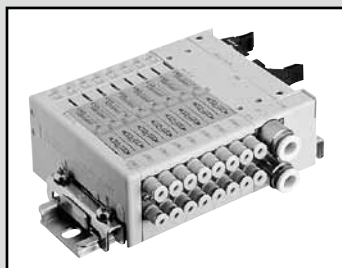


Reduced wiring block
manifold pilot operated 3, 4-port valve



MN3E00/MN4E00 Series



Common specifications

Descriptions	Content
Manifold method	Block manifold
Manifold	Common supply/exhaust Exhaust check valve built-in *1
Working fluid	Compressed air
Valve and operation	Pilot operated soft spool valve
Max. working pressure MPa	0.7 (≈100 psi, 7 bar)
Min. working pressure MPa	0.2 (≈29 psi, 2 bar)
Proof pressure MPa	1.05 (≈150 psi, 10.5 bar)
Ambient temperature °C	5 (41°F) to 55 (131°F)
Fluid temperature °C	5 (41°F) to 55 (131°F)
Lubrication	Not required *2
Degree of protection	Dust-proof
Vibration resistance m/s ²	50 or less
Shock resistance m/s ²	300 or less
Atmosphere	Cannot be used in corrosive gas environments
Manual override	Locking/non-locking common type or non-locking

*1: Check valve block back pressure from adjacent pneumatic devices, etc. However, the structure does not permit continuous pressure holding, so do not use for purposes other than blocking back pressure.

Individual specifications

Item	Port	3-port valve		4-port valve		Two 3-port valves integrated *2	
		A/B Port	P/R port	External pilot port	Response time	*1	ms
Port size		φ1.8, φ3, φ4 Push-in fitting, M3					
		φ6, φ8 Push-in fitting					
		φ6 Push-in fitting					
		2 position	Single	20 or less	20 or less	20 or less	-
		Double	20 or less	20 or less	20 or less	-	-

*1: The response time is the value at 0.5 MPa supply pressure, with no lubrication.

*2: The type with two 3-port valves integrated uses main pressure to operate the valving element, and therefore cannot be used with external pilot.

Check for sufficient supply air flow that the supply pressure does not drop below the min. working pressure due to the operation of the connected load (air operated valve), etc.

Flow characteristics

		P → A/B		A/B → R	
		C [dm ³ /(s·bar)]	b	C [dm ³ /(s·bar)]	b
		3-port valve	2-position	0.30	0.20
4-port valve	2-position	0.30	0.20	0.32	0.24
Two 3-port valves integrated	2-position	0.30	0.20	0.32	0.24

*1: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$. *2: Value for φ4 push-in fitting

Weight

Wiring block (g)		D sub-connector	Flat cable connector	Intermediate wiring block			Serial transmission	
		T30	T5*	TM1A	TM1C	TM52	T6*	T7*
4F*0EX		67	59	32	32	34	205	128
Supply and exhaust block (g)	Fitting Lateral	Q/QZ	QK	QKZ			QX	QKX
	Fitting Upward	64	69	79	98	62	56	61
Valve block (g)		2-position single	2-position double	Two 3-port valves integrated				
	Fitting Lateral	31.5	35.0	35.0				
	Fitting Upward	37.5	41.0	41.0				
Dummy block (g)		MPS/MPD						
		20						
Regulator block (g) *1		-						
		124						
End block (g)		ER/EL						
		40						
DIN rail (g)		-						
		0.19 g/mm						

*1: The values may differ slightly based on the regulator block specifications.

4GA/B

M4GA/B

MN4GA/B

4GA/B (mastr)

4GD/E

M4GD/E

MN4GD/E

4GA/B/4

MN3E
MN4E

W4GA/B2

W4GB4

4TB

4L2-4/
LMF0

MN3S0
MN4S0

4SA/B0

4KA/B

4KA/B (mastr)

4F

4F (mastr)

PV5G
GMF

PV5
GMF

PV5S-0

3QR
3QB

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP/
NVP

4F*0E

4F*0E

HMV
HSV

2QV
3QV

SKH

PCD

Silencer

TotAirSys
(Total Air)

TotAirSys
(Gamma)

Ending

Max. number of stations energized by manifold

Descriptions		Content	Double solenoid (double wiring)	Single solenoid	Mix manifold (solenoid number of points)
D sub-connector (25-pin)	T30	D sub-connector Left-sided spec.	12 stations	24 stations	24 points
	T30R	D sub-connector Right-sided spec.	12 stations	24 stations	24 points
Flat cable connector	T50	20-pin flat cable connector Left-sided spec. (with power supply terminal)	8 stations	16 stations	16 points
	T50R	20-pin flat cable connector Right-sided spec. (with power supply terminal)	8 stations	16 stations	16 points
	T51	20-pin flat cable connector Left-sided spec. (without power supply terminal)	9 stations	18 stations	18 points
	T51R	20-pin flat cable connector Right-sided spec. (without power supply terminal)	9 stations	18 stations	18 points
	T52	10-pin flat cable connector Left-sided spec. (without power supply terminal)	4 stations	8 stations	8 points
	T52R	10-pin flat cable connector Right-sided spec. (without power supply terminal)	4 stations	8 stations	8 points
	T53	26-pin flat cable connector Left-sided spec. (without power supply terminal)	12 stations	24 stations	24 points
	T53R	26-pin flat cable connector Right-sided spec. (without power supply terminal)	12 stations	24 stations	24 points
Intermediate wiring block	TM1A	RITS connector 6P x 2 *1	5 stations	10 stations	10 points
	TM1C	RITS connector 6P *1	2 stations	5 stations	5 points
	TM52	10-pin flat cable connector	4 stations	8 stations	8 points
Serial transmission (with dedicated unit)	T6A0	UNIWIRESYSTEM 8 points	4 stations	8 stations	8 points
	T6A1	UNIWIRESYSTEM 16 points	8 stations	16 stations	16 points
	T6C0	CompoBus/S 8 points	4 stations	8 stations	8 points
	T6C1	CompoBus/S 16 points	8 stations	16 stations	16 points
	T6E0	S-LINK 8 points	4 stations	8 stations	8 points
	T6E1	S-LINK 16 points	8 stations	16 stations	16 points
	T6J0	UNIWIRESYSTEM H SYSTEM 8 points	4 stations	8 stations	8 points
	T6J1	UNIWIRESYSTEM H SYSTEM 16 points	8 stations	16 stations	16 points
Serial transmission (close contact)	T7D1	DeviceNet 16 points	8 stations	16 stations	16 points
	T7D2	DeviceNet 32 points	16 stations	32 stations	32 points
	T7G1	CC-Link 16 points	8 stations	16 stations	16 points
	T7G2	CC-Link 32 points	16 stations	32 stations	32 points
	T7N1	S-LINK V 16 points	8 stations	16 stations	16 points
	T7N2	S-LINK V 32 points	16 stations	32 stations	32 points

*1: RITS connector 6P (1473562-6) Tyco Electronics Japan G.K.

Slave unit specifications

Descriptions		T6C1 T6C0	T6G1 *1	T6A1 T6A0	T6J1 T6J0	T6E1 T6E0	T7D1 *2 T7D2	T7G1 *1 T7G2	T7N1 T7N2
Power supply voltage	Unit side	24 VDC ±10%			24 VDC ±10%		24 VDC ±10%		
	Valve side	24 VDC +10% -5%			24 VDC +10% -5%		24 VDC +10% -5%		
	Comm side	-			-		11 to 25 VDC	-	
Current consumption	Unit side	T6C1: 60 mA or less T6C0: 40 mA or less (When all points output ON)	100 mA or less (When all points output ON)	100 mA or less (When all points output ON) Note that current consumption of valve is not included.	60 mA or less (When all points output ON) Note that current consumption of valve is not included.	T7D1: 60 mA or less T7D2: 85 mA or less (When all points output ON)	T7G1: 65 mA or less T7G2: 90 mA or less (When all points output ON)	T7N1: 40 mA or less T7N2: 50 mA or less (When all points output ON)	
	Valve side	15 mA or less (when all points are OFF)							
	Comm side	-			-		50 mA or less	-	
Output points	T6C1: 16 points T6C0: 8 points	16 points	T6A1: 16 points T6A0: 8 points	T6J1: 16 points T6J0: 8 points	T6E1: 16 points T6E0: 8 points	T7D1: 16 points T7D2: 32 points	T7G1: 16 points T7G2: 32 points	T7N1: 16 points T7N2: 32 points	
Occupied number	T6C1: 2 node address (8-point mode) T6C0: 1 node address (in 8-point mode)	1 station	T6A1: 16 output points T6A0: 8 output points	T6J1: 16 output points T6J0: 8 output points	T6E1:FAN-in:3 T6E0:FAN-in:3 *3	T7D1: 2 bytes T7D2: 4 bytes	T7G1: 1 station T7G2: 1 station	T7N1: output 16 points T7N2: output 32 points	

*1: CC-Link is Ver. 1.10.

*2: Contact CKD for information on the EDS file. (EDS file: A text file of parameters for communication with various companies' master units)

*3: FAN-in indicates the input capacity from D-G line. (It is necessary to calculate the number of units to be connected.)

Ozone specifications

Ozone-proof specifications are available as standard.

Clean-room specifications (Catalog No. CB-033SA)

● Anti-dust generation structure for use in cleanrooms

** - Voltage - **P70**

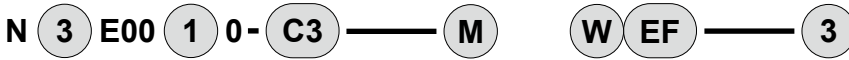
4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
4TB
4L2-4/
LMFO
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G
GMF
PV5
GMF
PV5S-0
3QR
3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/
NVP
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD
Silencer
TotAirSys (Total Air)
TotAirSys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

MN3E00/MN4E00 Series

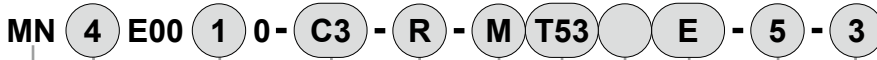
How to order manifold D sub/flat cable connector

* Refer to page 778 for serial transmission.

● Discrete valve block



● Block manifold



DIN rail mount

C Port size **E** Manual override **H** Option **J** Voltage
D Adjustment function **F** Wiring method **G** Terminal/connector pin array **I** Station No.

Type	
Block manifold	Discrete valve block

* Be sure to fill in the "Manifold specifications sheet" (page 855).

Code	Content		
A Valve			
3	3-port valve or two 3-port valves integrated	●	●
4	4-port valve or 3, 4-port valve mix	●	●
B Solenoid position (*8)			
1	Single NC self-reset	(Differential pressure spring return)	●
11	Single NO self-reset		●
2	Double NC self-hold		●
21	Double NO self-hold		●
66	A side valve: NC self-reset	(Differential pressure return)	●
66S	B side valve: NC self-reset	(Differential pressure spring return)	●
67	A side valve: NC self-reset	(Differential pressure return)	●
67S	B side valve: NO self-reset	(Differential pressure spring return)	●
76	A side valve: NO self-reset	(Differential pressure return)	●
76S	B side valve: NC self-reset	(Differential pressure spring return)	●
77	A side valve: NO self-reset	(Differential pressure return)	●
77S	B side valve: NO self-reset	(Differential pressure spring return)	●
1	2-position single self-reset	(Differential pressure spring return)	●
2	2-position double self-hold		●
8	Mix manifold		●
C Port size			
C18	φ1.8 push-in fitting lateral (compatible tube UP-9402-**)	●	●
CL18	φ1.8 push-in fitting upward (compatible tube UP-9402-**)	●	●
C3	φ3 push-in fitting lateral	●	●
CL3	φ3 push-in fitting upward	●	●
C4	φ4 push-in fitting lateral	●	●
CL4	φ4 push-in fitting upward	●	●
M3	M3 female thread (with rotation-stop)	●	●
CX	Mix push-in fitting	●	
D Adjustment function			
Blank	Without regulator block	●	
R	Regulator block equipped manifold (*2, *3)	●	
E Manual override			
Blank	Non-locking/locking common type (with manual cover)	●	●
M	Manual override for non-locking (with manual cover)	●	●
F Wiring method			
Refer to the following page for the wiring method.		●	
G Terminal/connector pin array			
Blank	Standard wiring	●	●
W	Double wiring (*4, *5)	●	●
H Option			
Blank	None	●	●
E	Low exoergic/energy saving circuit type (*6, *7)	●	●
F	A/B port filter integrated (*8)	●	●
I Station No. (*11)			
1	1 station	●	
to	to		
24	24 stations (*9)		
J Voltage			
3	24 VDC	●	●
4	12 VDC	●	●

A Valve

B Solenoid position

For model No. of the cable with D sub-connector, refer to page 833.

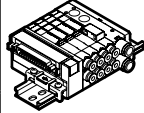
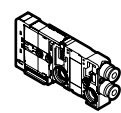
⚠ Precautions for model No. selection

- *1 : The type with two 3-port valves integrated cannot be used with the external pilot. Consult with CKD for other working conditions.
- *2 : The type with two 3-port valves integrated resets the main valve with the main pressure, so if there is a difference between the pilot pressure and main pressure, the response time may be delayed.
- *3 : Check that the main pressure supplied to the valve block with two 3-port valves integrated is not higher than the pilot pressure, and that the main pressure does not drop below 0.2 MPa.
- *4 : Refer to the connector pin layout (example) on pages 832 to 839 for the double wiring specifications. When ordering individual valve blocks, the double wiring designation is limited to the 2-position single solenoid for the 3-port valve and to the 2-position single solenoid for the 4-port valve.
- *5 : Double wiring is not available for discrete individual wiring valve block.
- *6 : Energizing is limited to the plus common.
- *7 : Individual wiring is not available for low exoergic/energy-saving circuit type.
- *8 : A filter (for preventing entry of foreign matter) is incorporated in the supply and exhaust block's P port.
- *9 : Differs depending on the specifications. Refer to page 773.
- *10 : For specifications of the self-reset, refer to the precautions on page 857. To include a dummy block, select mix manifold.
- *11 : A dummy block is counted in the station No.

MN3E00/MN4E00 Series

Reduced wiring block manifold

[Wiring method list]

Type	
Block manifold	Discrete valve block
	

Code	Content			
F Wiring method				
T30	25-pin D sub-connector Left-sided spec.	●		
T30R	25-pin D sub-connector Right-sided spec.	●		
T50	20-pin flat cable connector Left-sided spec. (with power supply terminal) *12	●		
T50R	20-pin flat cable connector Right-sided spec. (with power supply terminal) *12	●		
T51	20-pin flat cable connector Left-sided spec.	●		
T51R	20-pin flat cable connector Right-sided spec.	●		
T52	10-pin flat cable connector Left-sided spec.	●		
T52R	10-pin flat cable connector Right-sided spec.	●		
T53	26-pin flat cable connector Left-sided spec.	●		
T53R	26-pin flat cable connector Right-sided spec.	●		
TM1A	Intermediate wiring block RITS connector 6P x 2 *13	●		
TM1C	Intermediate wiring block RITS connector 6P *13	●		
TM52	Intermediate wiring block 10-pin flat cable connector	●		
TX	Wiring block mix *14, 15	●		
Blank	Valve block for reduced wiring		●	
D2	Individual wiring D type connector 300 mm	●	●	
D20		D type connector 500 mm	●	●
D21		D type connector 1000 mm	●	●
D22		D type connector 2000 mm	●	●
D23		D type connector 3000 mm	●	●
D2N		D type connector without socket	●	●
D3		D type connector with socket/terminal	●	●

*12: T50 and T50R with power supply terminal can be combined only with T50R and T50 respectively.

*13: RITS connector 6P (1473562-6) Tyco Electronics Japan G.K.

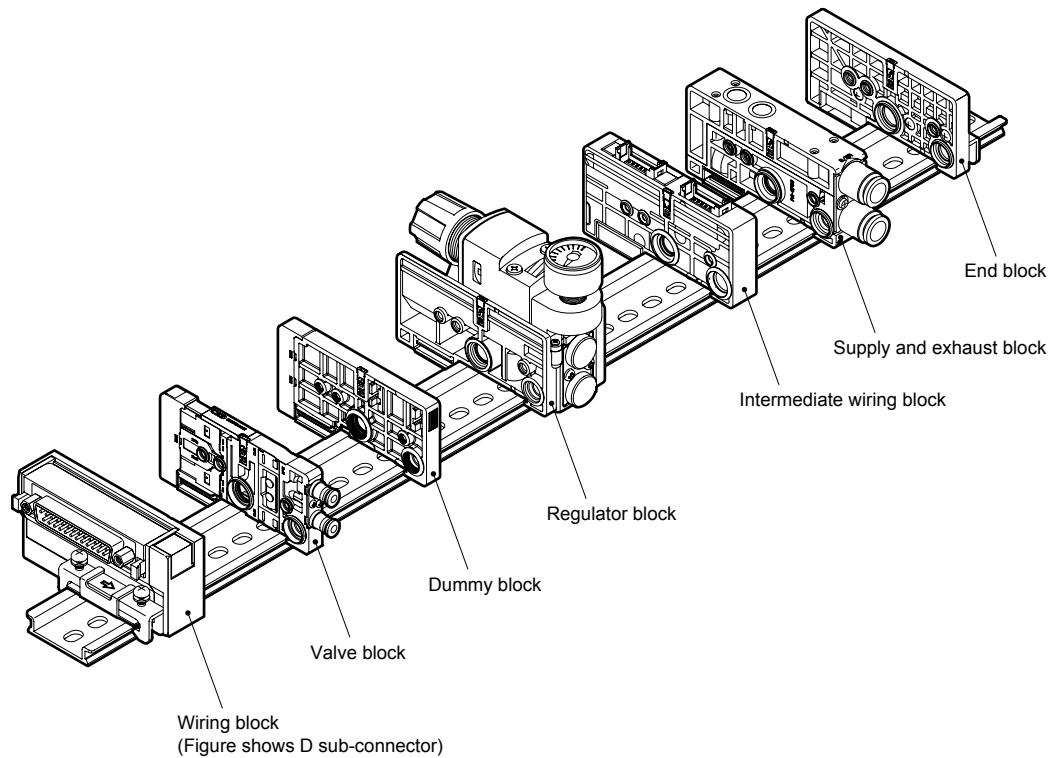
*14: Request 2 pcs in the manifold specifications sheet. Contact CKD for 3 pcs. or more.

*15: Individual wiring is not available for the TX wiring method.

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

MN3E00/MN4E00 Series

Manifold components explanation and parts list



Example of main component model No. (Refer to pages 822 to 831 for details)

Part name	Model No. (example)	Part name	Model No. (example)
Wiring block	N4E0-T30	Supply and exhaust block	N4E0-Q-8
Valve block	N4E0020-C3-3	End block	N4E0-ER
Dummy block	N4E0-MPD		
Regulator block	N4E0-RA-RL		

Related parts list

Part name	Model No. (example)	Part name	Model No. (example)
Cartridge push-in fitting and related parts	N4E00-JOINT-C18	Cartridge push-in fitting and related parts	N4E00-JOINT-CPG
	N4E00-JOINT-C3		
	N4E00-JOINT-C4		
	N4E00-JOINT-CL18		
	N4E00-JOINT-CL3		
	N4E00-JOINT-CL4		

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

MEMO

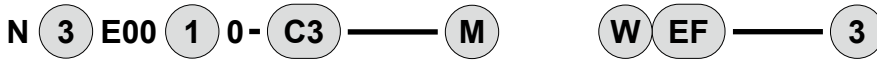
4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E MN4E
W4GA/B2
W4GB4
4TB
4L2-4/ LMF0
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G GMF
PV5 GMF
PV5S-0
3QR 3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/ NVP
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
PCD
Silencer
TotAirSys (Total Air)
TotAirSys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

MN3E00/MN4E00 Series

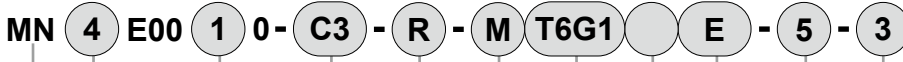
How to order manifold Serial transmission

* Refer to page 774 for details on D sub-connector/flat cable connector.

● Discrete valve block

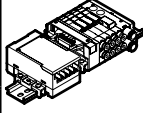
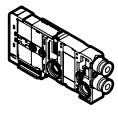


● Block manifold



DIN rail
Mounting
method

C Port size **E** Manual override **H** Option **J** Voltage
D Adjustment function **F** Wiring method **I** Station No.
(serial transmission) **G** Terminal/connector pin array

Type	
Block manifold	Discrete valve block
	

* Be sure to fill in the "Manifold specifications sheet" (page 855).

Code	Content			
A Valve				
3	3-port valve or two 3-port valves integrated		●	●
4	4-port valve or 3, 4-port valve mix		●	●
B Solenoid position (*8)				
1	1 3-port valve	Single NC self-reset	(Differential pressure spring return)	●
11		Single NO self-reset		●
2	2 3-port valve	Double NC self-hold		●
21		Double NO self-hold		●
66	Two 3-port valves integrated *1	A side valve: NC self-reset	(Differential pressure return)	●
66S		B side valve: NC self-reset	(Differential pressure spring return)	●
67		A side valve: NC self-reset	(Differential pressure return)	●
67S		B side valve: NO self-reset	(Differential pressure spring return)	●
76		A side valve: NO self-reset	(Differential pressure return)	●
76S		B side valve: NC self-reset	(Differential pressure spring return)	●
77		A side valve: NO self-reset	(Differential pressure return)	●
77S		B side valve: NO self-reset	(Differential pressure spring return)	●
1	4-port valve	2-position single self-reset	(Differential pressure spring return)	●
2		2-position double self-hold		●
8	Mix manifold			●
C Port size				
C18	φ1.8 push-in fitting lateral (compatible tube UP-9402-**)		●	●
CL18	φ1.8 push-in fitting upward (compatible tube UP-9402-**)		●	●
C3	φ3 push-in fitting lateral		●	●
CL3	φ3 push-in fitting upward		●	●
C4	φ4 push-in fitting lateral		●	●
CL4	φ4 push-in fitting upward		●	●
M3	M3 female thread (with rotation-stop)		●	●
CX	Mix push-in fitting		●	
D Adjustment function				
Blank	Without regulator block		●	
R	Regulator block equipped manifold (*2, 3)		●	
E Manual override				
Blank	Non-locking/locking common (with manual cover)		●	●
M	Manual override for non-locking (with manual cover)		●	●
F Wiring method				
Refer to the following page for the wiring method.			●	
G Terminal/connector pin array				
Blank	Standard wiring		●	●
W	Double wiring (*4, 5)		●	●
H Option				
Blank	None		●	●
E	Low exoergic/energy saving circuit (*6,7)		●	●
F	A/B port filter integrated (*8)		●	●
I Station No. (*12)				
1	1 station			
to	to		●	
32	32 stations (*9)			
J Voltage				
3	24 VDC		●	●

⚠ Precautions for model No. selection

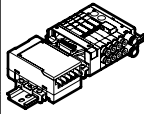
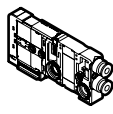
- *1 : The type with two 3-port valves integrated cannot be used with the external pilot. Consult with CKD for other working conditions.
- *2 : The type with two 3-port valves integrated resets the main valve with the main pressure, so if there is a difference between the pilot pressure and main pressure, the response time may be delayed.
- *3 : Check that the main pressure supplied to the valve block with two 3-port valves integrated is not higher than the pilot pressure, and that the main pressure does not drop below 0.2 MPa.
- *4 : Check the connector pin layout (example given on pages 842 to 846 for the double wiring specifications. When ordering individual valve blocks, the double wiring designation is limited to the 2-position single solenoid for the 3-port valve and to the 2-position single solenoid for the 4-port valve.
- *5 : Double wiring is not available for discrete individual wiring valve block.
- *6 : Energizing is limited to the plus common.
- *7 : Individual wiring is not available for low exoergic/energy-saving circuit.
- *8 : A filter (for preventing entry of foreign matter) is incorporated in the supply and exhaust block's P port.
- *9 : Differs depending on the specifications. Refer to page 773.
- *10 : For specifications of the self-reset, refer to the precautions on page 857. To include a dummy block, select mix manifold.
- *11 : Check the delivery date for T7N2 (S-LINK V 32 output points).
- *12 : A dummy block is counted in the station No.

