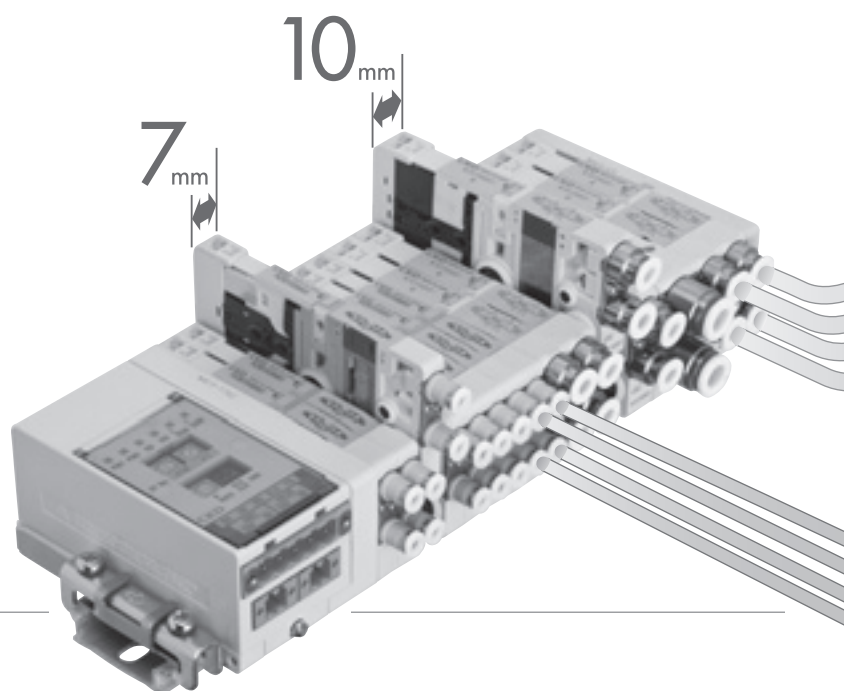
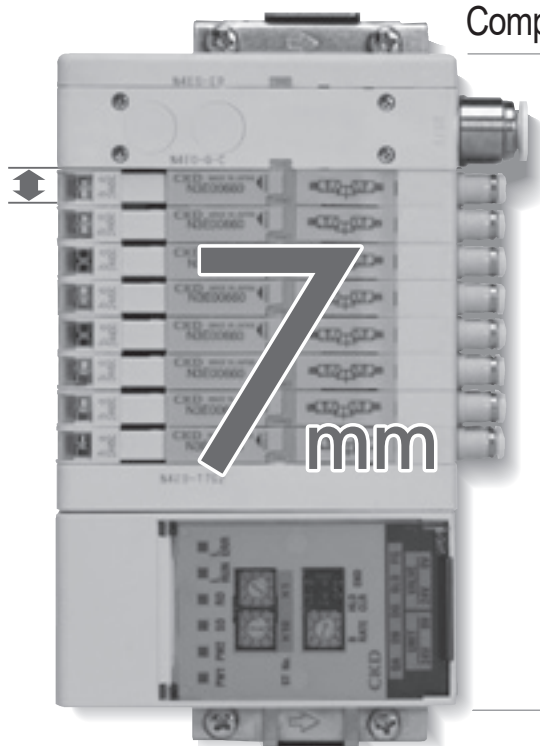


Introducing pilot operated solenoid valve manifold

Compact/reduced wiring 3, 4-port valve block manifold MN3/4E



NEW MN3/4E00 Series



Compact, space saving and low power consumption



Environmental conservation RoHS

Lighter weight and reduced material usage by downsizing/energy saving. We were among the earliest to reduce chemical substances affecting the environment, including lead-free solder and materials compatible with JIG-101A level A.



Compact/space saving NEW

Introducing MN3/4E00 series of 7 mm valve block width and 7 mm pitch manifold in addition to the MN3/ 4E0 series of 10 mm valve block width type.

