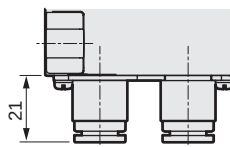
- Serial transmission (T7/B) with I/O type



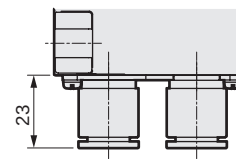
- Push-in fitting for valve block
- ø8(C8)



- ø10 (C10)

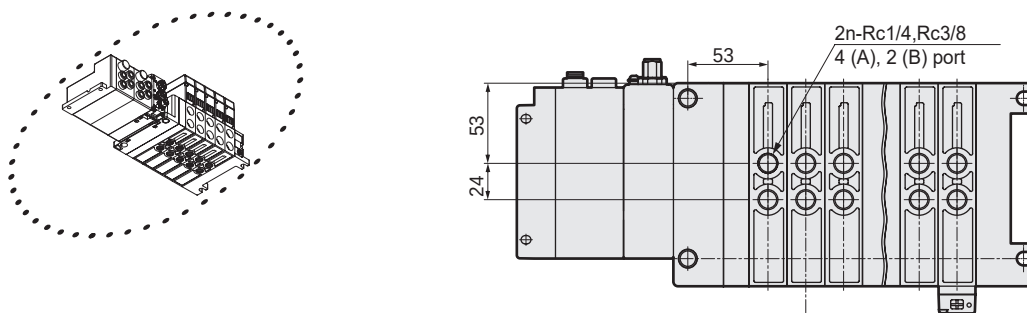


- ø12(C12)



MW4GZ4 bottom piping

- Serial transmission EtherCAT (T7EC*B*) Left-sided spec.



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

MW4G^B_Z4 Series

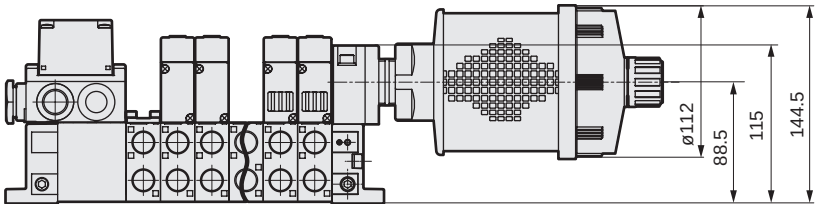
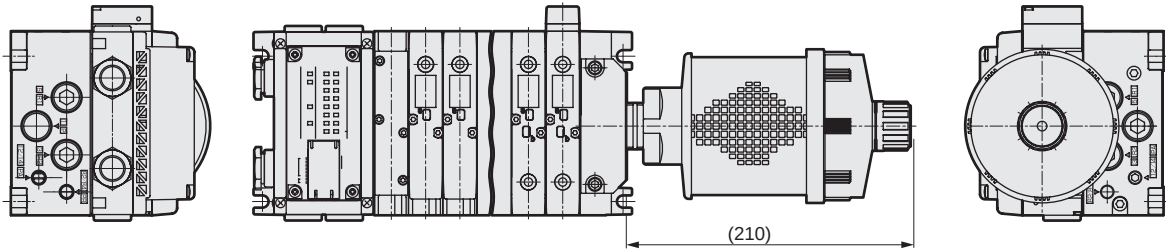
Reduced wiring manifold; base side piping/base bottom piping

Dimensions

Common exhaust block/with exhaust cleaner

ECR

● Common exhaust block with exhaust cleaner Right



ECL

● Common exhaust block with exhaust cleaner Left