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

MN3E00/MN4E00 Series

Reduced wiring block manifold

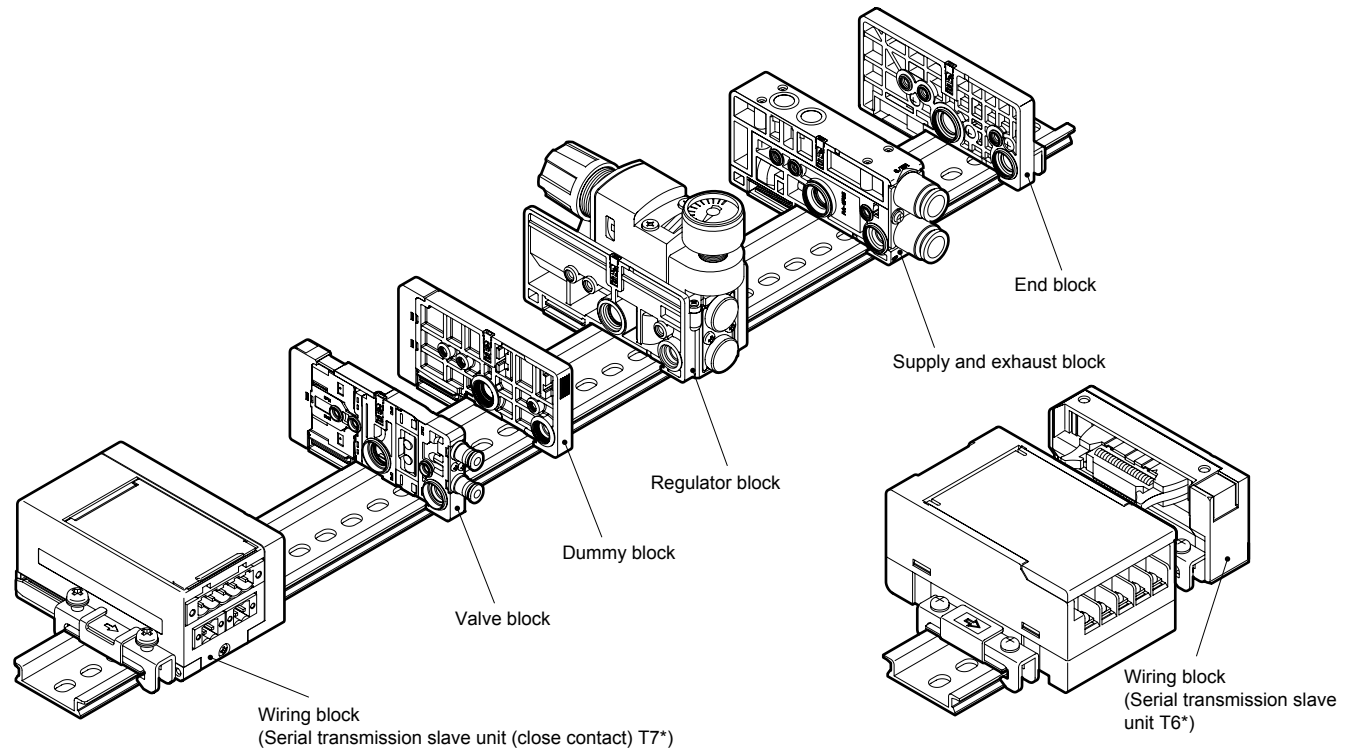
[Wiring method list]

Code	Content	Type		
		Block manifold	Discrete valve block	
				
F Wiring method				
T6A0	UNIWIRESYSTEM 8 points	●		
T6A1	UNIWIRESYSTEM 16 points	●		
T6C0	CompoBus/S 8 points	●		
T6C1	CompoBus/S 16 points	●		
T6E0	S-LINK 8 points	●		
T6E1	S-LINK 16 points	●		
T6J0	UNIWIRESYSTEM H 8 points	●		
T6J1	UNIWIRESYSTEM H 16 points	●		
T6G1	CC-Link 16 points	●		
T7D1	Close contact DeviceNet 16 points	●		
T7D2	Close contact DeviceNet 32 points	●		
T7G1	Close contact CC-Link 16 points	●		
T7G2	Close contact CC-Link 32 points	●		
T7N1	Close contact S-LINK V 16 points	●		
T7N2	Close contact S-LINK V 32 points (*11)	●		
Blank	Valve block for reduced wiring		●	
D2	Individual wiring D type connector 300 mm	●	●	
D20		D type connector 500 mm	●	●
D21		D type connector 1000 mm	●	●
D22		D type connector 2000 mm	●	●
D23		D type connector 3000 mm	●	●
D2N		D type connector without socket	●	●
D3		D type connector with socket/terminal	●	●

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

MN3E00/MN4E00 Series

Manifold components explanation and parts list



Example of main component model No. (Refer to pages 822 to 831 for details)

Part name	Model No. (example)	Part name	Model No. (example)
Wiring block	N4E0-T7G2	Supply and exhaust block	N4E0-Q-8
Valve block	N4E0020-C3-3	End block	N4E0-ER
Dummy block	N4E0-MPD		
Regulator block	N4E0-RA-RL		

Related parts list

Part name	Model No. (example)	Part name	Model No. (example)
Cartridge push-in fitting and related parts	N4E00-JOINT-C18	Cartridge push-in fitting and related parts	N4E00-JOINT-CPG
	N4E00-JOINT-C3		
	N4E00-JOINT-C4		
	N4E00-JOINT-CL18		
	N4E00-JOINT-CL3		
	N4E00-JOINT-CL4		

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

MEMO

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

MN3E00 Series

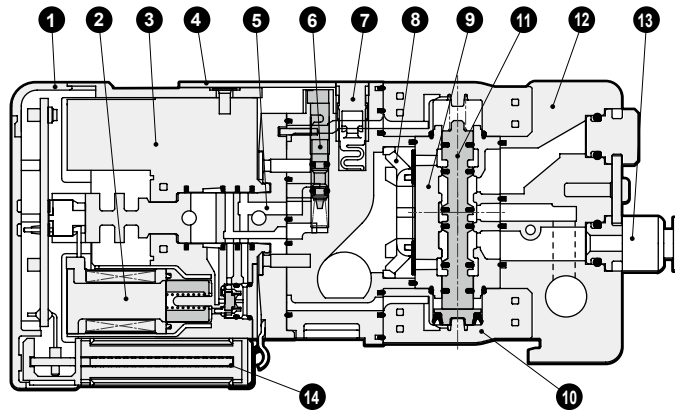
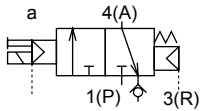
Internal structure and parts list

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

3-port valve

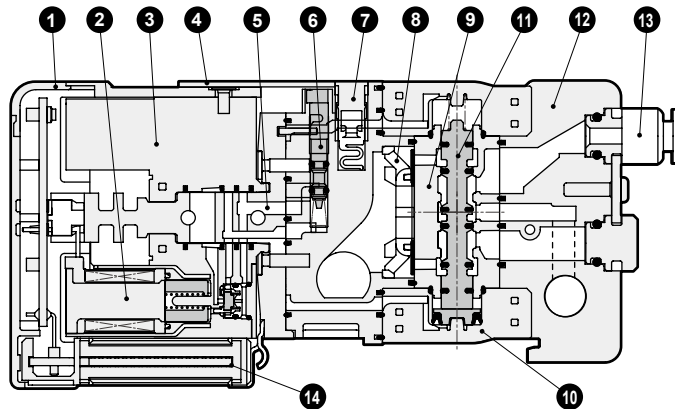
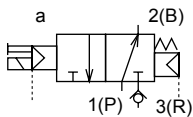
N3E0010

● 2-position single normally closed



N3E00110

● 2-position single normally open



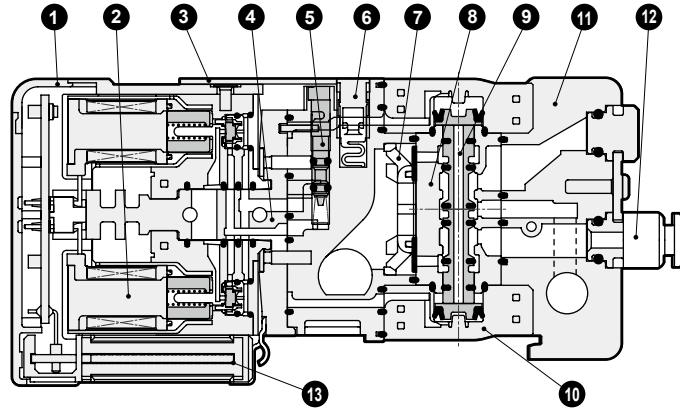
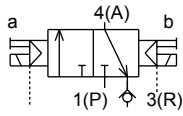
Main parts list

No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Check valve	PBT/TPU
2	Coil assembly	-	9	Body	ZDC
3	Coil dummy	PPS	10	Piston chamber assembly	PPS/POM
4	Manual cover	PBT	11	Spool assembly	AL
5	Pilot block assembly	PPS	12	Port block assembly	PA
6	Manual override	POM	13	Cartridge push-in fitting	-
7	Connection key	POM	14	Wiring connector assembly	LCP

Internal structure and parts list

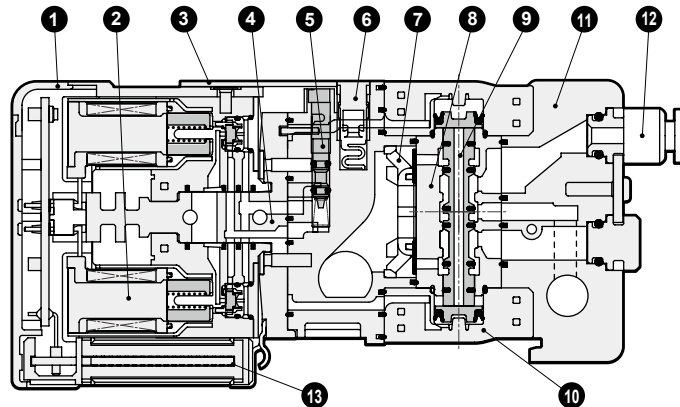
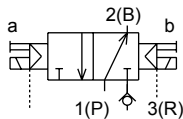
N3E0020

- 2-position double normally closed (self-hold)



N3E00210

- 2-position double normally open (self-hold)



Main parts list

No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Body	ZDC
2	Coil assembly	-	9	Piston chamber assembly	PPS/POM
3	Manual cover	PBT	10	Spool assembly	AL
4	Pilot block assembly	PPS	11	Port block assembly	PA
5	Manual override	POM	12	Cartridge push-in fitting	-
6	Connection key	POM	13	Wiring connector assembly	LCP
7	Check valve	PBT/TPU			

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

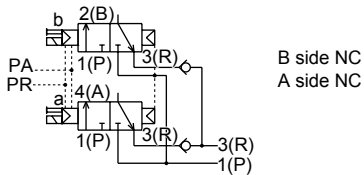
MN3E00 Series

Internal structure and parts list

Two 3-port valves integrated

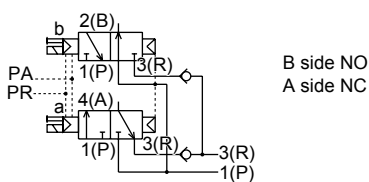
N3E00660

● NC/NC self-reset (differential pressure return)



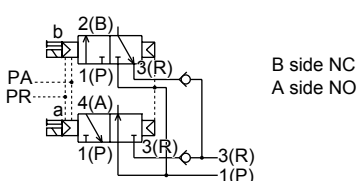
N3E00670

● NC/NO self-reset (differential pressure return)



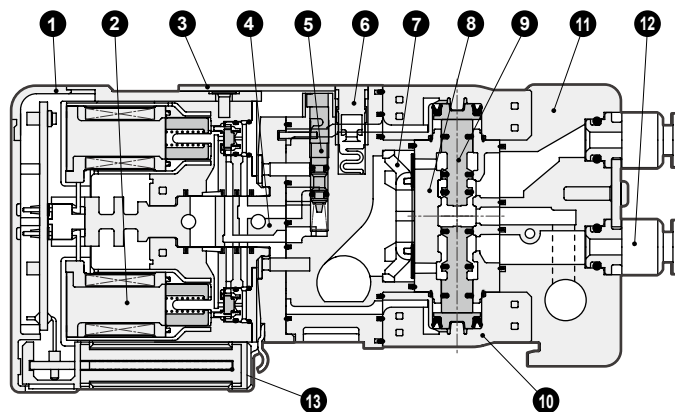
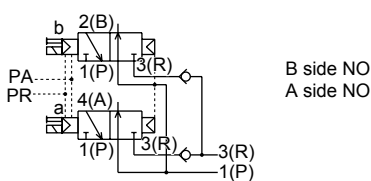
N3E00760

● NO/NC self-reset (differential pressure return)



N3E00770

● NO/NO self-reset (differential pressure return)



The figure shows an NC/NO self-reset (differential pressure return) with two 3-port valves integrated and both sides solenoid valves OFF.

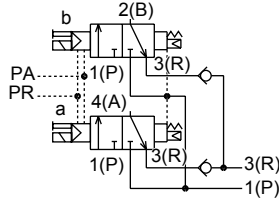
Main parts list

No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Body	ZDC
2	Coil assembly	-	9	Piston chamber assembly	PPS/POM
3	Manual cover	PBT	10	Spool assembly	AL
4	Pilot block assembly	PPS	11	Port block assembly	PA
5	Manual override	POM	12	Cartridge push-in fitting	-
6	Connection key	POM	13	Wiring connector assembly	LCP
7	Check valve	PBT/TPU			

Internal structure and parts list

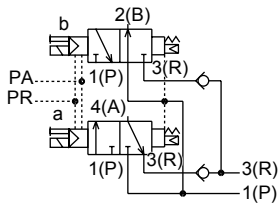
N3E0066S0

- NC/NC self-reset (differential pressure spring return)



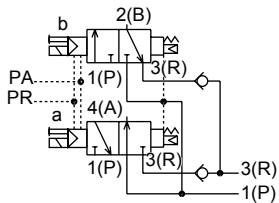
N3E0067S0

- NC/NO self-reset (differential pressure spring return)



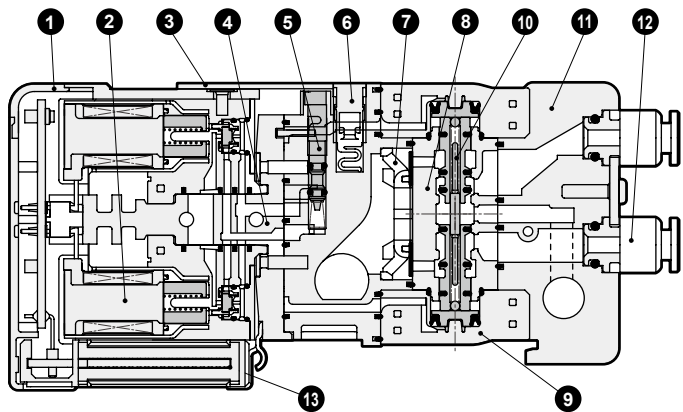
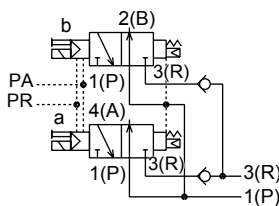
N3E0076S0

- NO/NC self-reset (differential pressure spring return)



N3E0077S0

- NO/NO self-reset (differential pressure spring return)



The figure shows an NC/NO self-reset (differential pressure spring return) with two 3-port valves integrated and both sides solenoid valves OFF.

Main parts list

No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Body	ZDC
2	Coil assembly	-	9	Piston chamber assembly	PPS/POM
3	Manual cover	PBT	10	Spool assembly	AL
4	Pilot block assembly	PPS	11	Port block assembly	PA
5	Manual override	POM	12	Cartridge push-in fitting	-
6	Connection key	POM	13	Wiring connector assembly	LCP
7	Check valve	PBT/TPU			

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

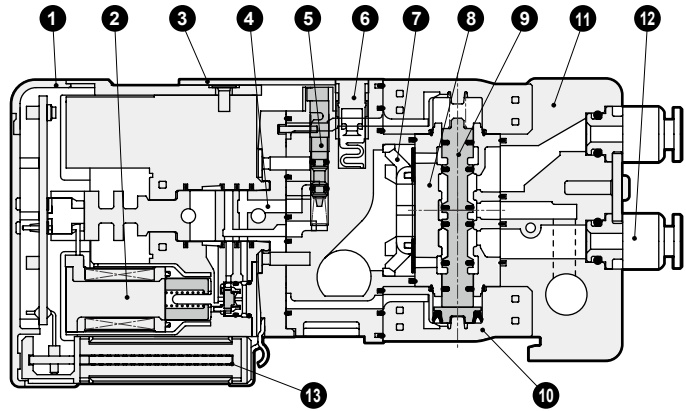
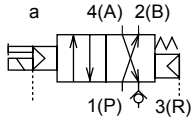
MN4E00 Series

Internal structure and parts list

4-port valve

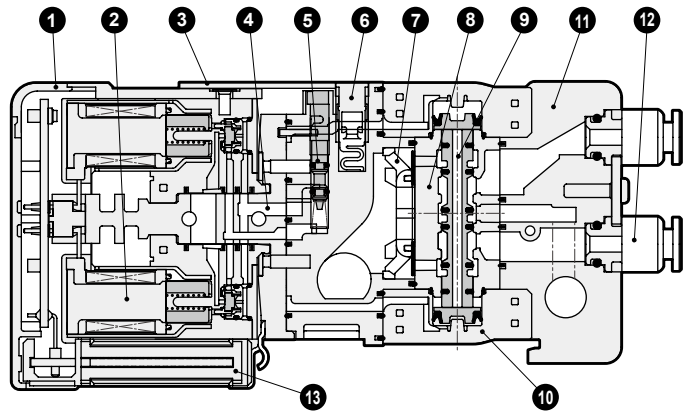
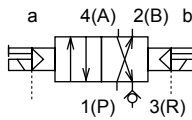
N4E0010

● 2-position single self-reset (differential pressure spring return)



N4E0020

● 2-position double self-hold



Main parts list

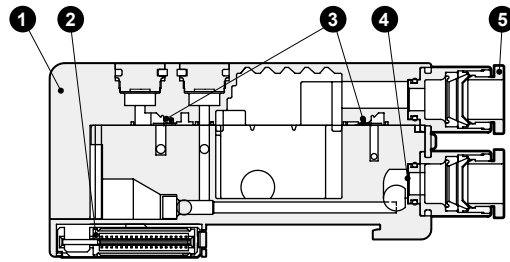
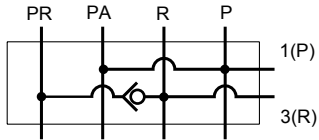
No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Body	ZDC
2	Coil assembly	-	9	Piston chamber assembly	PPS/POM
3	Manual cover	PBT	10	Spool assembly	AL
4	Pilot block assembly	PPS	11	Port block assembly	PA
5	Manual override	POM	12	Cartridge push-in fitting	-
6	Connection key	POM	13	Wiring connector assembly	LCP
7	Check valve	PBT/TPU			

Internal structure and parts list

Supply and exhaust block

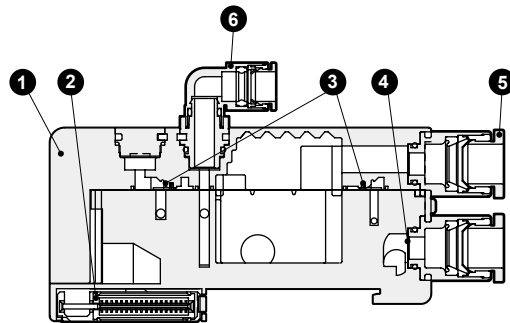
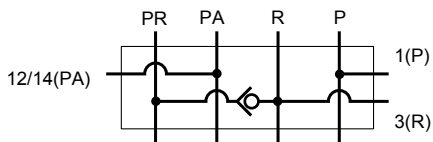
N4E0-Q

● For internal pilot



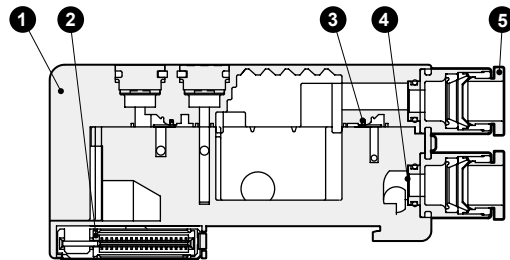
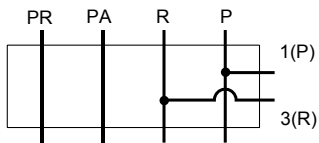
N4E0-QK