Use the compact 7 mm pitch manifold to downsize the system and increase density.



Energy saving NEW

MN3/4E0 series : 0.6W

MN3/4E00 series : 0.4W

With energy saving (Option E), it further reduces power consumption.

* Values in () apply when lamp is included.

MN3/4E0 series	MN3/4E00 series
0.6w	0.4w
Option E	Option E
0.3w	0.22w



ø3 push-in fitting is available NEW

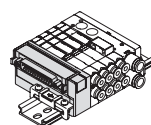
Along with reduction of piping volume and ensuring flow rate, it supports ø3 tubes, as well as ø1.8 tubes and contributes to the space saving of tube piping.



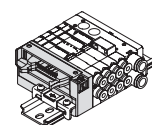
Variety

A wide range of electrical connections and options

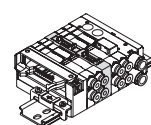
A wide range of electrical connections such as serial transmission corresponding to various connectors and networks are available. Easy pluggable regulator blocks are also available.



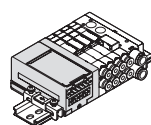
D sub-connector



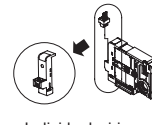
Flat cable connector



Intermediate wiring block



Serial transmission



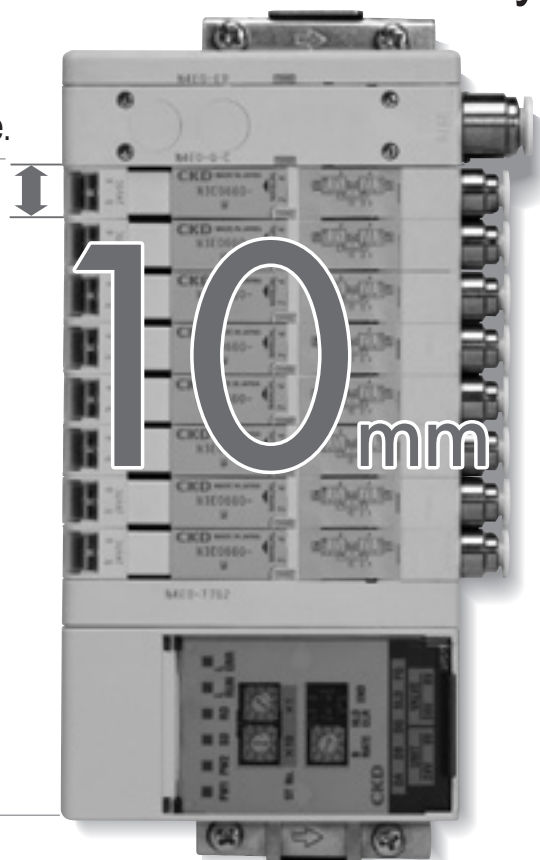
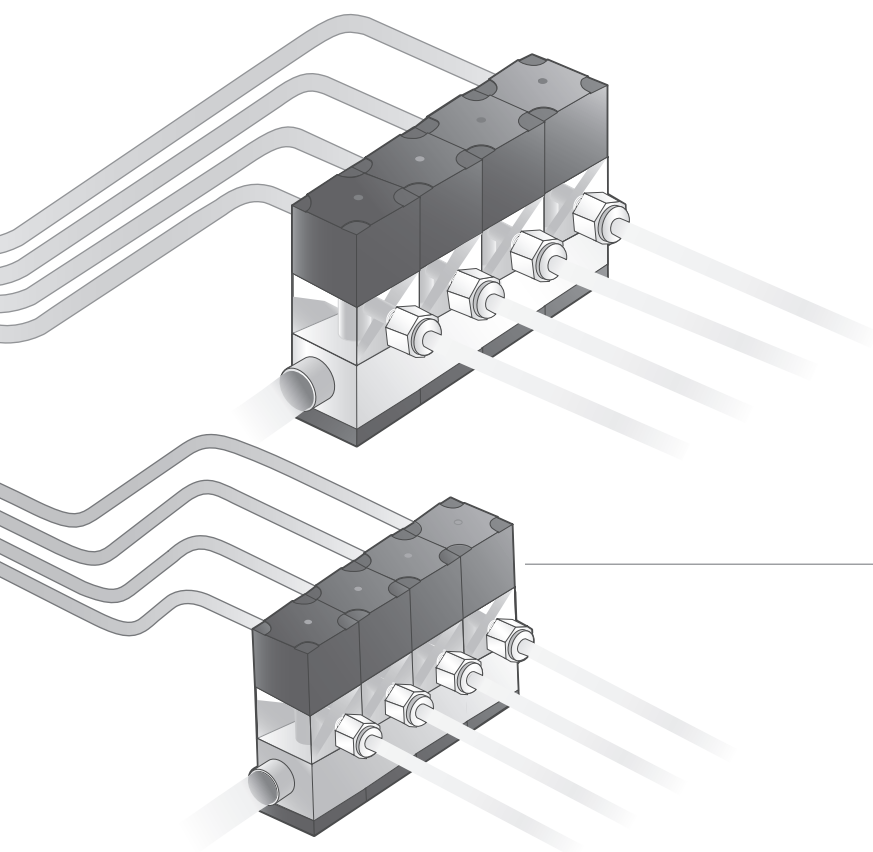
Individual wiring (7 mm, 10 mm)



Individual wiring is also available in MN3/4E00 Series!!

of 7 mm pitch, maintaining high performance and safety

series that is highly integrated/space-saving & high performance.



MN3/4E0 Series



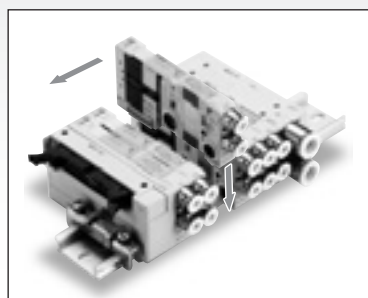
High performance block manifold with excellent response. Compared to conventional models, space saving of approx. 50%.

HIGH SPEC

High performance

- 12 ms response for balancing ports A and B.
(Our data value with N3D0 two 3-port valves integrated)
- Cumbersome wiring work is not required
By connector connections, wiring is completed at the same time as assembling.
The regularity of the connector pin array remains undisturbed by electrical connections from both the left and right wiring blocks or by an increase or decrease in the valves.

Assembly structure

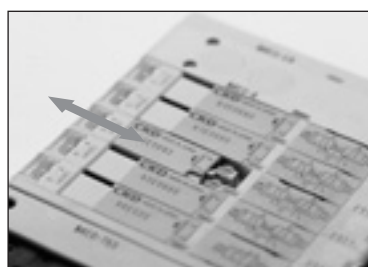


SAFETY

Safety

- Prevents malfunctions
Exhaust check valve, manual override cover to prevent misoperation and air supply filter to prevent entry of foreign matter are provided as standard.
Pursuing safety to prevent valve malfunction.

Manual cover



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

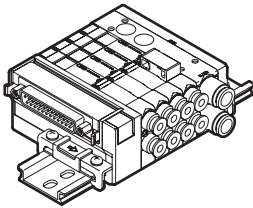
A wide range of wiring options

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

Wiring has been simplified to improve usability.

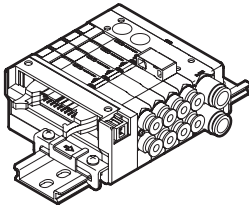
MN4E0 4E00

● D-sub-connector (N4E0-T30(N))



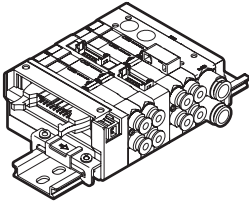
Connector used for T30 wiring, called a D-sub-connector, is used widely for FA and OA devices. 25P in particular is also an RS-232-C Standards designated connector, used for personal computer communication.