● For external pilot



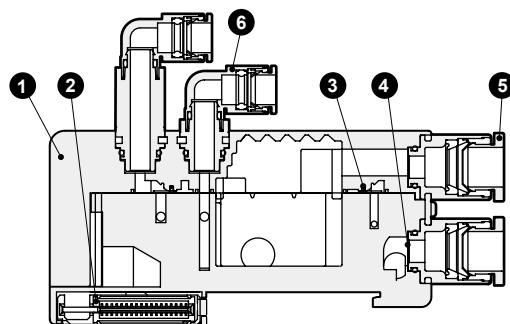
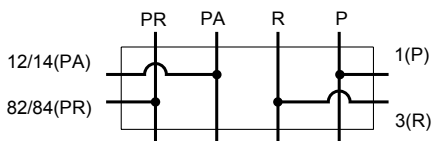
N4E0-QZ

● For multi-pressure circuit



N4E0-QKZ

● PA/PR separated for external pilot



Main parts list

No.	Part name	Main material
1	Supply and exhaust block	PA
2	Wiring connector assembly	LCP
3	Check valve	TPU
4	Air supply filter	SUS
5	Cartridge push-in fitting (main piping section)	-
6	Cartridge push-in fitting (external pilot piping section)	-

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

MN3E00/MN4E00 Series

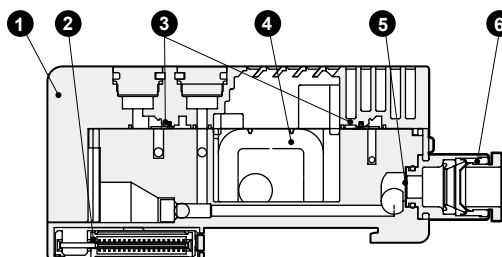
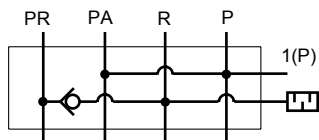
4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
4TB
4L2-4/
LMF0
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G
GMF
PV5
GMF
PV5S-0
3QR
3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/
NVP
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD
Silencer
TotAirSys
(Total Air)
TotAirSys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

Internal structure and parts list

Supply and exhaust block

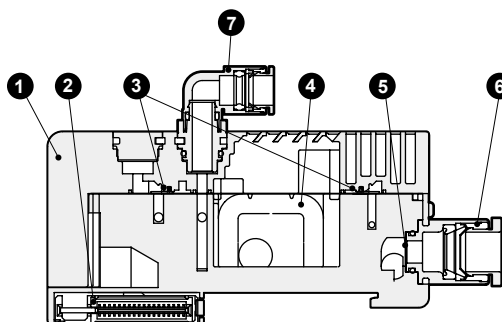
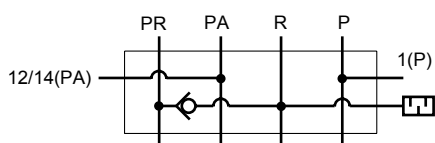
N4E0-QX

● Atmosphere release for internal pilot



N4E0-QKX

● Atmosphere release for external pilot



Main parts list

No.	Part name	Main material
1	Supply and exhaust block	PA
2	Wiring connector assembly	LCP
3	Check valve	TPU
4	Exhaust filter	-
5	Air supply filter	SUS
6	Cartridge push-in fitting (main piping section)	-
7	Cartridge push-in fitting (external pilot piping section)	-

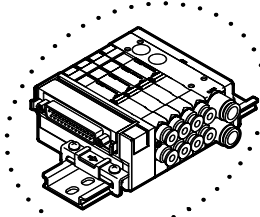
MN³₄E00-T30 Series

Reduced wiring block manifold D sub-connector

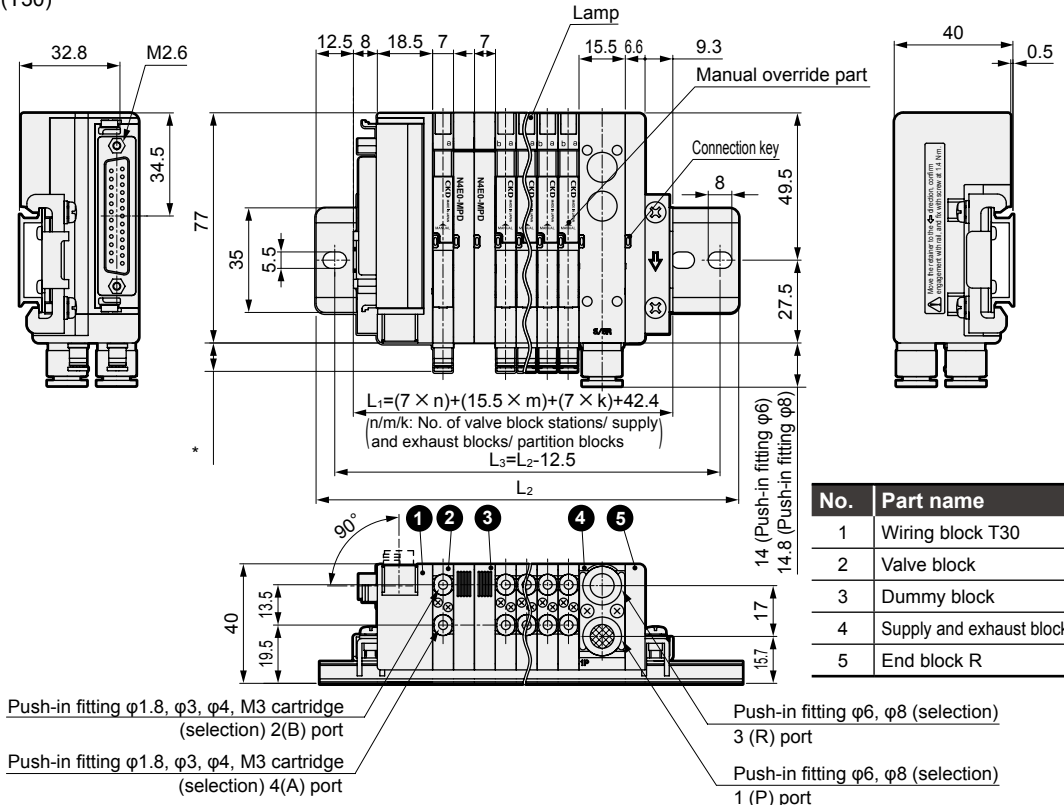
Dimensions

MN³₄E00*-*-T30*-*-*

● D sub-connector left side (T30)



* D sub-connector projection can be switched between upward and downward directions.
* For how to switch the connector direction, refer to page 795.



* Fitting dimensions

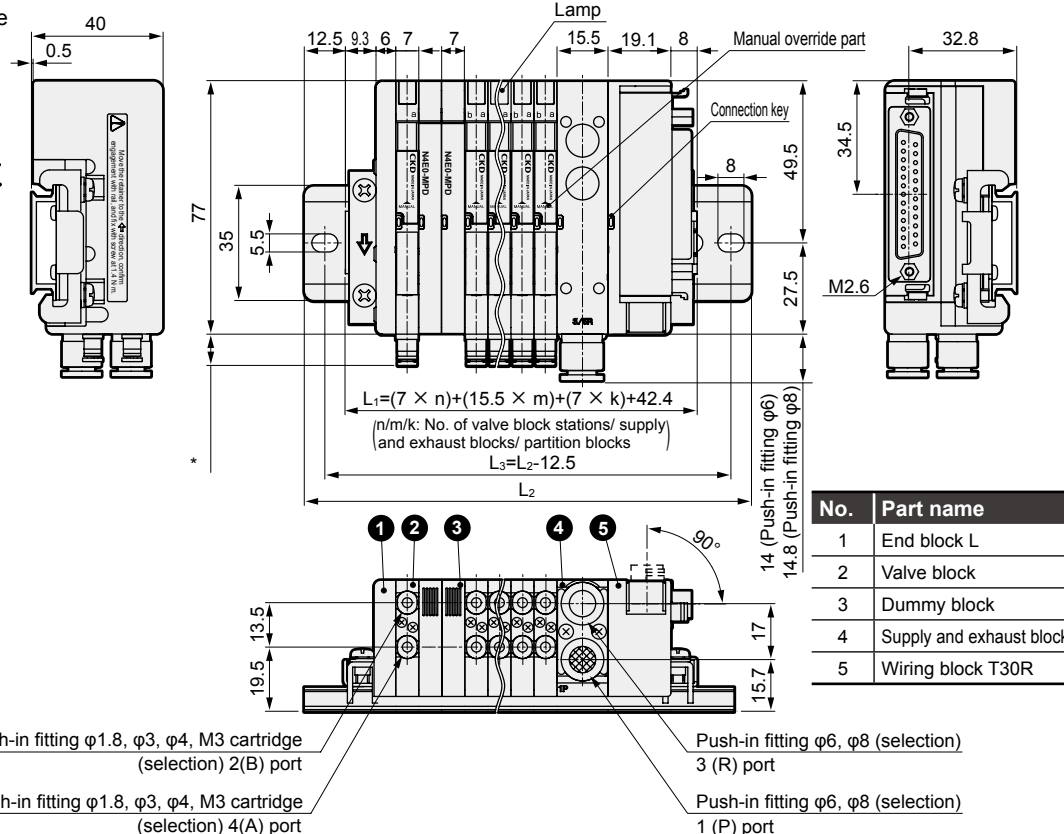
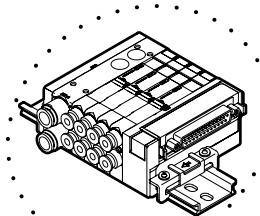
Fitting	Dimension (mm)
Push-in fitting φ1.8	6.8
φ3	9.5
φ4	11.9
M3 Female thread	6.1

No.	Part name
1	Wiring block T30
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block R

* For dimensions of the radial push-in fittings (upward) for valve block and for supply and exhaust block, refer to page 795.

MN³₄E00*-*-T30R*-*-*

● D sub-connector right side (T30R)



* Fitting dimensions

Fitting	Dimension (mm)
Push-in fitting φ1.8	6.8
φ3	9.5
φ4	11.9
M3 Female thread	6.1

No.	Part name
1	End block L
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	Wiring block T30R

Manifold length L1 mm	76.2 or less	88.7 or less	101.2 or less	113.7 or less	126.2 or less	138.7 or less	151.2 or less	163.7 or less	176.2 or less	188.7 or less	201.2 or less	213.7 or less	226.2 or less	238.7 or less	251.2 or less	263.7 or less	276.2 or less	288.7 or less	301.2 or less	313.7 or less	326.2 or less	338.7 or less	351.2 or less
Mounting rail length L2 mm	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

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

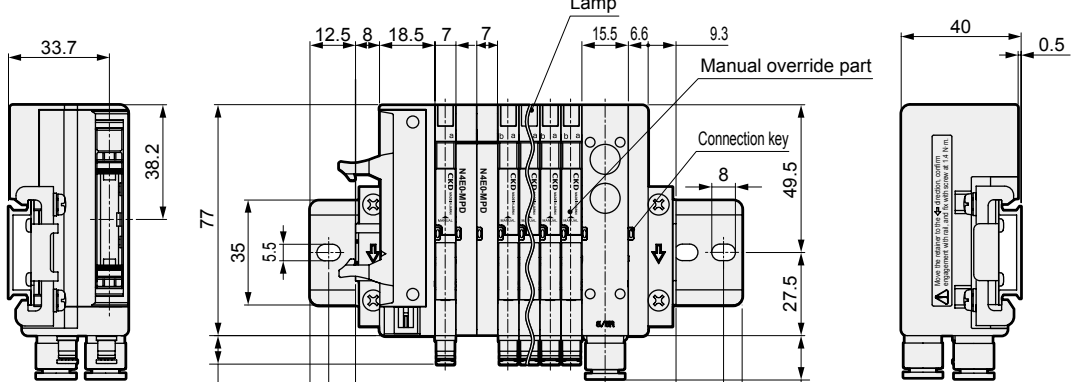
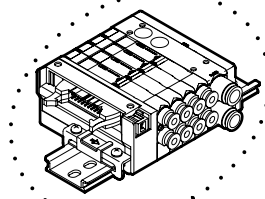
MN³₄E00-T50 Series

Dimensions

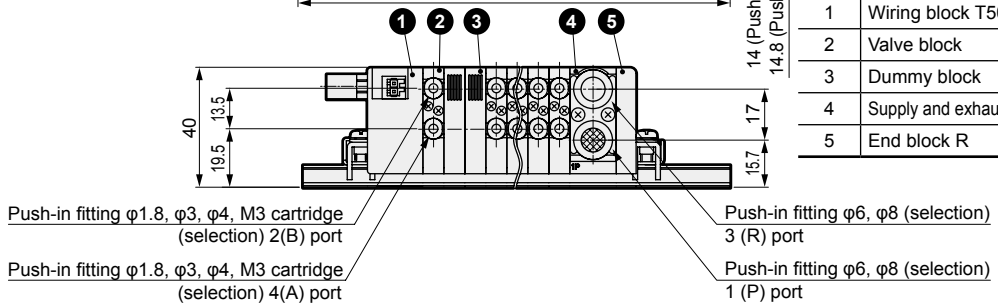
MN³₄E00*-*T50*-*

● Flat cable connector left side (T50)

* T51, T52 and T53 are also available. Dimensions are the same as T50. Refer to page 791 for dimensions of the connector.



* Fitting dimensions	
Push-in fitting φ1.8	6.8
φ3	9.5
φ4	11.9
M3 Female thread	6.1



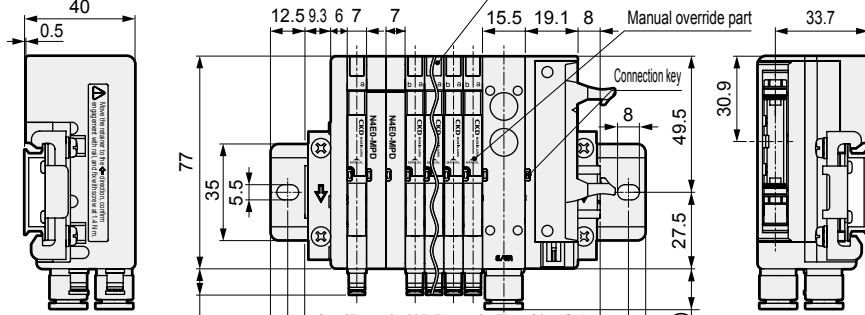
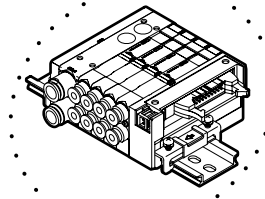
No.	Part name
1	Wiring block T50
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block R

* For dimensions of the radial push-in fittings (upward) for valve block and for supply and exhaust block, refer to page 795.

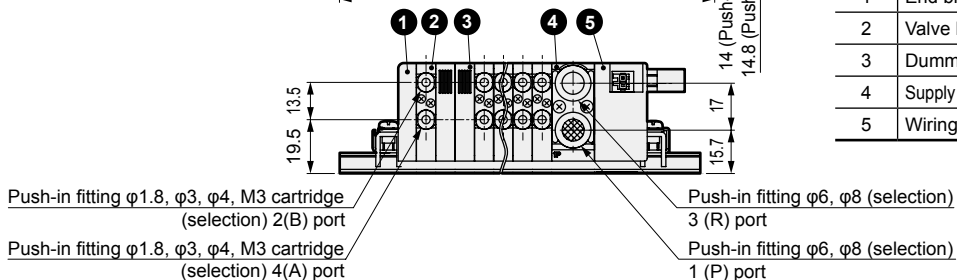
* A power feed connector can be used with T50 to supply power to the PLC output unit. Refer to page 795 on how to connect the connector, and to page 834 on how to wire and for the wiring precautions.

MN³₄E00*-*T50R*-*

● Flat cable connector right-side (T50R)



* Fitting dimensions	
Push-in fitting φ1.8	6.8
φ3	9.5
φ4	11.9
M3 Female thread	6.1



No.	Part name
1	End block L
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	Wiring block T50R

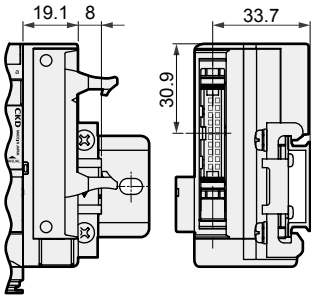
Manifold length L1 mm	76.2 or less	88.7 or less	101.2 or less	113.7 or less	126.2 or less	138.7 or less	151.2 or less	163.7 or less	176.2 or less	188.7 or less	201.2 or less	213.7 or less	226.2 or less	238.7 or less	251.2 or less	263.7 or less	276.2 or less	288.7 or less	301.2 or less	313.7 or less	326.2 or less	338.7 or less	351.2 or less
Mounting rail length L2 mm	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

Dimensions

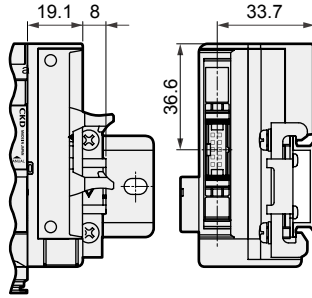
Flat cable connector (T51R/T52R/T53R): Connector dimensions

* The figure shows the right-side connector.

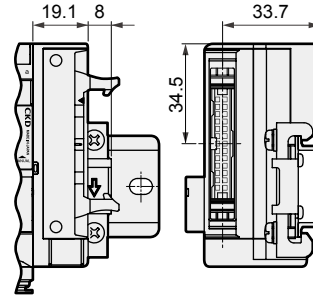
● T51R



● T52R



● T53R

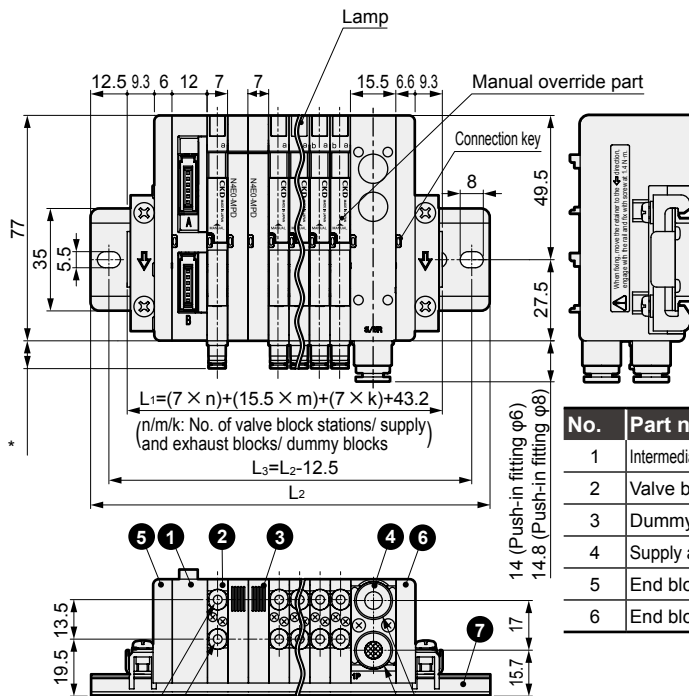
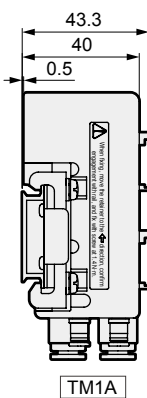
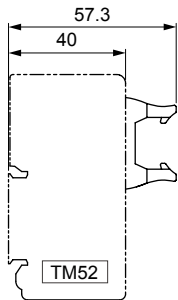
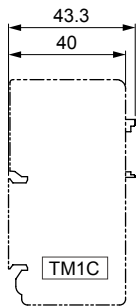
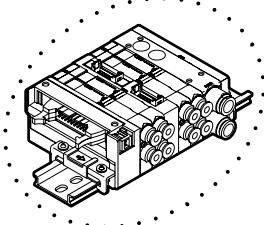


MN³₄E00*⁻-TM1C^A*⁻-*

● RITS connector, intermediate wiring (TM1C^A)

MN³₄E00*⁻-TM52*⁻-*

● 10-pin flat cable connector, intermediate wiring (TM52)



No.	Part name
1	Intermediate wiring block TM1A
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block L
6	End block R

* Fitting dimensions	
Push-in fitting	
φ1.8	6.8
φ3	9.5
φ4	11.9
M3 Female thread	6.1

Push-in fitting φ1.8, φ3, φ4, M3 cartridge (selection) 2(B) port

Push-in fitting φ1.8, φ3, φ4, M3 cartridge (selection) 4(A) port

Push-in fitting φ6, φ8 (selection) 3 (R) port
Push-in fitting φ6, φ8 (selection) 1 (P) port

Manifold length L1 mm	76.2 or less	88.7 or less	101.2 or less	113.7 or less	126.2 or less	138.7 or less	151.2 or less	163.7 or less	176.2 or less	188.7 or less	201.2 or less	213.7 or less	226.2 or less	238.7 or less	251.2 or less	263.7 or less	276.2 or less	288.7 or less	301.2 or less	313.7 or less	326.2 or less	338.7 or less	351.2 or less
Mounting rail length L2 mm	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

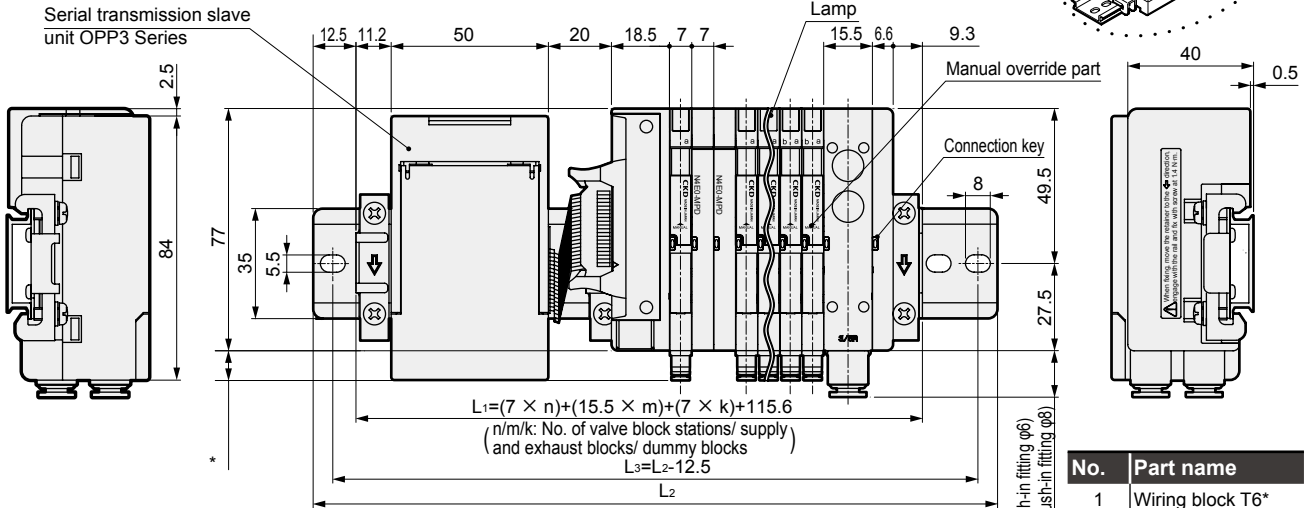
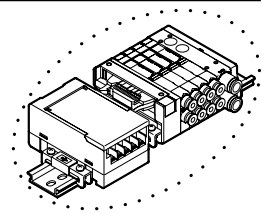
4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
4TB
4L2-4/LMFO
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G
GMF
PV5
GMF
PV5S-0
3QR
3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/NVP
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD
Silencer
TotAirSys (Total Air)
TotAirSys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

MN³₄ E00-T6* Series

Dimensions

MN³₄ E00*-T6**-*

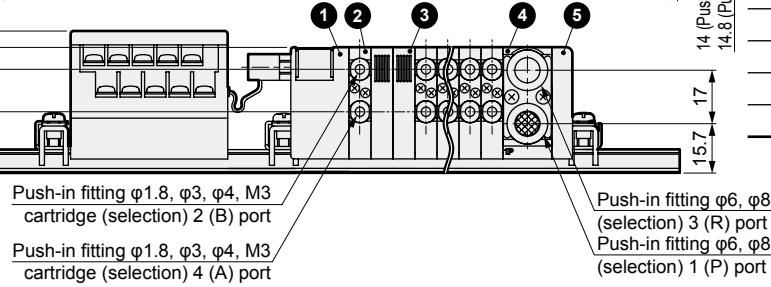
● Serial transmission (T6A0/1 / T6C0/1 / T6E0/1 / T6J0/1 / T6G1)



No.	Part name
1	Wiring block T6*
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block R

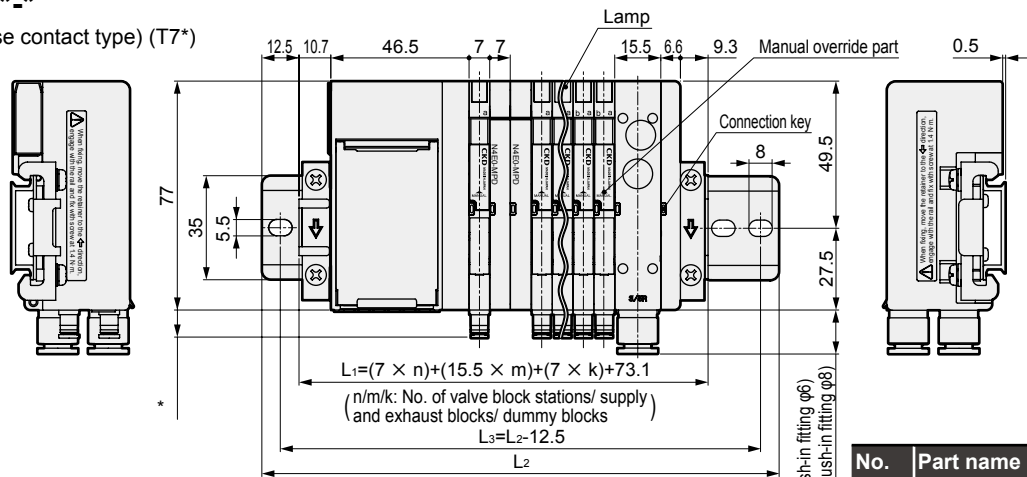
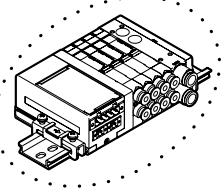
*** Fitting dimensions**

Push-in fitting φ1.8	6.8
φ3	9.5
φ4	11.9
M3 Female thread	6.1



MN³₄ E00*-T7**-*

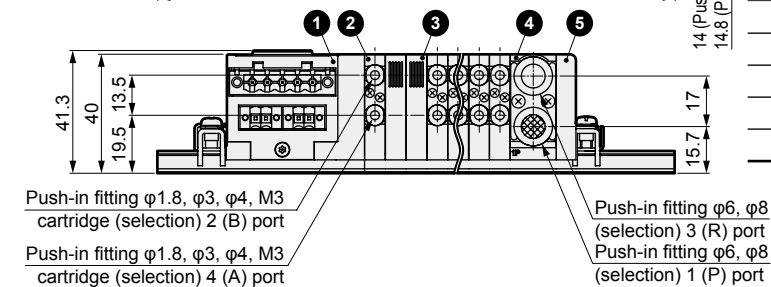
● Serial transmission (close contact type) (T7*)



No.	Part name
1	Wiring block T7*
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block R

*** Fitting dimensions**

Push-in fitting φ1.8	6.8
φ3	9.5
φ4	11.9
M3 Female thread	6.1



* For dimensions of the radial push-in fittings (upward) for valve block and for supply and exhaust block, refer to page 795.

Manifold length L1 mm	76.2 or less	88.7 or less	101.2 or less	113.7 or less	126.2 or less	138.7 or less	151.2 or less	163.7 or less	176.2 or less	188.7 or less	201.2 or less	213.7 or less	226.2 or less	238.7 or less	251.2 or less	263.7 or less	276.2 or less	288.7 or less	301.2 or less	313.7 or less	326.2 or less	338.7 or less	351.2 or less
Mounting rail length L2 mm	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

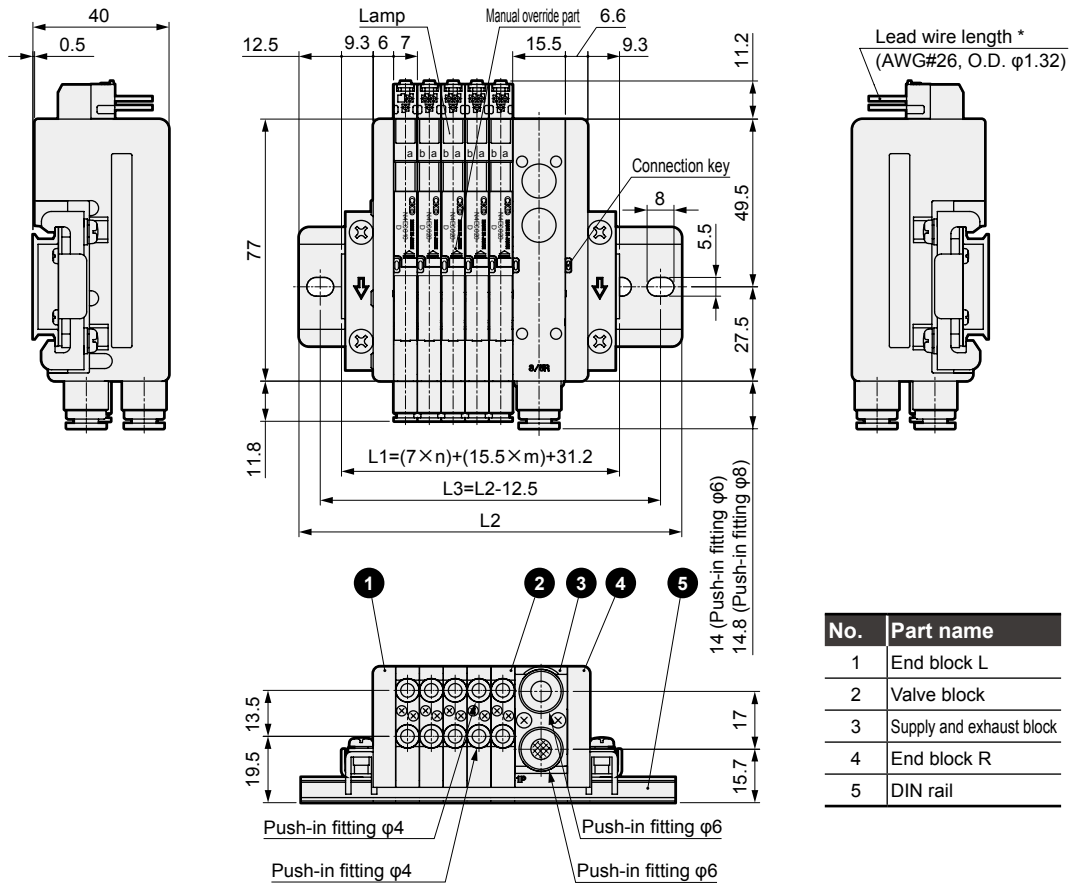
MN3E00/MN4E00 Series

Reduced wiring block manifold

Dimensions

MN₄E00*³-(D2 to D3)*-*

● Individual wiring connector (D2/D20/D21/D22/D23/D2N/D3)



No.	Part name
1	End block L
2	Valve block
3	Supply and exhaust block
4	End block R
5	DIN rail

Manifold length L1 mm	63.7 or less	76.2 or less	88.7 or less	101.2 or less	113.7 or less	126.2 or less	138.7 or less	151.2 or less	163.7 or less	176.2 or less	188.7 or less	201.2 or less	213.7 or less	226.2 or less	238.7 or less	251.2 or less	263.7 or less	276.2 or less	288.7 or less	301.2 or less	313.7 or less	326.2 or less	338.7 or less	351.2 or less
Mounting rail length L2 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	75	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

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

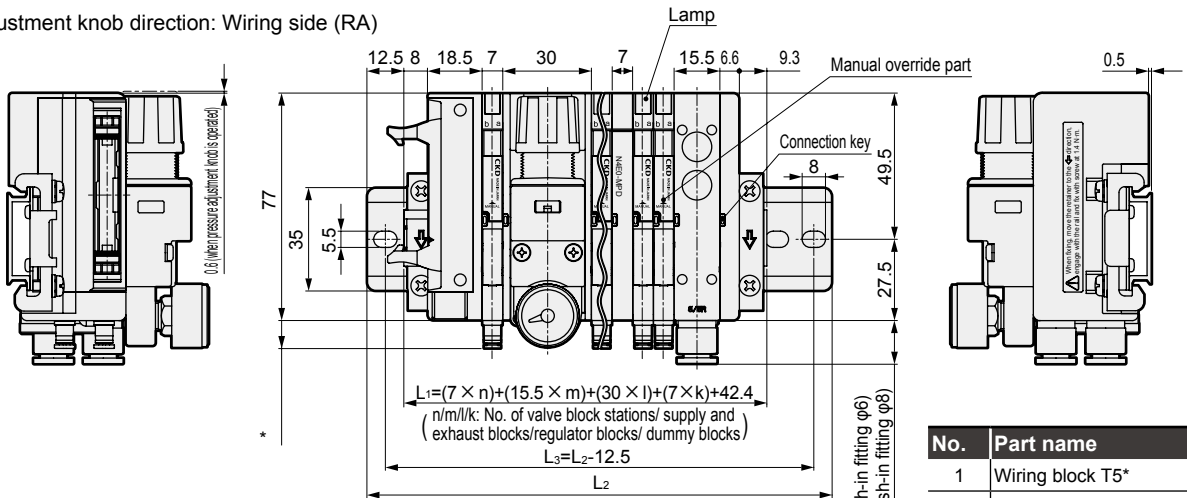
MN3E00/MN4E00 Series

Dimensions

● Piping blocks (common for all types)

Regulator block
 $MN\frac{3}{4}E0*0*-\boxed{R}-*$

● Pressure adjustment knob direction: Wiring side (RA)



No.	Part name
1	Wiring block T5*
2	Valve block
3	Regulator block
4	Dummy block
5	Supply and exhaust block
6	End block R

* Fitting dimensions

Push-in fitting	$\phi 1.8$	6.8
	$\phi 3$	9.5
	$\phi 4$	11.9
M3 Female thread		6.1

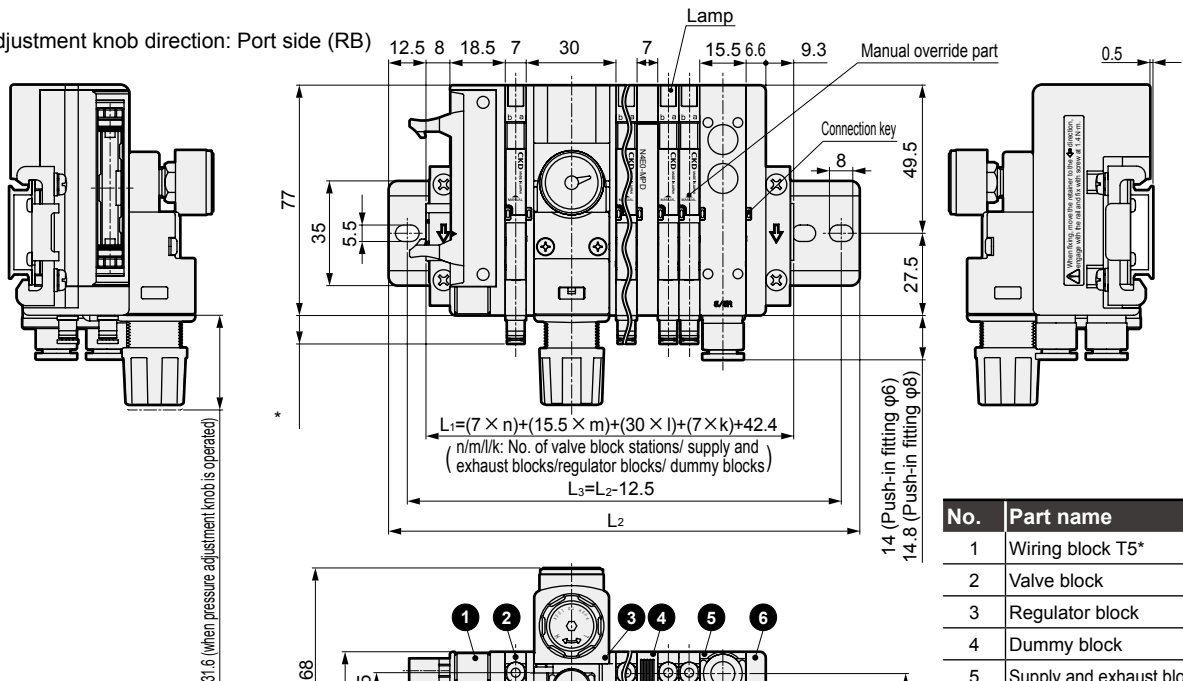
Push-in fitting $\phi 1.8, \phi 3, \phi 4, M3$ cartridge (selection) 2 (B) port

Push-in fitting $\phi 1.8, \phi 3, \phi 4, M3$ cartridge (selection) 4 (A) port

Push-in fitting $\phi 6, \phi 8$ (selection) 3 (R) port

Push-in fitting $\phi 6, \phi 8$ (selection) 1 (P) port

● Pressure adjustment knob direction: Port side (RB)



No.	Part name
1	Wiring block T5*
2	Valve block
3	Regulator block
4	Dummy block
5	Supply and exhaust block
6	End block R

* Fitting dimensions

Push-in fitting	$\phi 1.8$	6.8
	$\phi 3$	9.5
	$\phi 4$	11.9
M3 Female thread		6.1

Push-in fitting $\phi 1.8, \phi 3, \phi 4, M3$ cartridge (selection) 2 (B) port

Push-in fitting $\phi 1.8, \phi 3, \phi 4, M3$ cartridge (selection) 4 (A) port

Push-in fitting $\phi 6, \phi 8$ (selection) 3 (R) port

Push-in fitting $\phi 6, \phi 8$ (selection) 1 (P) port

MN3E00/MN4E00 Series

Reduced wiring block manifold

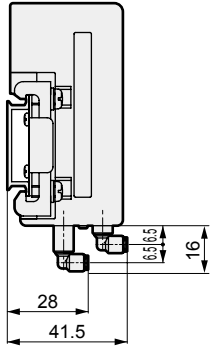
Dimensions

● Piping blocks (common for all types)

For fiber tube

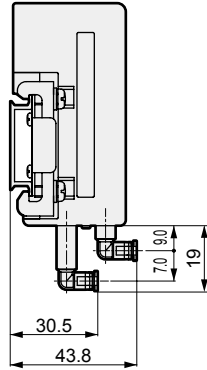
Push-in fitting (upward)

● $\phi 1.8$ (CL18)



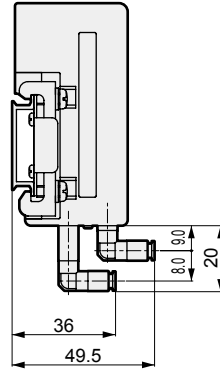
Push-in fitting (upward)

● $\phi 3$ (CL3)



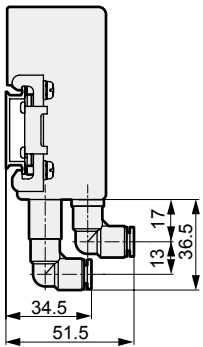
Push-in fitting (upward)

● $\phi 4$ (CL4)

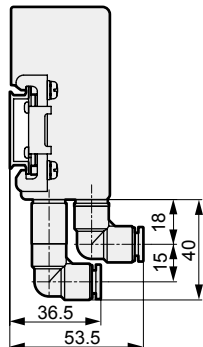


Supply and exhaust block
Radial push-in fitting (upward)

● $\phi 6$ (CL6)

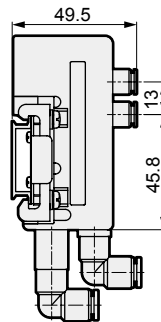


● $\phi 8$ (CL8)

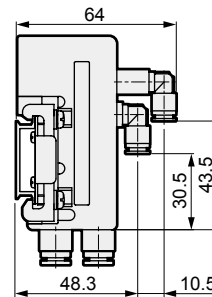


Supply and exhaust block for external pilot

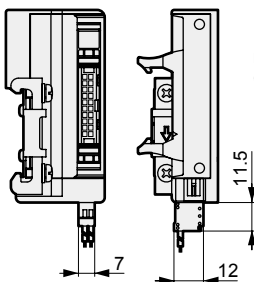
● Upward piping



● Lateral piping



● Dimensions with T50 power supply connector



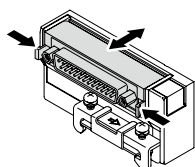
Feed connector
(Attached with product)



Applicable wire
AWG28-20

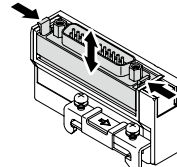
● D sub-connector (T30/T30R): How to switch the connector direction

Usage in a horizontal state

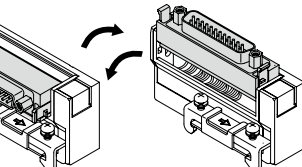


Hold the lever and pull the connector out horizontally. Push in the connector horizontally for storage. (Fix it.)

Usage in a vertical state

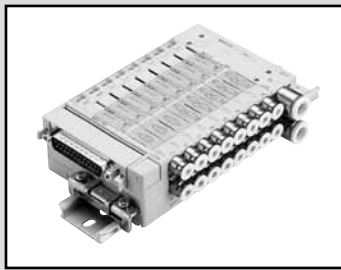


Hold the lever and pull the connector out vertically. Push in the connector horizontally for storage. (Fix it.)



Rotate the connector. Fix the connector in the horizontal or vertical state during use.

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



Reduced wiring block manifold
Pilot operated 3, 4-port valve

MN3E0/MN4E0 Series



Common specifications

Descriptions	Content
Manifold method	Block manifold
Manifold	Common supply/exhaust Exhaust check valve built-in *1
Working fluid	Compressed air
Valve and operation	Pilot operated soft spool valve
Max. working pressure MPa	0.7 (≈100 psi, 7 bar)
Min. working pressure MPa	0.2 (≈29 psi, 2 bar)
Proof pressure MPa	1.05 (≈150 psi, 10.5 bar)
Ambient temperature °C	5 (41°F) to 55 (131°F)
Fluid temperature °C	5 (41°F) to 55 (131°F)
Lubrication	Not required
Degree of protection	Dust-proof
Vibration resistance m/s ²	50 or less
Shock resistance m/s ²	300 or less
Atmosphere	Cannot be used in corrosive gas environments
Manual override	Locking/non-locking common type or non-locking

*1: Check valve blocks back pressure from adjacent pneumatic devices, etc.,
However, the structure does not permit continuous pressure holding, so do not use for purposes other than blocking back pressure.

Electrical specifications

Descriptions	Content
Rated voltage V	12, 24 DC
Voltage fluctuation range	±10% (When using serial transmission +10%, -5%)
Holding current A	24 VDC 0.025 (0.013) *2
	12 VDC 0.05 (0.025) *2
Power consumption W	24 VDC 0.6 (0.3) *2
	12 VDC
Thermal class	B
Surge suppressor	Option
Indicator	LED

*2: Values shown in () are for low exoergic/energy saving circuit type.
As well, when using the valve block with individual power supply function (AUX), type with low exoergic/energy-saving circuit, energizing is limited to the plus common.

Individual specifications

Descriptions	Port	3-port valve	4-port valve	Two 3-port valves integrated *2
Port size	A/B Port	Push-in fitting φ1.8, φ4, φ6, M5, fiber tube		
	P/R port	φ6, φ8 Push-in fitting		
	External pilot port	φ6 Push-in fitting		
Response time *1 ms	2-position Single	20 or less	20 or less	12 or less
	Double	12 or less	12 or less	-
	3-position	-	20 or less	-

*1: The response time is the value at 0.5 MPa supply pressure, with no lubrication.

*2: The type with two 3-port valves integrated uses main pressure to operate the valving element, and therefore cannot be used with external pilot.

Check for sufficient supply air flow that the supply pressure does not drop below the min. working pressure due to the operation of the connected load (air operated valve), etc.