● Flat cable connector (N4E0-T5*)



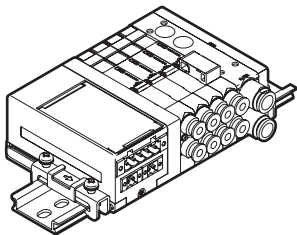
Connectors used for T5* wiring complies with MIL Standards (MIL-C-83503). Wiring work is simplified with the pressure welded flat cable. Pin numbers are assigned differently based on the PLC manufacturer, but the function assignment is the same.

● Intermediate wiring block (N4E0-TM*)



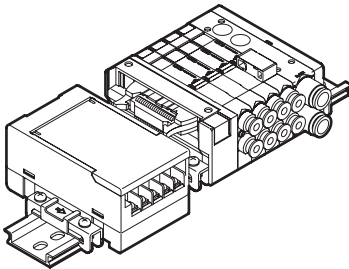
Reduced wiring connection to the center of the manifold is possible. 10P flat cable connector and 6P RITS connectors are available.

● Serial transmission (close contact) (N4E0-T7*)



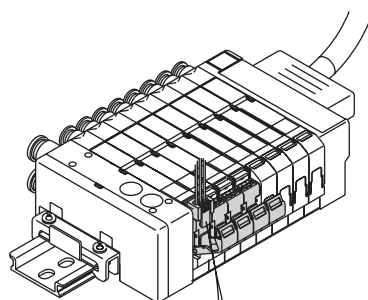
T7D1 T7D2	DeviceNet compatible (16 points, 32 points)
T7G1 T7G2	CC-Link compatible (16 points, 32 points)
T7N1 T7N2	S-LINK V compatible (16 points, 32 points)
T7EC1 T7EC2 T7ECT1 T7ECT2	EtherCAT (16 points, 32 points)

● Serial transmission (N4E0-T6G1)



T6G1	CC-Link compatible (16 points)
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● Type with individual power supply function (AUX) (MN3E0/MN4E0 Series only)



Handy for equipment adjustments!!

Any arbitrary valve can be operated with separate power without disconnecting wiring.

Individual external input is possible even with the reduced wiring manifold. Individual valve operation is possible without stopping the system.

Any arbitrary valve can be operated alone with an external power supply while common wiring is connected. Compact design that keeps the same height.

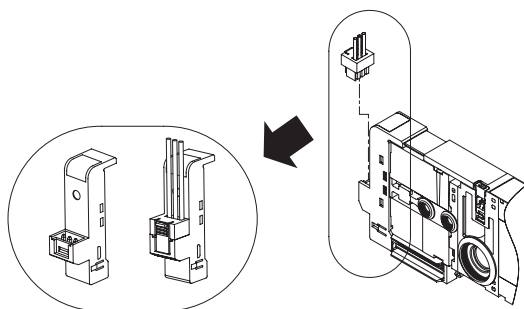
● Application examples

Effective for equipment adjustment at startup or to facilitate maintenance.

Electrically operate any arbitrary valve without disconnecting the wiring. Electrically cut off any arbitrary valve without disconnecting the wiring.

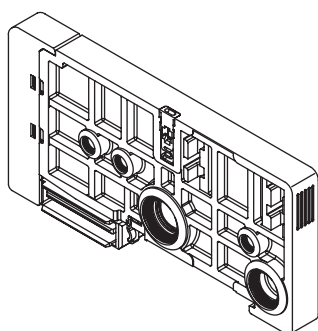
* The valve is cut off from the wiring in the manifold when the external input socket is inserted, so this can also be used as a temporary individual cut-off switch.

● Individual wiring system



Inputs can be made individually from another system, independent from the common wiring using a reduced wiring system.

● Dummy block



Install a dummy block of appropriate wiring specifications if more valve blocks are to be added in the future: this will enable addition (replacement) of valve blocks without changing the reduced wiring signal assignment.

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