Flow characteristics

		C [dm ³ /(s·bar)]	b
3-port valve	2-position	0.54	0.12
	2-position	0.54	0.12
4-port valve	3-position	All ports closed	0.50
		A/B/R connection	0.54
		P/A/B connection	0.50
Two 3-port valves integrated	2-position	0.50	0.16

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

Weight

Wiring block (g)	D sub-connector T30	Flat cable connector T5*	Intermediate wiring block			Serial transmission		
			TM1A	TM1C	TM52	T6*	T7*	
4F*0EX	67	59	32	32	34	205	128	
4F*0E	Q/QZ	QK	QKZ			QX	QKX	
	Fitting Lateral	64	69	79			56	61
HMV HSV	Fitting Upward	90	94	98			62	66
	Valve block (g)	2-position single	2-position double	3-position		Two 3-port valves integrated		
Fitting Lateral		47.5	52	53.5		52		
2QV 3QV	Fitting Upward	54.5	59	60.5		59		
	Dummy block (g)	MPS/MPD						
SKH	20							
PCD	Regulator block (g) *1	-						
Silencer	124							
TotAirSys (Total Air)	End block (g)	ER/EL						
TotAirSys (Gamma)	40							
Ending	DIN rail (g)	-						
	0.19 g/mm							

*1: The values may differ slightly based on the regulator block specifications.

Max. number of stations energized by manifold

Descriptions		Content	Double solenoid (double wiring)	Single solenoid	Mix manifold (number of solenoid valves)
D sub-connector (25-pin)	T30	D sub-connector Left-sided spec.	12 stations	24 stations	24 points
	T30R	D sub-connector Right-sided spec.	12 stations	24 stations	24 points
Flat cable connector	T50	20-pin flat cable connector Left-sided spec. (with power supply terminal)	8 stations	16 stations	16 points
	T50R	20-pin flat cable connector Right-sided spec. (with power supply terminal)	8 stations	16 stations	16 points
	T51	20-pin flat cable connector Left-sided spec. (without power supply terminal)	9 stations	18 stations	18 points
	T51R	20-pin flat cable connector Right-sided spec. (without power supply terminal)	9 stations	18 stations	18 points
	T52	10-pin flat cable connector Left-sided spec. (without power supply terminal)	4 stations	8 stations	8 points
	T52R	10-pin flat cable connector Right-sided spec. (without power supply terminal)	4 stations	8 stations	8 points
	T53	26-pin flat cable connector Left-sided spec. (without power supply terminal)	12 stations	24 stations	24 points
	T53R	26-pin flat cable connector Right-sided spec. (without power supply terminal)	12 stations	24 stations	24 points
Intermediate wiring block	TM1A	RITS connector 6P x 2 *1	5 stations	10 stations	10 points
	TM1C	RITS connector 6P *1	2 stations	5 stations	5 points
	TM52	10-pin flat cable connector	4 stations	8 stations	8 points
Serial transmission (with dedicated unit)	T6A0	UNIWIRESYSTEM 8 points	4 stations	8 stations	8 points
	T6A1	UNIWIRESYSTEM 16 points	8 stations	16 stations	16 points
	T6C0	CompoBus/S 8 points	4 stations	8 stations	8 points
	T6C1	CompoBus/S 16 points	8 stations	16 stations	16 points
	T6E0	S-LINK 8 points	4 stations	8 stations	8 points
	T6E1	S-LINK 16 points	8 stations	16 stations	16 points
	T6J0	UNIWIRESYSTEM H SYSTEM 8 points	4 stations	8 stations	8 points
	T6J1	UNIWIRESYSTEM H SYSTEM 16 points	8 stations	16 stations	16 points
	T6G1	CC-Link 16 points	8 stations	16 stations	16 points
	Serial transmission (close contact type)	T7D1	DeviceNet 16 points	8 stations	16 stations
T7D2		DeviceNet 32 points	16 stations	32 stations	32 points
T7G1		CC-Link 16 points	8 stations	16 stations	16 points
T7G2		CC-Link 32 points	16 stations	32 stations	32 points
T7N1		S-LINK V 16 points	8 stations	16 stations	16 points
T7N2		S-LINK V 32 points	16 stations	32 stations	32 points

*1: RITS connector 6P (1473562-6) Tyco Electronics Japan G.K.

Slave unit specifications

Descriptions	T6C1 T6C0		T6G1 *1	T6A1 T6A0	T6J1 T6J0	T6E1 T6E0	T7D1 *2 T7D2	T7G1 *1 T7G2	T7N1 T7N2
	Power supply voltage	Unit side	24 VDC ±10%		24 VDC ±10%			24 VDC ±10%	
Current consumption	Valve side	24 VDC +10% -5%		24 VDC +10% -5%			24 VDC +10% -5%		
	Comm side	-		-			11 to 25 VDC		
Output points	Unit side	T6C1: 60 mA or less T6C0: 40 mA or less (When all points output ON)	100 mA or less (When all points output ON)	100 mA or less (When all points output ON) Note that current consumption of valve is not included	60 mA or less (When all points output ON) Note that current consumption of valve is not included	T7D1: 60 mA or less T7D2: 85 mA or less (when all points output ON)	T7G1: 65 mA or less T7G2: 90 mA or less (when all points output ON)	T7N1: 40 mA or less T7N2: 50 mA or less (When all points output ON)	
	Valve side	15 mA or less (when all points are OFF)		15 mA or less (when all points are OFF)			15 mA or less (when all points are OFF)		
Occupied number	Comm side	-		-			50 mA or less		
	Unit side	T6C1: 16 points T6C0: 8 points	16 points	T6A1: 16 points T6A0: 8 points	T6J1: 16 points T6J0: 8 points	T6E1: 16 points T6E0: 8 points	T7D1: 16 points T7D2: 32 points	T7G1: 16 points T7G2: 32 points	T7N1: 16 points T7N2: 32 points
Occupied number	Valve side	T6C1: 2 node address (8-point mode) T6C0: 1 node address (in 8-point mode)	1 station	T6A1: Output 16 points T6A0: Output 8 points	T6J1: Output 16 points T6J0: Output 8 points	T6E1:FAN-in:3 T6E0:FAN-in:3 *3	T7D1: 2 bytes T7D2: 4 bytes	T7G1: 1 station T7G2: 1 station	T7N1: Output 16 points T7N2: Output 32 points

*1: CC-Link is Ver. 1.10.

*2: Contact CKD for information on the EDS file. (EDS file: A text file of parameters for communication with various companies' master units)

*3: FAN-in indicates the input capacity from D-G line. (It is necessary to calculate the number of units to be connected.)

Ozone-proof specifications

Select the option "A" for Item (H) in How to order on pages 798 and 802.

Clean-room specifications (Catalog No. CB-033SA)

● Anti-dust generation structure for use in cleanrooms

** - Voltage- **P70**

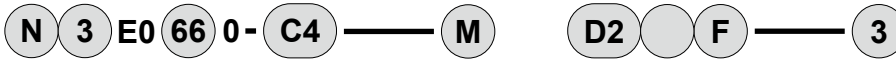
4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
4TB
4L2-4/
LMFO
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G
GMF
PV5
GMF
PV5S-0
3QR
3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/
NVP
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD
Silencer
TotAirSys
(Total Air)
TotAirSys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

MN3E0/MN4E0 Series

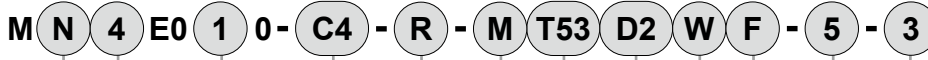
How to order manifold D sub/flat cable connector

* Refer to page 802 for serial transmission.

● Discrete valve block



● Block manifold



DIN rail mount

C Port size

E Manual override

Individual wiring

H Option

J Voltage

D Adjustment function

F Wiring method

G Terminal/connector pin array

I Station No.

* Be sure to fill in the "Manifold specifications sheet" (page 855).

Type	
Block manifold	Discrete valve block

A Valve

B Solenoid position

Code	Content		
A Valve			
3	3-port valve or two 3-port valves integrated	●	●
4	4-port valve or 3, 4-port valve mix	●	●
B Solenoid position (*10)			
1	Single NC self-reset	(Differential pressure spring return)	●
11	Single NO self-reset		●
2	Double NC self-hold		●
21	Double NO self-hold		●
66	A side valve: NC self-reset	(Differential pressure return)	●
66S	B side valve: NC self-reset	(Differential pressure spring return)	●
67	A side valve: NC self-reset	(Differential pressure return)	●
67S	B side valve: NO self-reset	(Differential pressure spring return)	●
76	A side valve: NO self-reset	(Differential pressure return)	●
76S	B side valve: NC self-reset	(Differential pressure spring return)	●
77	A side valve: NO self-reset	(Differential pressure return)	●
77S	B side valve: NO self-reset	(Differential pressure spring return)	●
1	2-position single self-reset	(Differential pressure spring return)	●
2	2-position double self-hold		●
3	3-position all ports closed		●
4	3-position A/B/R connection		●
5	3-position P/A/B connection		●
8	Mix manifold		●
C Port size			
CF	φ1.8 barbed fitting (compatible tube UP-9102-**)	●	●
C18	φ1.8 push-in fitting lateral (compatible tube UP-9402-**)	●	●
CL18	φ1.8 push-in fitting upward (compatible tube UP-9402-**)	●	●
C4	φ4 push-in fitting lateral	●	●
CL4	φ4 push-in fitting upward	●	●
C6	φ6 push-in fitting lateral	●	●
CL6	φ6 push-in fitting upward	●	●
M5	M5 female thread (with rotation-stop)	●	●
CX	Mix push-in fitting	●	●
D Adjustment function			
Blank	Without regulator block	●	
R	Regulator block equipped manifold (*2, *3)	●	
E Manual override			
Blank	Locking/non-locking common (with manual cover)	●	●
M	Manual override for non-locking (with manual cover)	●	●
F Wiring method			
Refer to the following page for the wiring method.		●	
G Terminal/connector pin array			
Blank	Standard wiring	●	●
W	Double wiring (*4, *5)	●	●
H Option			
Blank	None	●	●
E	Low exoergic/energy saving circuit (*6)	●	●
U	Built-in individual power supply function (AUX) (*6, *7)	●	●
A	Ozone-proof product	●	●
F	A/B port filter integrated (*8)	●	●
I Station No. (*11)			
1	1 station	●	
to	to		
24	24 stations (*9)		
J Voltage			
3	24 VDC	●	●
4	12 VDC	●	●

* For model No. of the cable with D sub-connector, refer to page 833.

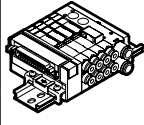
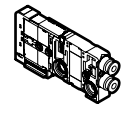
⚠ Precautions for model No. selection

- *1 : The type with two 3-port valves integrated cannot be used with the external pilot. Consult with CKD for other working conditions.
- *2 : The type with two 3-port valves integrated resets the main valve with the main pressure, so if there is a difference between the pilot pressure and main pressure, the response time may be delayed.
- *3 : Check that the main pressure supplied to the valve block with two 3-port valves integrated is not higher than the pilot pressure, and that the main pressure does not drop below 0.2 MPa.
- *4 : Refer to the connector pin layout (example) on pages 832 to 839 for the double wiring specifications. When ordering individual valve blocks, the double wiring designation is limited to the 2-position single solenoid for the 3-port valve and to the 2-position single solenoid for the 4-port valve.
- *5 : Double wiring is not available for discrete individual wiring valve blocks.
- *6 : Energizing is limited to the plus common. Also, "E" and "U" cannot be selected together.
- *7 : "U" is not available for individual wiring.
- *8 : A filter (for preventing entry of foreign matter) is incorporated in the supply and exhaust block's P port.
- *9 : Differs depending on the specifications. Refer to page 797.
- *10 : For specifications of the self-reset, refer to the precautions on page 857. To include a dummy block, select mix manifold.
- *11 : A dummy block is counted in the station No.

MN3E0/MN4E0 Series

Reduced wiring block manifold

[Wiring method list]

Code	Content	Type		
		Block manifold	Discrete valve block	
				
F Wiring method				
T30	25-pin D sub-connector Left-sided spec.	●		
T30R	25-pin D sub-connector Right-sided spec.	●		
T50	20-pin flat cable connector Left-sided spec. (with power supply terminal) *11	●		
T50R	20-pin flat cable connector Right-sided spec. (with power supply terminal) *11	●		
T51	20-pin flat cable connector Left-sided spec.	●		
T51R	20-pin flat cable connector Right-sided spec.	●		
T52	10-pin flat cable connector Left-sided spec.	●		
T52R	10-pin flat cable connector Right-sided spec.	●		
T53	26-pin flat cable connector Left-sided spec.	●		
T53R	26-pin flat cable connector Right-sided spec.	●		
TM1A	Intermediate wiring block RITS connector 6P x 2 *12	●		
TM1C	Intermediate wiring block RITS connector 6P *12	●		
TM52	Intermediate wiring block 10-pin flat cable connector	●		
TX	Wiring block mix *13, 14	●		
Blank	Valve block for reduced wiring		●	
D2	Individual wiring D type connector 300 mm	●	●	
D20		D type connector 500 mm	●	●
D21		D type connector 1000 mm	●	●
D22		D type connector 2000 mm	●	●
D23		D type connector 3000 mm	●	●
D2N		D type connector without socket	●	●
D3		D type connector with socket/terminal	●	●

*11: T50 and T50R with power supply terminal can be combined only with T50R and T50 respectively.

*12: RITS connector 6P (1473562-6) Tyco Electronics Japan G.K.

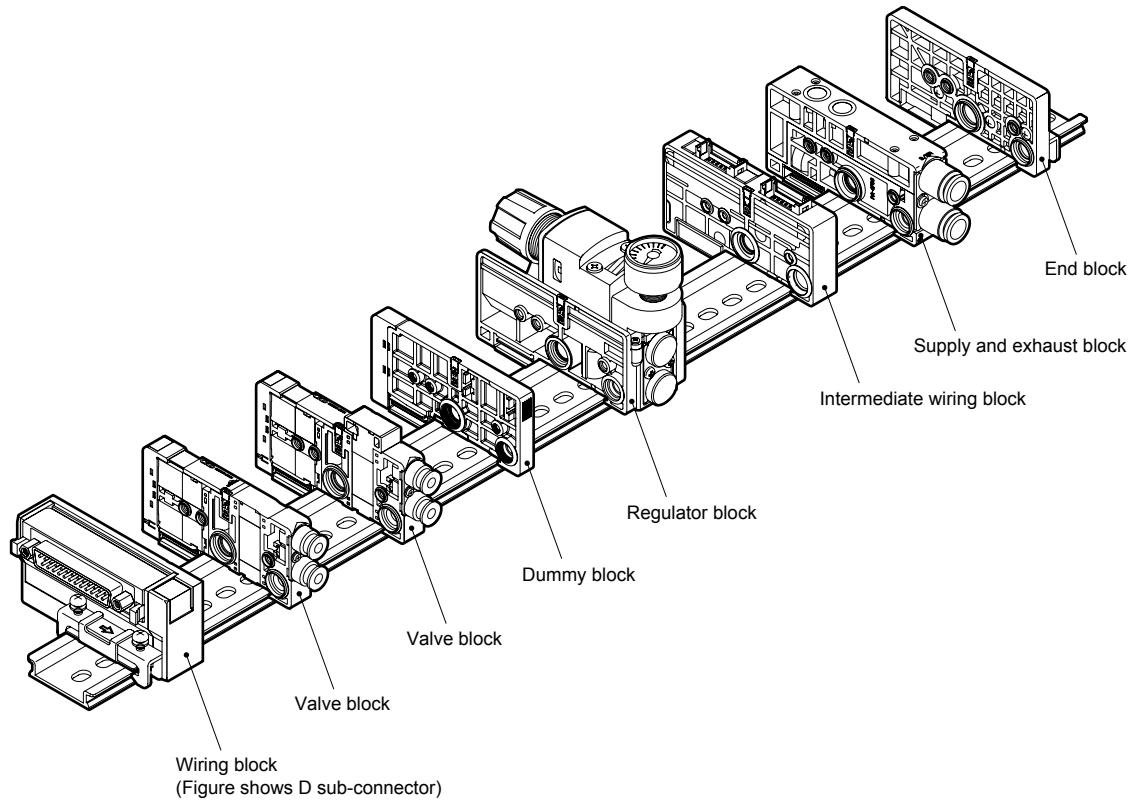
*13: Request 2 pcs in the manifold specifications sheet. Contact CKD for 3 pcs. or more.

*14: Individual wiring is not available for the TX wiring method.

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

MN3E0/MN4E0 Series

Manifold components explanation and parts list



Example of main component model No. (Refer to pages 822 to 831 for details)

Part name	Model No. (example)	Part name	Model No. (example)
Wiring block	N4E0-T30	Regulator block	N4E0-RA-RL
Valve block	N4E020-C4-3	Supply and exhaust block	N4E0-Q-8
	N4E030-C4-3	End block	N4E0-ER
Dummy block	N4E0-MPD		

Related parts list

Part name	Model No. (example)	Part name	Model No. (example)
Cartridge push-in fitting and related parts	N4E0-JOINT-C18	Cartridge push-in fitting and related parts	N4E0-JOINT-CF
	N4E0-JOINT-C4		N4E0-JOINT-CPG
	N4E0-JOINT-C6		
	N4E0-JOINT-CL18		
	N4E0-JOINT-CL4		
	N4E0-JOINT-CL6		

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

MEMO

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

MN3E0/MN4E0 Series

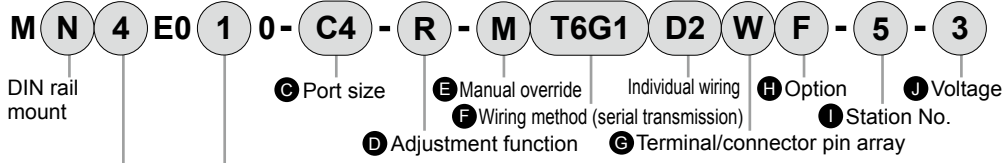
How to order manifold Serial transmission

* Refer to page 798 for details on D sub-connector/flat cable connector.

● Discrete valve block



● Block manifold



DIN rail mount

C Port size

E Manual override

F Wiring method (serial transmission)

H Option

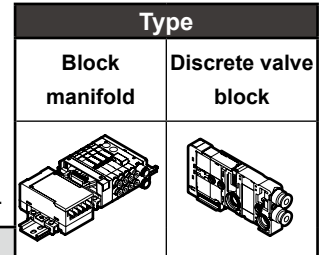
J Voltage

D Adjustment function

G Terminal/connector pin array

I Station No.

* Be sure to fill in the "Manifold specifications sheet" (page 855).



Code		Content		Type	
A Valve				Block manifold	Discrete valve block
3		3-port valve or two 3-port valves integrated		●	●
4		4-port valve or 3, 4-port valve mix		●	●
B Solenoid position (*10)				Block manifold	Discrete valve block
1	3-port valve	Single NC self-reset	(Differential pressure spring return)	●	●
11		Single NO self-reset		●	●
2	3-port valve	Double NC self-hold		●	●
21		Double NO self-hold		●	●
66	Two 3-port valves integrated *1	A side valve: NC self-reset	(Differential pressure return)	●	●
66S		B side valve: NC self-reset	(Differential pressure spring return)	●	●
67		A side valve: NC self-reset	(Differential pressure return)	●	●
67S		B side valve: NO self-reset	(Differential pressure spring return)	●	●
76		A side valve: NO self-reset	(Differential pressure return)	●	●
76S		B side valve: NC self-reset	(Differential pressure spring return)	●	●
77		A side valve: NO self-reset	(Differential pressure return)	●	●
77S		B side valve: NO self-reset	(Differential pressure spring return)	●	●
1	4-port valve	2-position single self-reset (Differential pressure spring return)		●	●
2		2-position double self-hold		●	●
3		3-position all ports closed		●	●
4		3-position A/B/R connection		●	●
5		3-position P/A/B connection		●	●
8	Mix manifold			●	
C Port size				Block manifold	Discrete valve block
CF	φ1.8 barbed fitting (compatible tube UP-9102-**)			●	●
C18	φ1.8 push-in fitting lateral (compatible tube UP-9402-**)			●	●
CL18	φ1.8 push-in fitting upward (compatible tube UP-9402-**)			●	●
C4	φ4 push-in fitting lateral			●	●
CL4	φ4 push-in fitting upward			●	●
C6	φ6 push-in fitting lateral			●	●
CL6	φ6 push-in fitting upward			●	●
M5	M5 female thread (with rotation-stop)			●	●
CX	Mix push-in fitting			●	●
D Adjustment function				Block manifold	Discrete valve block
Blank	Without regulator block			●	
R	Regulator block equipped manifold (*2, *3)			●	
E Manual override				Block manifold	Discrete valve block
Blank	Locking/non-locking common (with manual cover)			●	●
M	Manual override for non-locking (with manual cover)			●	●
F Wiring method				Block manifold	Discrete valve block
Refer to the following page for the wiring method.				●	
G Terminal/connector pin array				Block manifold	Discrete valve block
Blank	Standard wiring			●	●
W	Double wiring (*4, 5)			●	●
H Option				Block manifold	Discrete valve block
Blank	None			●	●
E	Low exoergic/energy saving circuit (*6)			●	●
U	Built-in individual power supply function (AUX) (*6, *7)			●	●
A	Ozone-proof product			●	●
F	A/B port filter integrated (*8)			●	●
I Station No.				(*12)	
1	1 station				
to	to			●	
32	32 stations (*9)				
J Voltage				Block manifold	Discrete valve block
3	24 VDC			●	●

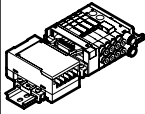
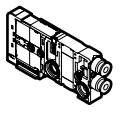
⚠ Precautions for model No. selection

- *1 : The type with two 3-port valves integrated cannot be used with the external pilot. Consult with CKD for other working conditions.
- *2 : The type with two 3-port valves integrated resets the main valve with the main pressure, so if there is a difference between the pilot pressure and main pressure, the response time may be delayed.
- *3 : Check that the main pressure supplied to the valve block with two 3-port valves integrated is not higher than the pilot pressure, and that the main pressure does not drop below 0.2 MPa.
- *4 : Refer to the connector pin layout (example) on pages 842 to 846 for the double wiring specifications. When ordering individual valve blocks, the double wiring designation is limited to the 2-position single solenoid for the 3-port valve and to the 2-position single solenoid for the 4-port valve.
- *5 : Double wiring is not available for discrete individual wiring valve blocks.
- *6 : Energizing is limited to the plus common. Also, "E" and "U" cannot be selected together.
- *7 : "U" is not available for individual wiring.
- *8 : A filter (for preventing entry of foreign matter) is incorporated in the supply and exhaust block's P port.
- *9 : Differs depending on the specifications. Refer to page 797.
- *10: For specifications of the self-reset, refer to the precautions on page 857.
- *11: Check the delivery date for T7N2 (S-LINK V 32 output points).
- *12: A dummy block is counted in the station No.

MN3E0/MN4E0 Series

Reduced wiring block manifold

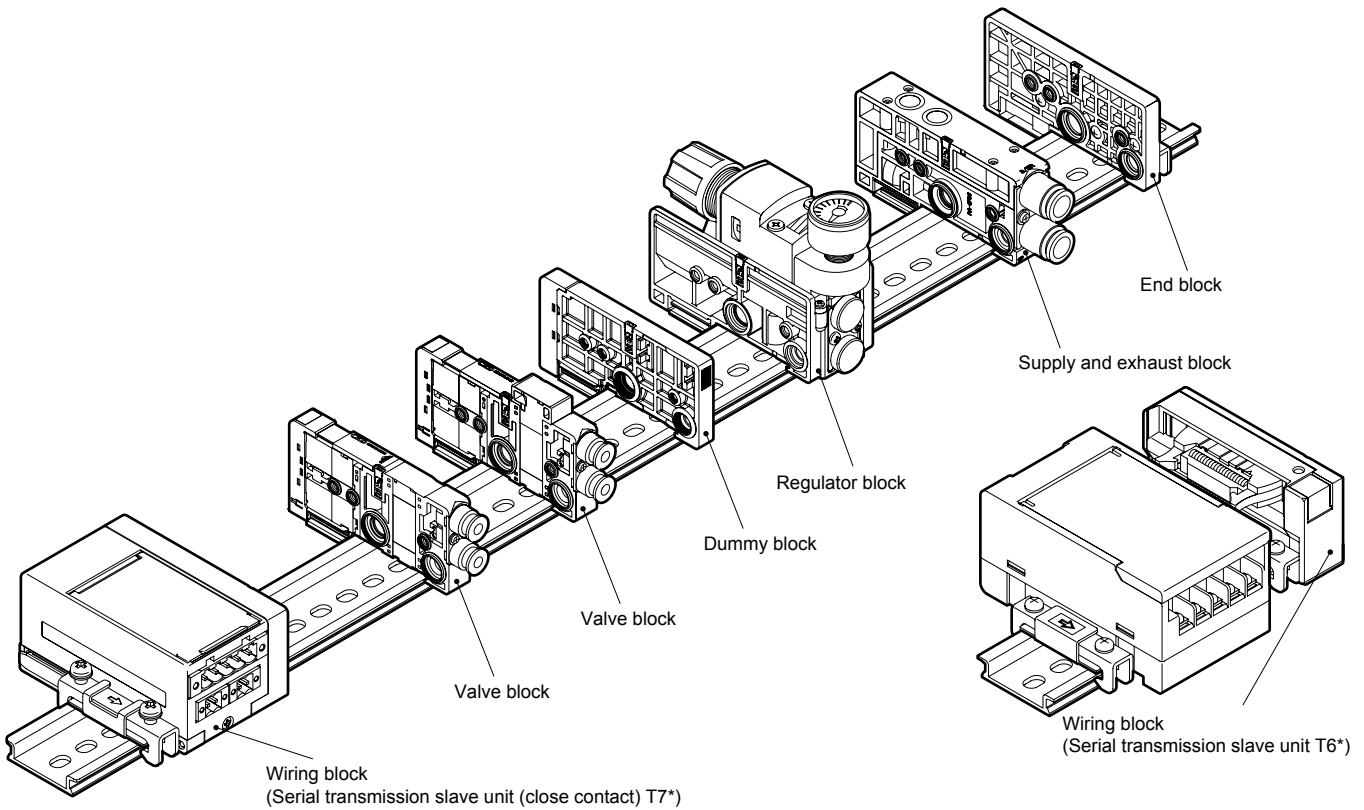
[Wiring method list]

Code		Content	Type	
			Block manifold	Discrete valve block
 				
F Wiring method				
T6A0		UNIWIRESYSTEM 8 points	●	
T6A1		UNIWIRESYSTEM 16 points	●	
T6C0		CompoBus/S 8 points	●	
T6C1		CompoBus/S 16 points	●	
T6E0		S-LINK 8 points	●	
T6E1		S-LINK 16 points	●	
T6J0		UNIWIRESYSTEM H SYSTEM 8 points	●	
T6J1		UNIWIRESYSTEM H SYSTEM 16 points	●	
T6G1		CC-Link 16 points	●	
T7D1		Close contact type DeviceNet 16 points	●	
T7D2		Close contact type DeviceNet 32 points	●	
T7G1		Close contact type CC-Link 16 points	●	
T7G2		Close contact type CC-Link 32 points	●	
T7N1		Close contact type S-LINK V 16 points	●	
T7N2		Close contact type S-LINK V 32 points (*11)	●	
Blank		Valve block for reduced wiring		●
D2	Individual wiring	D type connector Lead wire length 300 mm	●	●
D20		D type connector Lead wire length 500 mm	●	●
D21		D type connector Lead wire length 1000 mm	●	●
D22		D type connector Lead wire length 2000 mm	●	●
D23		D type connector Lead wire length 3000 mm	●	●
D2N		D type connector without lead wire without socket	●	●
D3		D type connector without lead wire with socket/terminal	●	●

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

MN3E0/MN4E0 Series

Manifold components explanation and parts list



Example of main component model No. (Refer to pages 822 to 831 for details)

Part name	Model No. (example)	Part name	Model No. (example)
Wiring block	N4E0-T7G2	Regulator block	N4E0-RA-RL
Valve block	N4E020-C4-3	Supply and exhaust block	N4E0-Q-8
	N4E030-C4-3	End block	N4E0-ER
Dummy block	N4E0-MPD		

Related parts list

Part name	Model No. (example)	Part name	Model No. (example)
Cartridge push-in fitting and related parts	N4E0-JOINT-C18	Cartridge push-in fitting and related parts	N4E0-JOINT-CF
	N4E0-JOINT-C4		N4E0-JOINT-CPG
	N4E0-JOINT-C6		
	N4E0-JOINT-CL18		
	N4E0-JOINT-CL4		
	N4E0-JOINT-CL6		

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

MEMO

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

MN3E0 Series

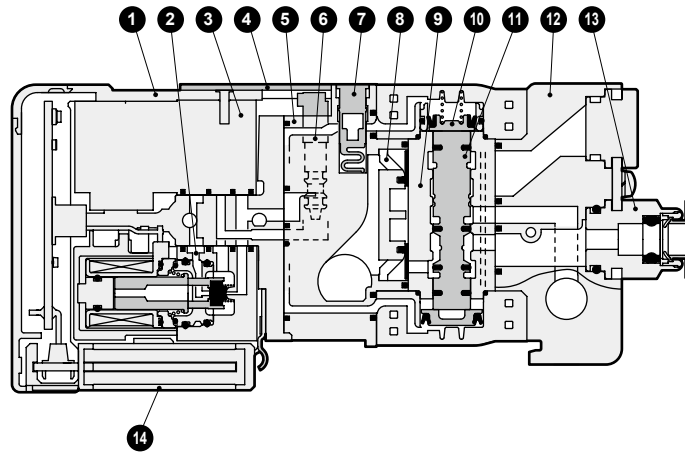
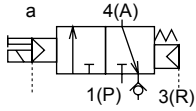
Internal structure and parts list

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

3-port valve

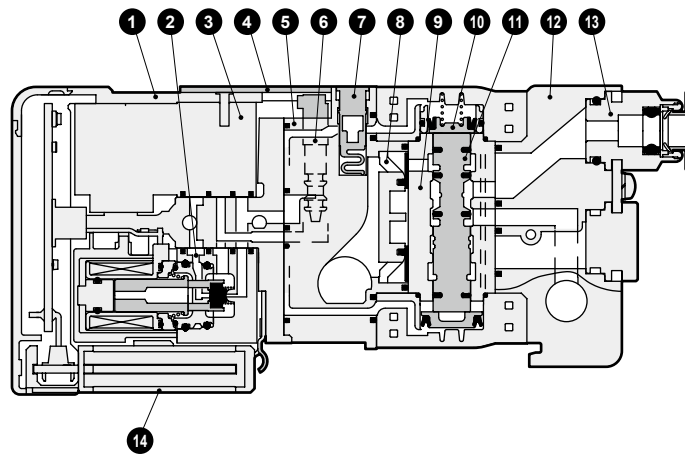
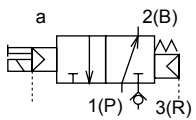
N3E010

● 2-position single normally closed



N3E0110

● 2-position single normally open



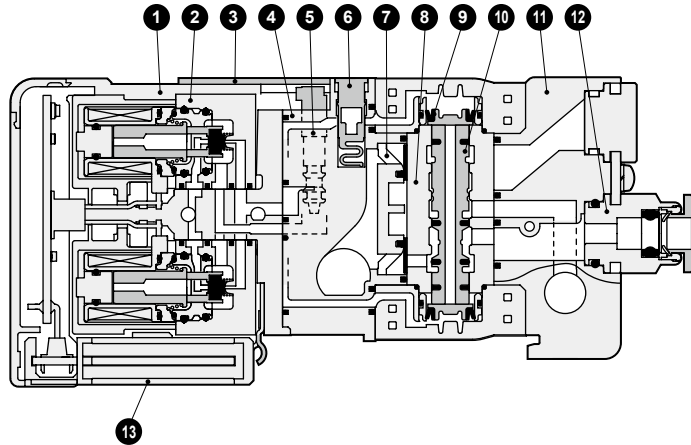
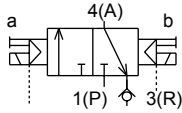
Main parts list

No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Check valve	PBT/TPU
2	Coil assembly	-	9	Body	Aluminum
3	Coil dummy	PPS	10	Piston chamber assembly	-
4	Manual cover	PBT	11	Spool assembly	Aluminum
5	Pilot block	PPS/PA	12	Port block	PA
6	Manual override	POM	13	Cartridge push-in fitting	-
7	Connection key	POM	14	Wiring connector assembly	LCP

Internal structure and parts list

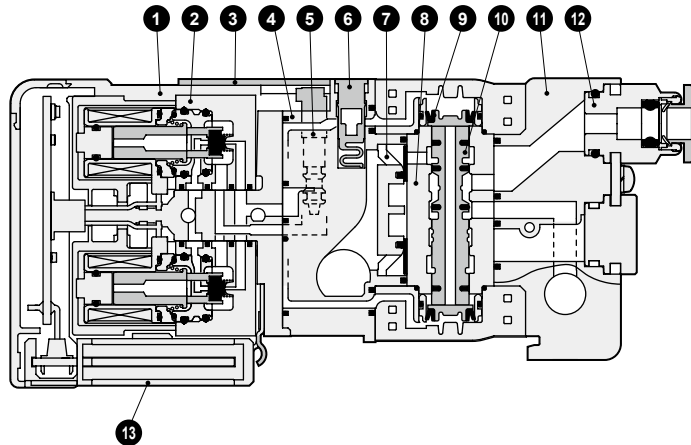
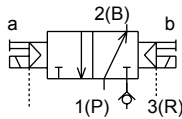
N3E020

- 2-position double normally closed (self-hold)



N3E0210

- 2-position double normally open (self-hold)



Main parts list

No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Body	Aluminum
2	Coil assembly	-	9	Piston chamber assembly	-
3	Manual cover	PBT	10	Spool assembly	Aluminum
4	Pilot block	PPS/PA	11	Port block	PA
5	Manual override	POM	12	Cartridge push-in fitting	-
6	Connection key	POM	13	Wiring connector assembly	LCP
7	Check valve	PBT/TPU			

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

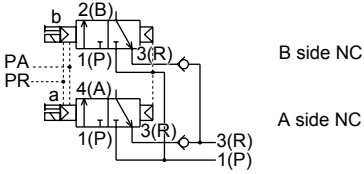
MN3E0 Series

Internal structure and parts list

Two 3-port valves integrated

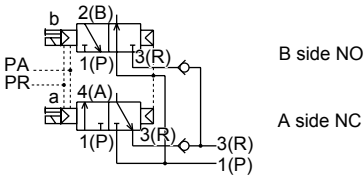
N3E0660

● NC/NC self-reset (differential pressure return)



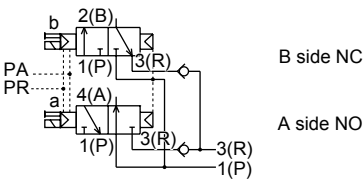
N3E0670

● NC/NO self-reset (differential pressure return)



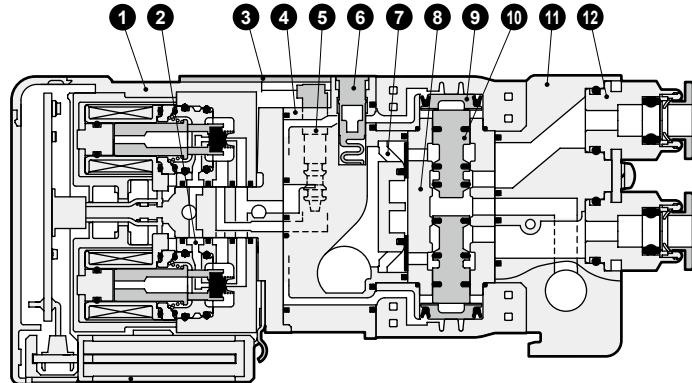
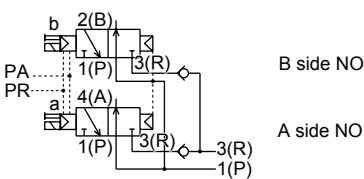
N3E0760

● NO/NC self-reset (differential pressure return)



N3E0770

● NO/NO self-reset (differential pressure return)



13 The figure shows an NC/NO self-reset (differential pressure return) with two 3-port valves integrated and both sides solenoid valves OFF.

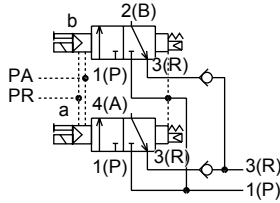
Main parts list

No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Body	Aluminum
2	Coil assembly	-	9	Piston chamber assembly	-
3	Manual cover	PBT	10	Spool assembly	Aluminum
4	Pilot block	PPS/PA	11	Port block	PA
5	Manual override	POM	12	Cartridge push-in fitting	-
6	Connection key	POM	13	Wiring connector assembly	LCP
7	Check valve	PBT/TPU			

Internal structure and parts list

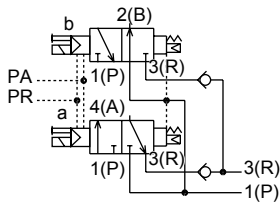
N3E066S0

- NC/NC self-reset (differential pressure spring return)



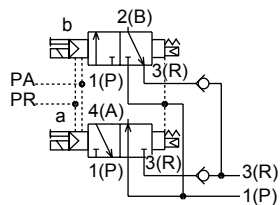
N3E067S0

- NC/NO self-reset (differential pressure spring return)



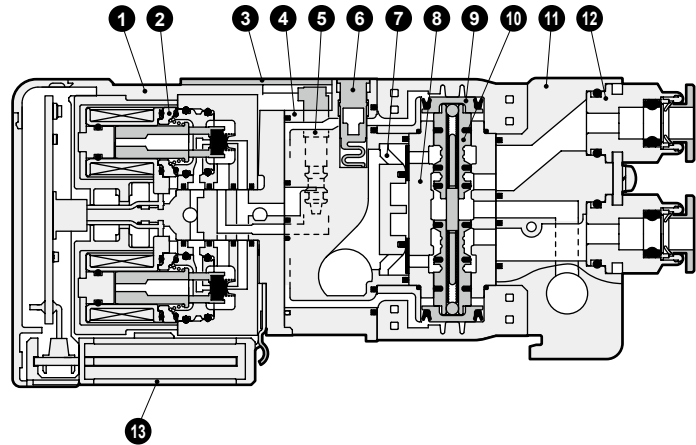
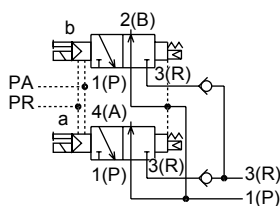
N3E076S0

- NO/NC self-reset (differential pressure spring return)



N3E077S0

- NO/NO self-reset (differential pressure spring return)



The figure shows an NC/NO self-reset (differential pressure spring return) with two 3-port valves integrated and both sides solenoid valves OFF.

Main parts list

No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Body	Aluminum
2	Coil assembly	-	9	Piston chamber assembly	-
3	Manual cover	PBT	10	Spool assembly	Aluminum
4	Pilot block	PPS/PA	11	Port block	PA
5	Manual override	POM	12	Cartridge push-in fitting	-
6	Connection key	POM	13	Wiring connector assembly	LCP
7	Check valve	PBT/TPU			

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

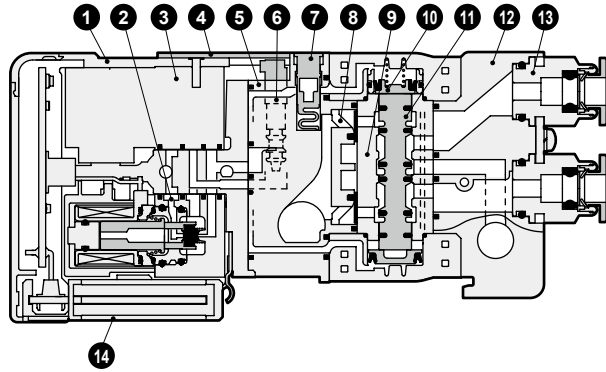
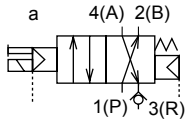
MN4E0 Series

Internal structure and parts list

4-port valve

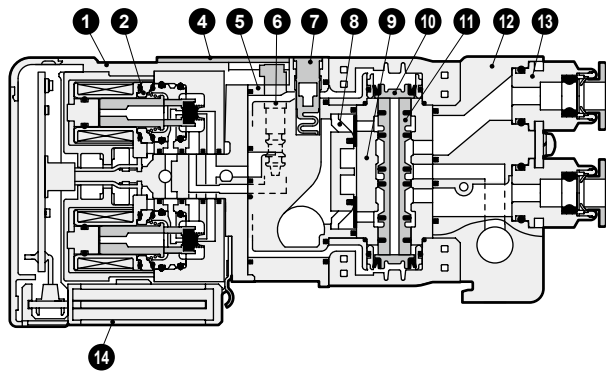
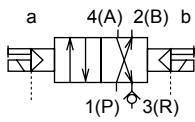
N4E010

● 2-position single self-reset (differential pressure spring return)



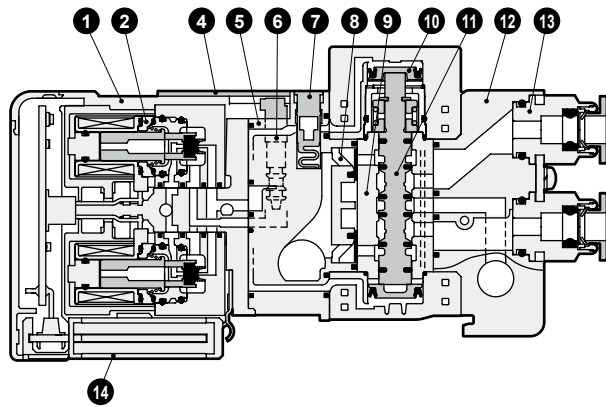
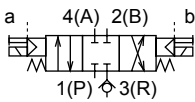
N4E020

● 2-position double self-hold



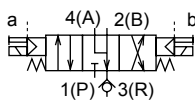
N4E030

● 3-position all ports closed



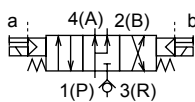
N4E040

● 3-position A/B/R connection



N4E050

● 3-position P/A/B connection



Main parts list

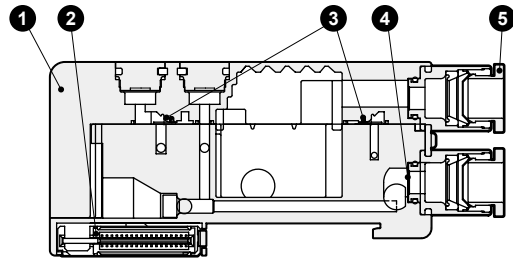
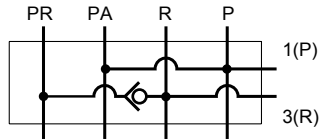
No.	Part name	Main material	No.	Part name	Main material
1	Wiring cover	PBT/PC	8	Check valve	PBT/TPU
2	Coil assembly	PPS/POM/PBT	9	Body	Aluminum
3	Coil dummy	PPS	10	Piston chamber assembly	PPS/POM
4	Manual cover	PBT	11	Spool assembly	Aluminum
5	Pilot block	PPS/PA	12	Port block	PA
6	Manual override	POM	13	Cartridge push-in fitting	-
7	Connection key	POM	14	Wiring connector assembly	LCP

Internal structure and parts list

Supply and exhaust block

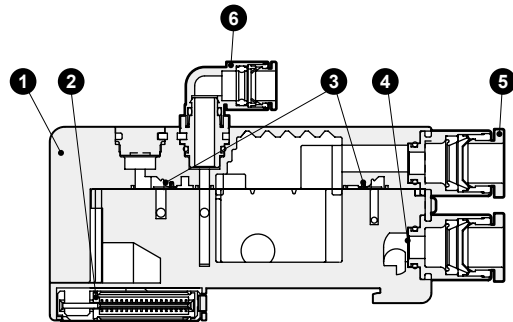
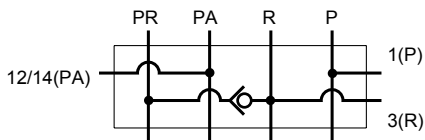
N4E0-Q

- For internal pilot



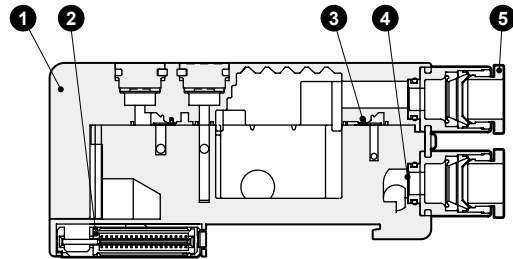
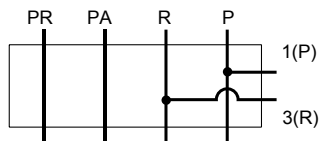
N4E0-QK

- For external pilot



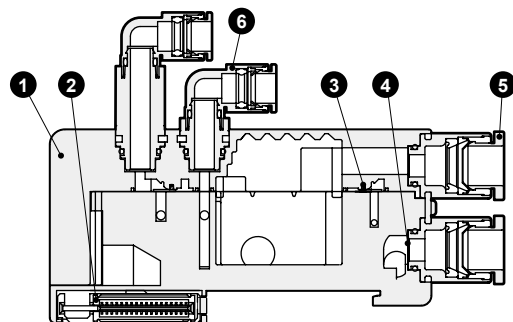
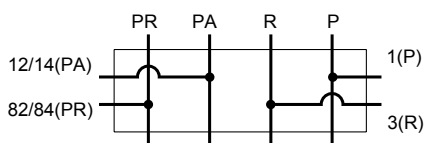
N4E0-QZ

- For multi-pressure circuit



N4E0-QKZ

- PA/PR separated for external pilot



Main parts list

No.	Part name	Main material
1	Supply and exhaust block	PA
2	Wiring connector assembly	LCP
3	Check valve	TPU
4	Air supply filter	SUS
5	Cartridge push-in fitting (main piping section)	-
6	Cartridge push-in fitting (external pilot piping section)	-

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

MN3E0/MN4E0 Series

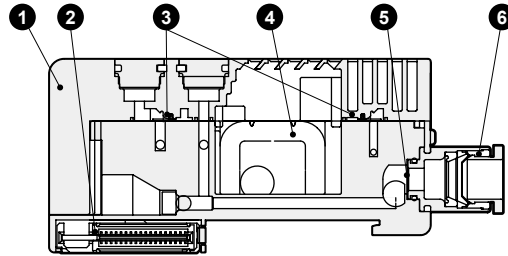
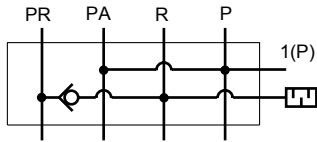
4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
4TB
4L2-4/
LMF0
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G
GMF
PV5
GMF
PV5S-0
3QR
3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/
NVP
4F*0EX
4F*0E
HNV
HSV
2QV
3QV
SKH
PCD
Silencer
TotAirSys
(Total Air)
TotAirSys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

Internal structure and parts list

Supply and exhaust block

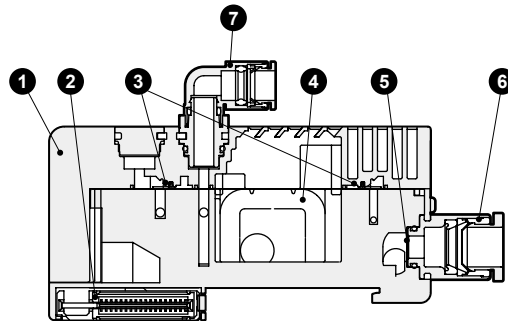
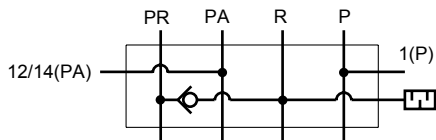
N4E0-QX

- Atmosphere release for internal pilot



N4E0-QKX

- Atmosphere release for external pilot



Main parts list

No.	Part name	Main material
1	Supply and exhaust block	PA
2	Wiring connector assembly	LCP
3	Check valve	TPU
4	Exhaust filter	-
5	Air supply filter	SUS
6	Cartridge push-in fitting (main piping section)	-
7	Cartridge push-in fitting (external pilot piping section)	-

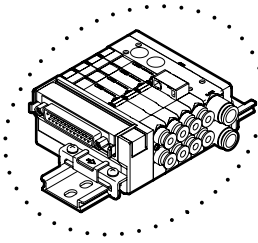
MN³₄E0-T30 Series

Reduced wiring block manifold D sub-connector

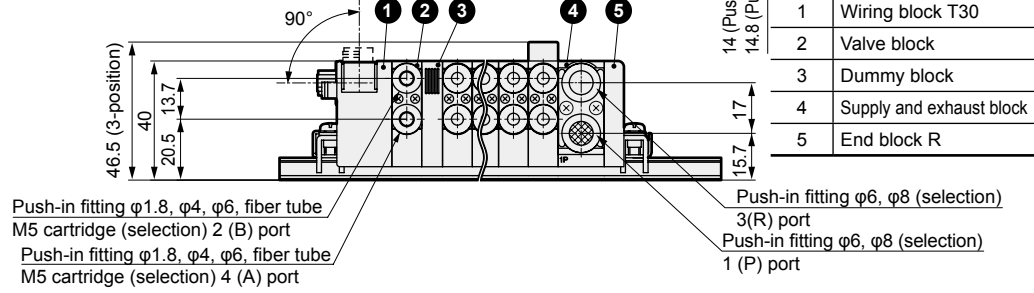
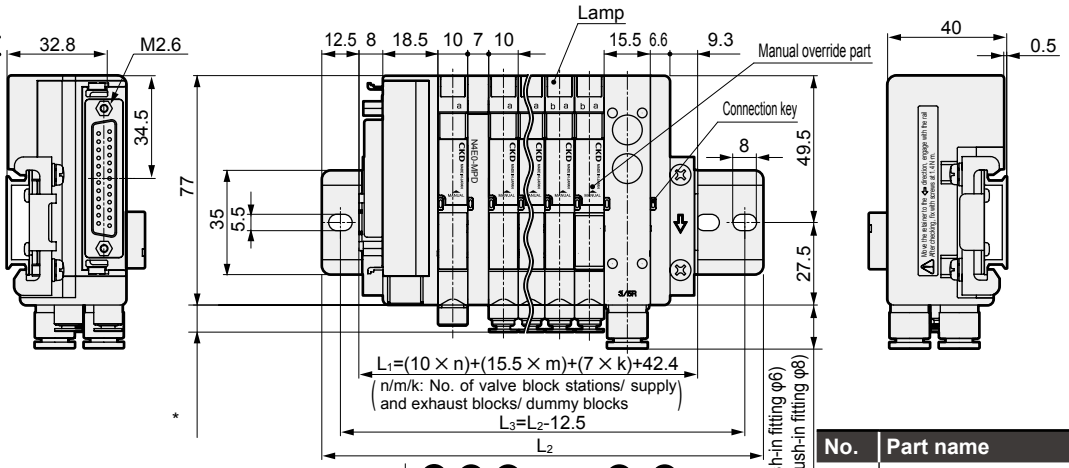
Dimensions

MN³₄E0*-T30*-**

● D sub-connector left side (T30)



* D sub-connector projection can be switched between upward and downward directions.
* For how to switch the connector direction, refer to page 819.



* Fitting dimensions	
Push-in fitting	
φ1.8	5.5
φ4	9.5
φ6	10.7
Fiber tube	8.5
M5 female thread	6.9

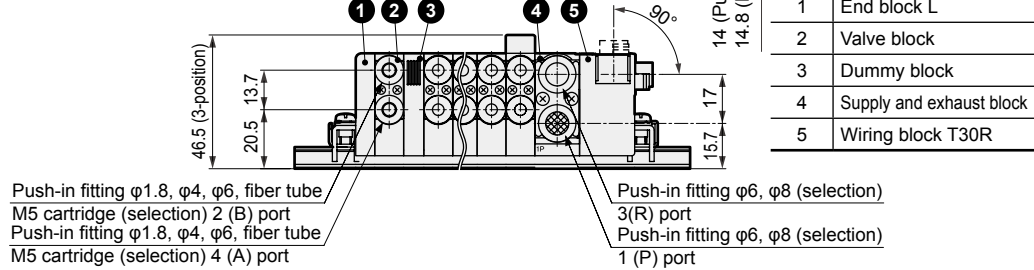
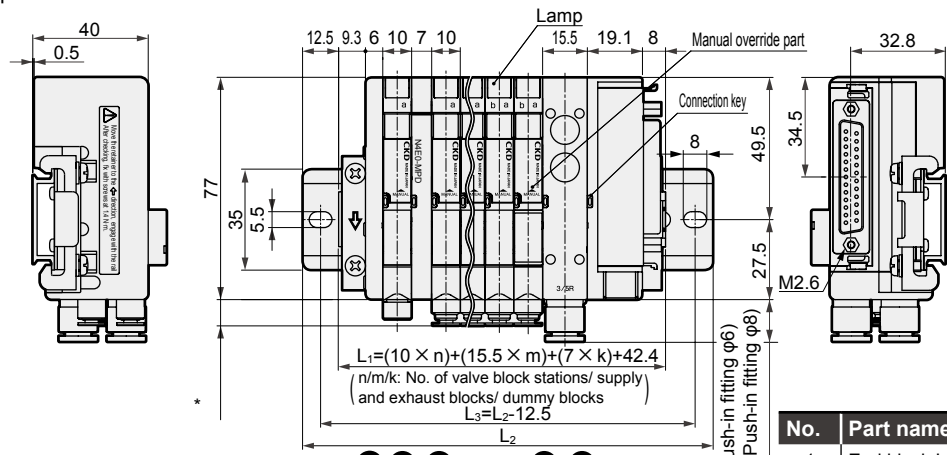
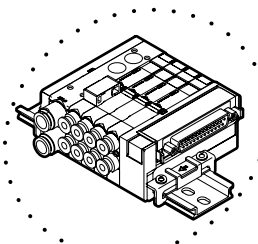
No.	Part name
1	Wiring block T30
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block R

Push-in fitting φ1.8, φ4, φ6, fiber tube
M5 cartridge (selection) 2 (B) port
Push-in fitting φ1.8, φ4, φ6, fiber tube
M5 cartridge (selection) 4 (A) port
Push-in fitting φ6, φ8 (selection)
3(R) port
Push-in fitting φ6, φ8 (selection)
1 (P) port

* For dimensions of the radial push-in fittings (upward) for valve block and for supply and exhaust block, and of the valve block with individual power supply function (AUX), refer to page 819.

MN³₄E0*-T30R*-**

● D sub-connector right side type (T30R)



* Fitting dimensions	
Push-in fitting	
φ1.8	5.5
φ4	9.5
φ6	10.7
Fiber tube	8.5
M5 female thread	6.9

No.	Part name
1	End block L
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	Wiring block T30R

Push-in fitting φ1.8, φ4, φ6, fiber tube
M5 cartridge (selection) 2 (B) port
Push-in fitting φ1.8, φ4, φ6, fiber tube
M5 cartridge (selection) 4 (A) port
Push-in fitting φ6, φ8 (selection)
3(R) port
Push-in fitting φ6, φ8 (selection)
1 (P) port

Manifold length L1 mm	76.2	88.7	101.2	113.7	126.2	138.7	151.2	163.7	176.2	188.7	201.2	213.7	226.2	238.7	251.2	263.7	276.2	288.7	301.2	313.7	326.2	338.7	351.2
or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less
Mounting rail length L2 mm	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

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

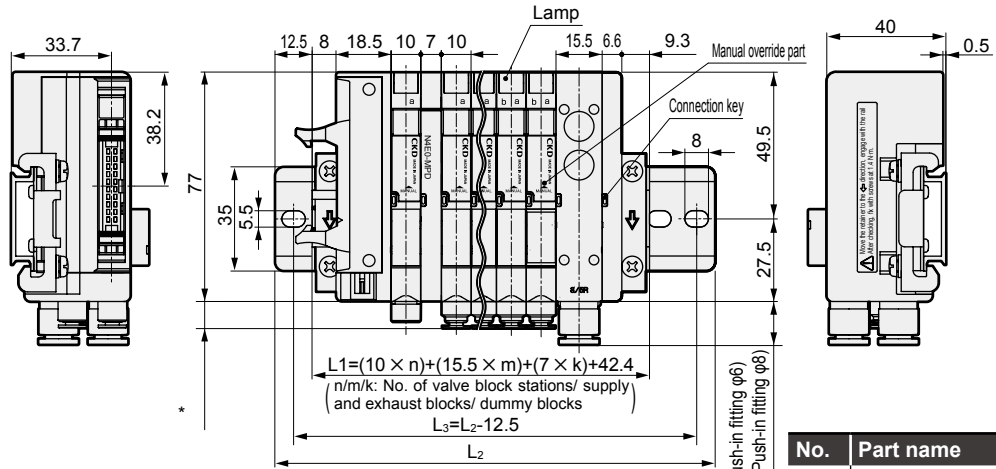
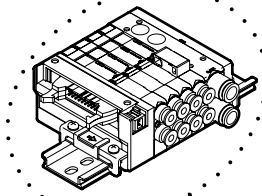
MN₄E0-T50 Series

Dimensions

MN₄E0*-*-T50*-*-*

● Flat cable connector left side (T50)

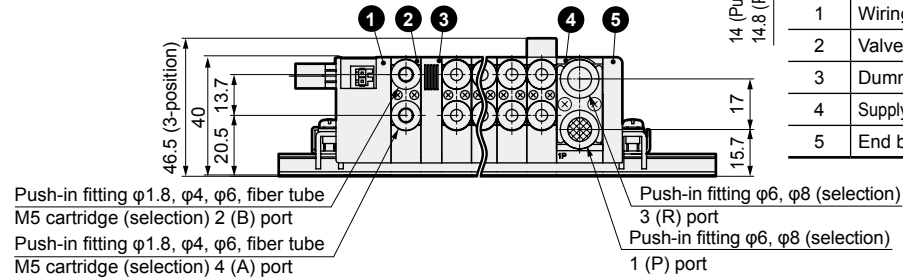
* T51, T52 and T53 are also available. Dimensions are the same as T50. Refer to page 815 for dimensions of the connector.



No.	Part name
1	Wiring block T50
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block R

* Fitting dimensions

Push-in fitting	φ1.8	5.5
	φ4	9.5
	φ6	10.7
Fiber tube		8.5
M5 female thread		6.9

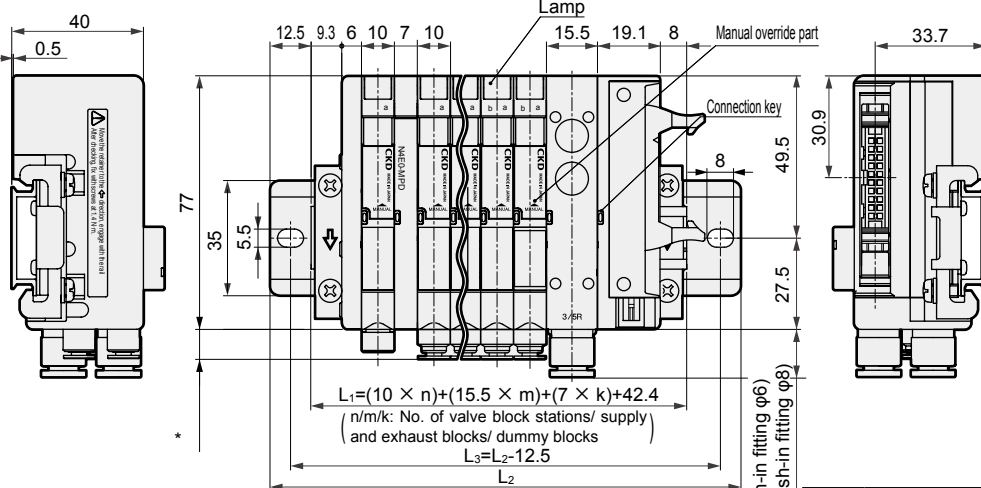
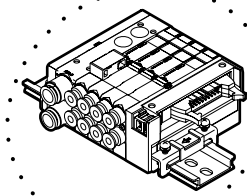


* For dimensions of the radial push-in fittings (upward) for valve block and for supply and exhaust block, and for the fitting for fiber tube, refer to page 819.

* A power feed connector can be used with T50 to supply power to the PLC output unit. Refer to page 819 on how to connect the connector, and to page 834 on how to wire and for the wiring precautions.

MN₄E0*-*-T50R*-*-*

● Flat cable connector right side (T50R)



No.	Part name
1	End block L
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	Wiring block T50R

* Fitting dimensions

Push-in fitting	φ1.8	5.5
	φ4	9.5
	φ6	10.7
Fiber tube		8.5
M5 female thread		6.9



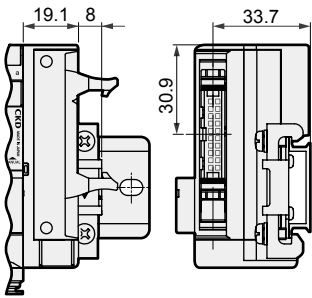
Manifold length L1 mm	76.2 or less	88.7 or less	101.2 or less	113.7 or less	126.2 or less	138.7 or less	151.2 or less	163.7 or less	176.2 or less	188.7 or less	201.2 or less	213.7 or less	226.2 or less	238.7 or less	251.2 or less	263.7 or less	276.2 or less	288.7 or less	301.2 or less	313.7 or less	326.2 or less	338.7 or less	351.2 or less
Mounting rail length L2 mm	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

Dimensions

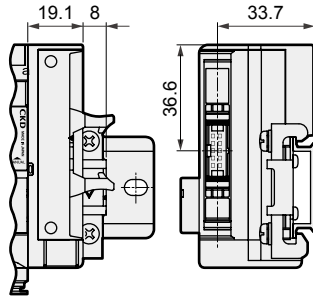
Flat cable connector (T51R/T52R/T53R): Connector dimensions

* Figure shows the right-side connector.

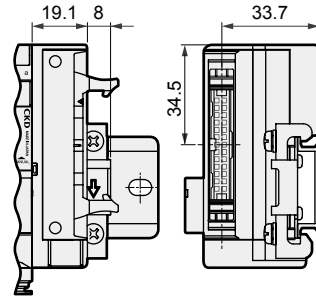
● T51R



● T52R



● T53R

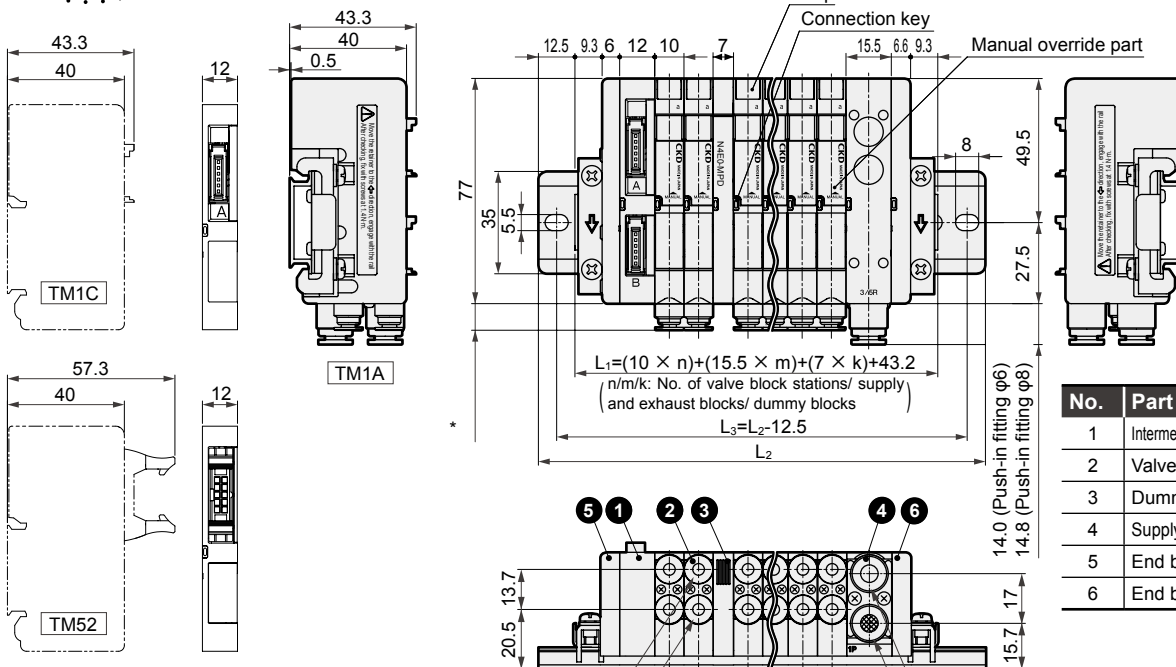
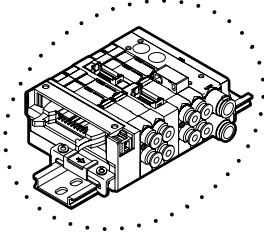


MN³₄E0*-TM1^A_C*-*

● RITS connector, intermediate wiring (TM1^A_C)

MN³₄E0*-TM52*-*

● 10-pin flat cable connector, intermediate wiring (TM52)



No.	Part name
1	Intermediate wiring block TM1A
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block L
6	End block R

* Fitting dimensions

Push-in fitting	φ1.8	5.5
	φ4	9.5
	φ6	10.7
Fiber tube		8.5
M5 female thread		6.9

Push-in fitting φ1.8, φ4, φ6, fiber tube
 M5 cartridge (selection) 2 (B) port
 Push-in fitting φ1.8, φ4, φ6, fiber tube
 M5 cartridge (selection) 4 (A) port

Push-in fitting φ6, φ8 (selection)
 3(R) port
 Push-in fitting φ6, φ8 (selection)
 1 (P) port

Manifold length L1 mm	76.2	88.7	101.2	113.7	126.2	138.7	151.2	163.7	176.2	188.7	201.2	213.7	226.2	238.7	251.2	263.7	276.2	288.7	301.2	313.7	326.2	338.7	351.2
or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less	or less
Mounting rail length L2 mm	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

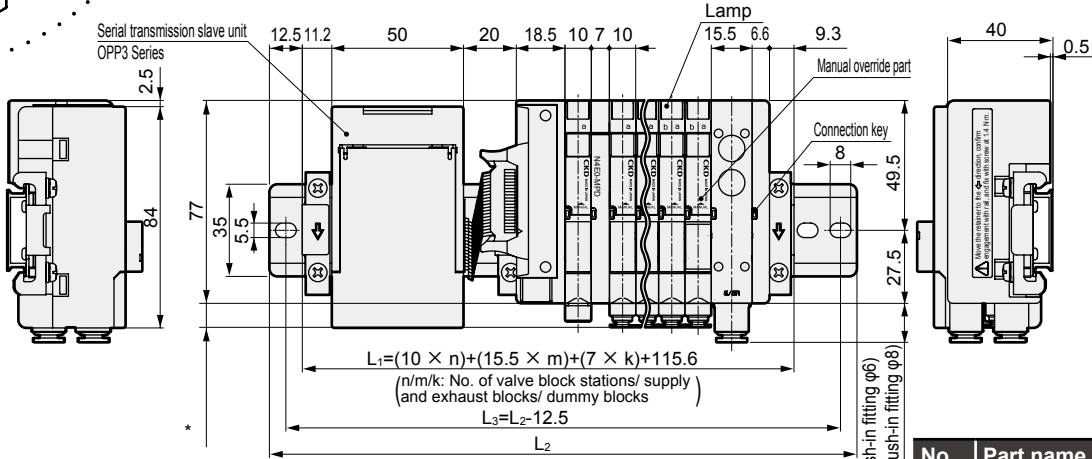
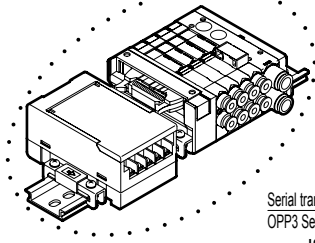
4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
4TB
4L2-4/LMFO
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G
GMF
PV5
GMF
PV5S-0
3QR
3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/NVP
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD
Silencer
TotAirSys (Total Air)
TotAirSys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

MN³₄E0-T6* Series

Dimensions

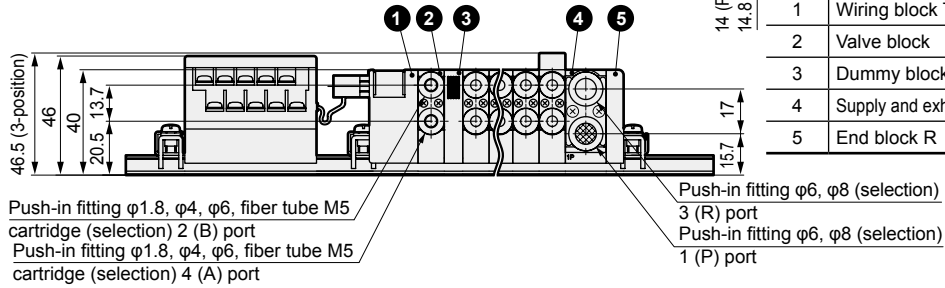
MN³₄E0*-T6**-*

● Serial transmission (T6A0/1 / T6C0/1 / T6E0/1 / T6J0/1 / T6G1)



* Fitting dimensions

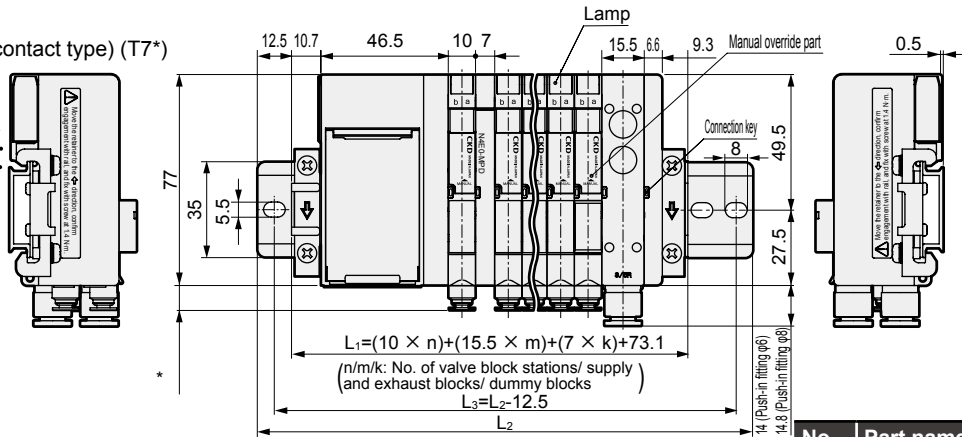
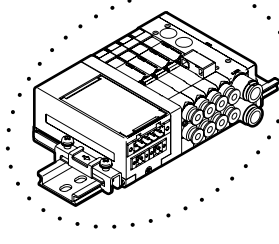
Push-in fitting	φ1.8	5.5
	φ4	9.5
	φ6	10.7
Fiber tube		8.5
M5 female thread		6.9



No.	Part name
1	Wiring block T6*
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block R

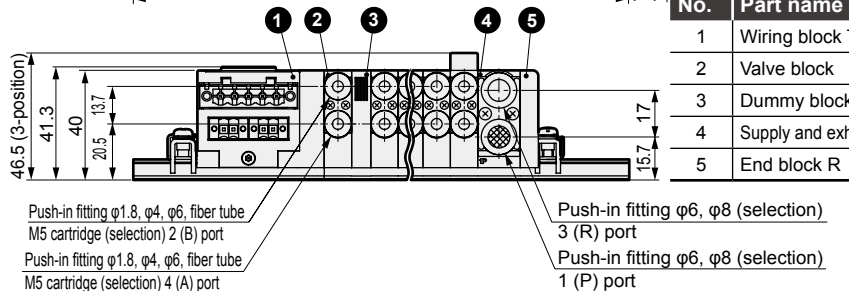
MN³₄E0*-T7**-*

● Serial transmission (close contact type) (T7*)



* Fitting dimensions

Push-in fitting	φ1.8	5.5
	φ4	9.5
	φ6	10.7
Fiber tube		8.5
M5 female thread		6.9



No.	Part name
1	Wiring block T7*
2	Valve block
3	Dummy block
4	Supply and exhaust block
5	End block R

* For dimensions of the radial push-in fittings (upward) for valve block and for supply and exhaust block, and for the fitting for fiber tube, refer to page 819.

Manifold length L1 mm	76.2 or less	88.7 or less	101.2 or less	113.7 or less	126.2 or less	138.7 or less	151.2 or less	163.7 or less	176.2 or less	188.7 or less	201.2 or less	213.7 or less	226.2 or less	238.7 or less	251.2 or less	263.7 or less	276.2 or less	288.7 or less	301.2 or less	313.7 or less	326.2 or less	338.7 or less	351.2 or less
Mounting rail length L2 mm	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

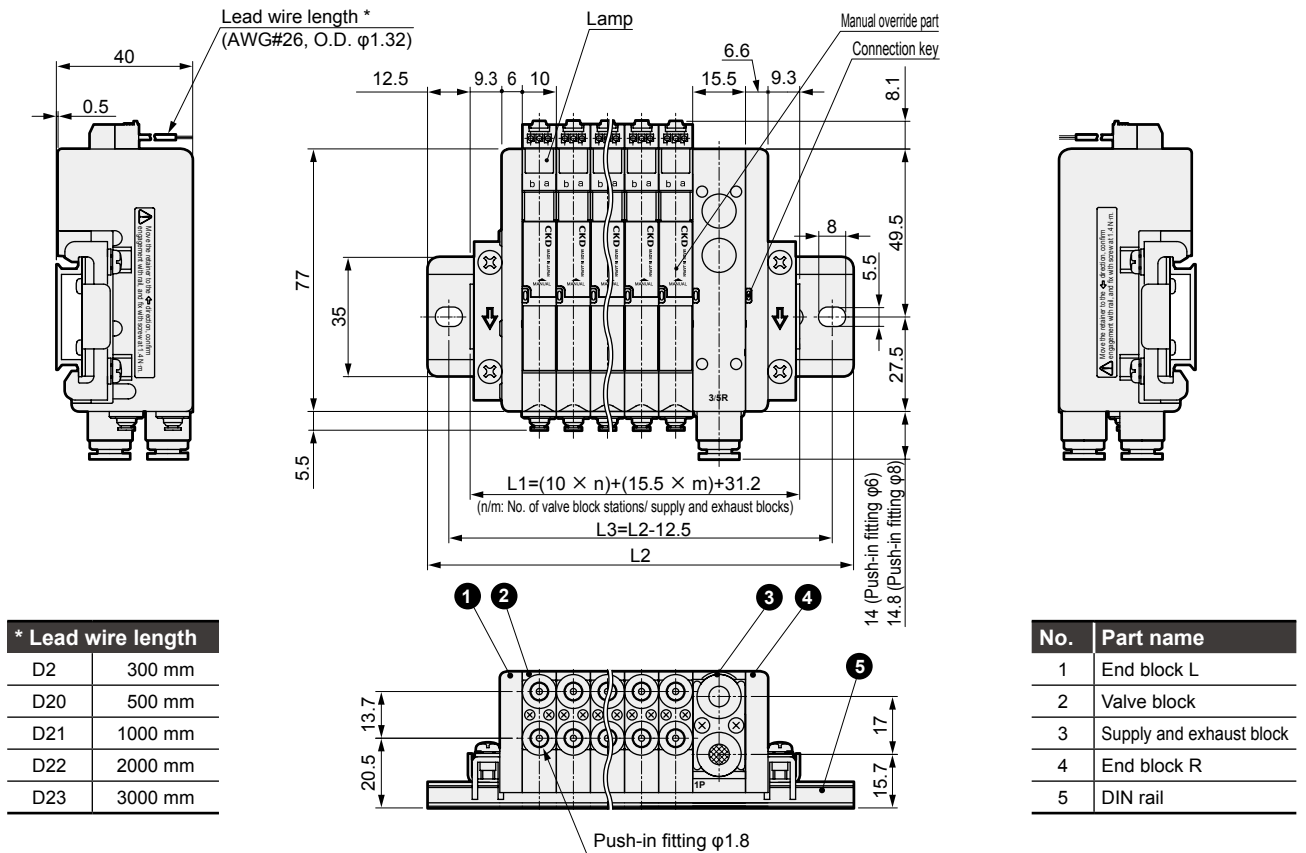
MN3E0/MN4E0 Series

Reduced wiring block manifold

Dimensions

MN₄E0*³-(D2 to D3)-*-*

- Individual wiring connector (D2/D20/D21/D22/D23/D2N/D3)



* Figure shows the φ1.8 push-in fitting lateral type (C18).

Manifold length L1 mm	63.7 or less	76.2 or less	88.7 or less	101.2 or less	113.7 or less	126.2 or less	138.7 or less	151.2 or less	163.7 or less	176.2 or less	188.7 or less	201.2 or less	213.7 or less	226.2 or less	238.7 or less	251.2 or less	263.7 or less	276.2 or less	288.7 or less	301.2 or less	313.7 or less	326.2 or less	338.7 or less	351.2 or less
Mounting rail length L2 mm	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375
Mounting rail pitch L3 mm	75	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5

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

MN3E0/MN4E0 Series

Dimensions

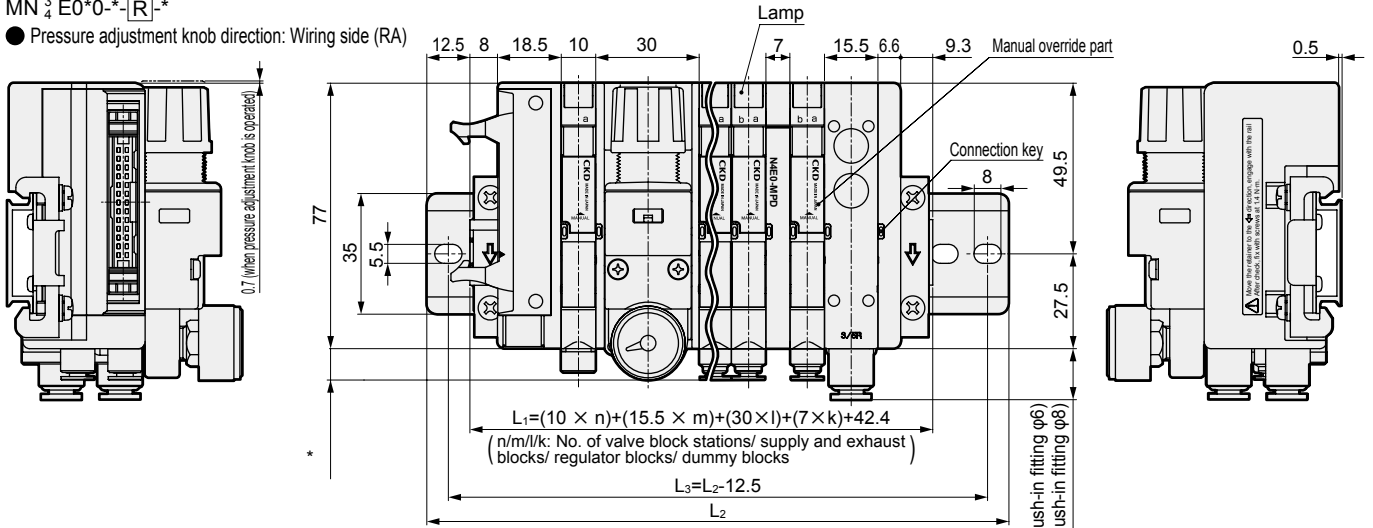
- 4GA/B
- M4GA/B
- MN4GA/B
- 4GA/B (mastr)
- 4GD/E
- M4GD/E
- MN4GD/E
- 4GA4/B4
- MN3E**
- MN4E**
- W4GA/B2
- W4GB4
- 4TB
- 4L2-4/LMF0
- MN3S0
- MN4S0
- 4SA/B0
- 4KA/B
- 4KA/B (mastr)
- 4F
- 4F (mastr)
- PV5G
- GMF
- PV5
- GMF
- PV5S-0
- 3QR
- 3QB
- MV3QR
- 3MA/B0
- 3PA/B
- P/M/B
- NP/NAP/NVP
- 4F*0EX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

● Piping blocks (common for all types)

Regulator block

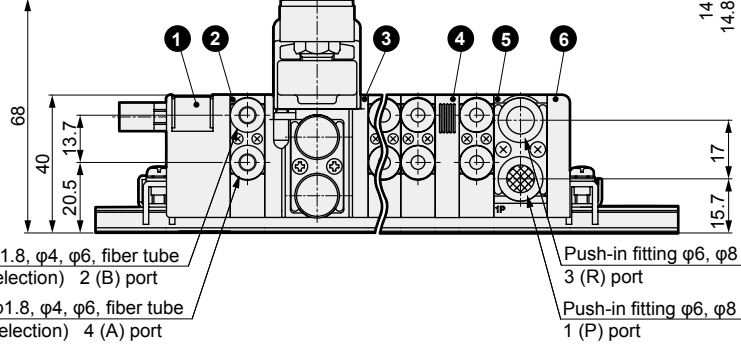
MN₃E0*0-**[R]**-*

● Pressure adjustment knob direction: Wiring side (RA)



*** Fitting dimensions**

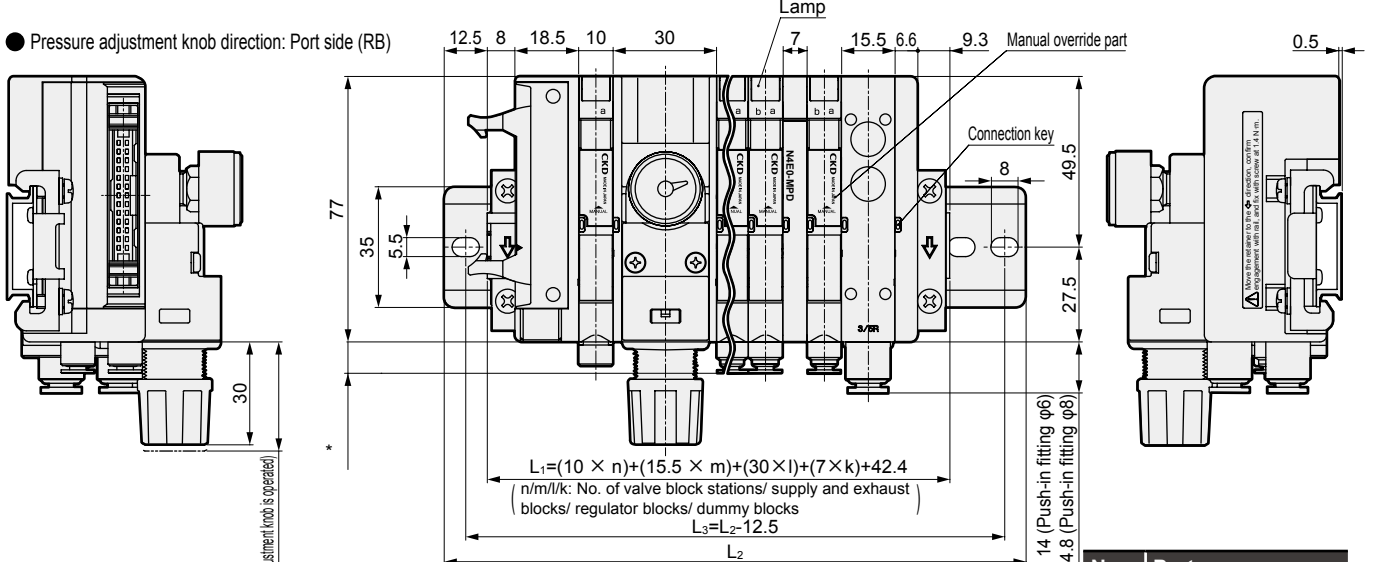
Push-in fitting	φ1.8	5.5
	φ4	9.5
	φ6	10.7
Fiber tube		8.5
M5 female thread		6.9



No.	Part name
1	Wiring block T5*
2	Valve block
3	Regulator block
4	Dummy block
5	Supply and exhaust block
6	End block R

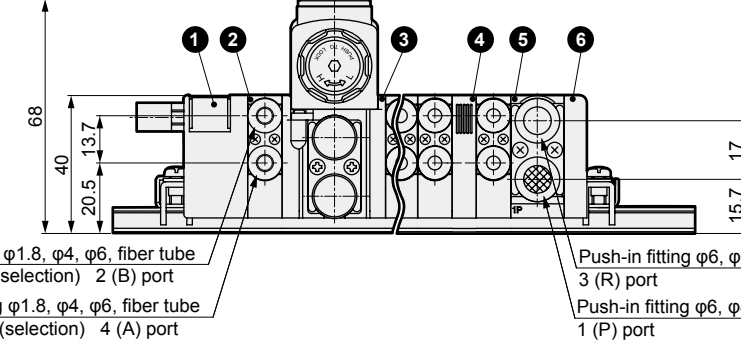
Push-in fitting φ1.8, φ4, φ6, fiber tube
M5 cartridge (selection) 2 (B) port
Push-in fitting φ1.8, φ4, φ6, fiber tube
M5 cartridge (selection) 4 (A) port
Push-in fitting φ6, φ8 (selection)
3 (R) port
Push-in fitting φ6, φ8 (selection)
1 (P) port

● Pressure adjustment knob direction: Port side (RB)



*** Fitting dimensions**

Push-in fitting	φ1.8	5.5
	φ4	9.5
	φ6	10.7
Fiber tube		8.5
M5 female thread		6.9



No.	Part name
1	Wiring block T5*
2	Valve block
3	Regulator block
4	Dummy block
5	Supply and exhaust block
6	End block R

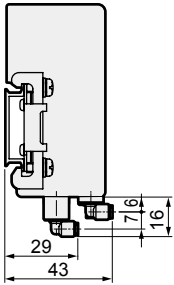
Push-in fitting φ1.8, φ4, φ6, fiber tube
M5 cartridge (selection) 2 (B) port
Push-in fitting φ1.8, φ4, φ6, fiber tube
M5 cartridge (selection) 4 (A) port
Push-in fitting φ6, φ8 (selection)
3 (R) port
Push-in fitting φ6, φ8 (selection)
1 (P) port

Dimensions

● Piping blocks (common for all types)

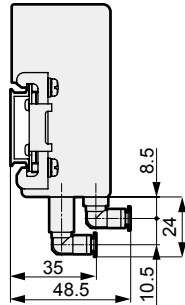
Push-in fitting (upward)
for fiber tube

● $\phi 1.8$ (CL18)

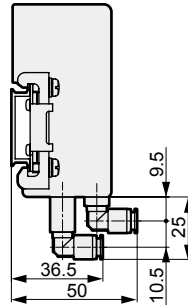


Valve block
radial push-in fitting (upward)

● $\phi 4$ (CL4)

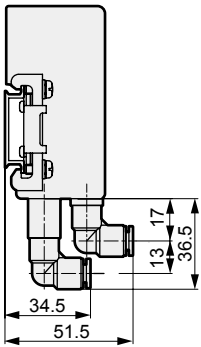


● $\phi 6$ (CL6)

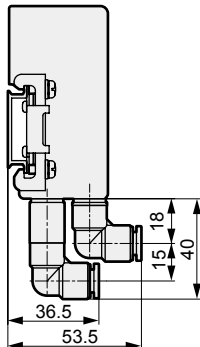


Supply/exhaust block
radial push-in fitting (upward)

● $\phi 6$ (CL6)

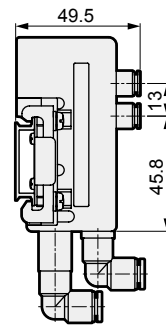


● $\phi 8$ (CL8)

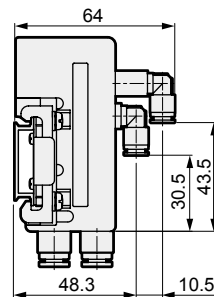


Supply and exhaust block for external pilot

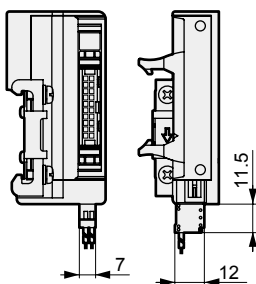
● Upward piping



● Lateral piping



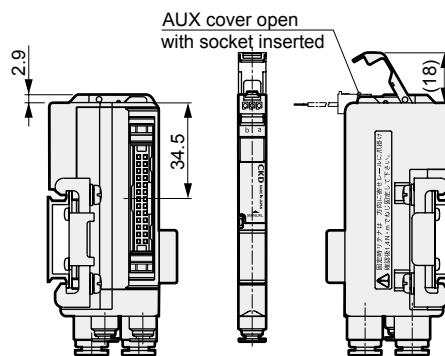
● Dimensions with T50 power supply connector



Feed connector
(Attached with product)

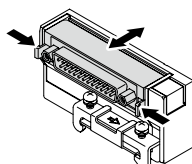


● Built-in individual power supply function (AUX)

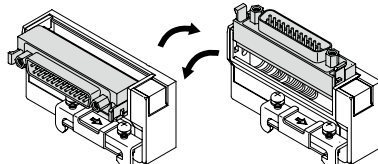


● D sub-connector (T30/T30R): How to switch the connector direction

Usage in a horizontal state

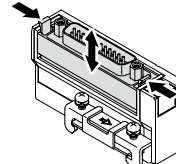


Hold the lever and pull the connector out horizontally. Push in the connector horizontally for storage. (Must be fixed.)



Rotate the connector. Fix the connector in the horizontal or vertical state during use.

Usage in a vertical state



Hold the lever and pull the connector out vertically. Push in the connector horizontally for storage. (Must be fixed.)

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