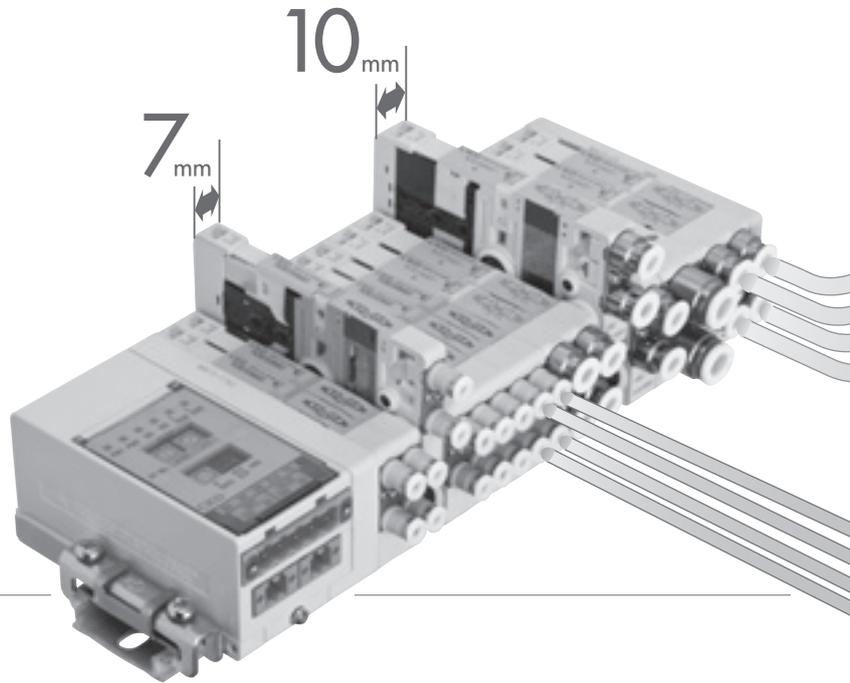
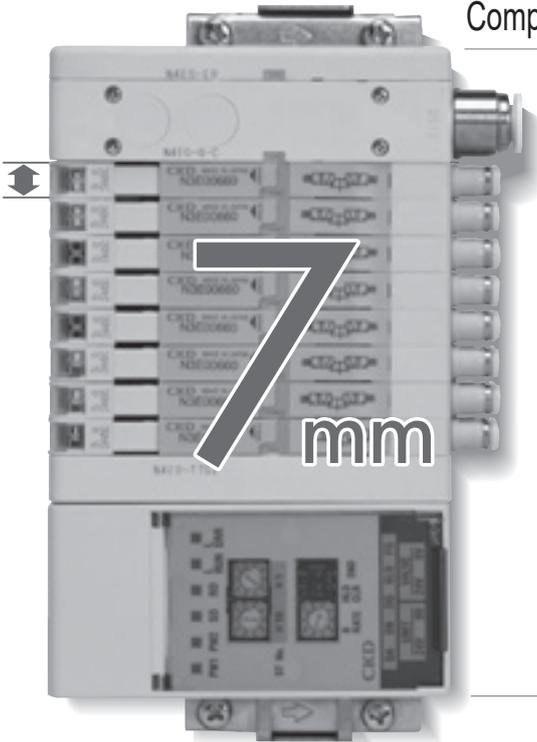


Introducing pilot operated solenoid valve manifold of

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



NEW MN3/4E00 Series



Compact, space-saving, and low power consumption design

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.

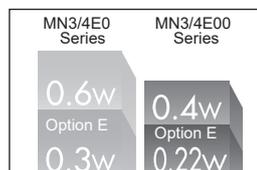
Compact/space saving NEW

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 the density.

ECO Energy saving NEW

MN3/4E0 Series: 0.6 W
 MN3/4E00 Series: 0.4 W
 Power saving (Option E) further reduces power consumption.



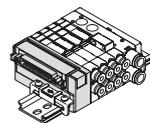
* Value for models with a lamp.

Ø3 Ø3 push-in fitting is available NEW

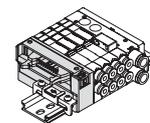
Along with reduction of piping volume and ensuring flow rate, it supports Ø3 tubes, as well as Ø1.8 tubes and contributes to the space saving of tube piping.

Variety

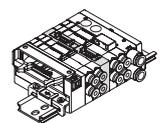
A wide range of electrical connections and options
 A wide range of electrical connections such as serial transmission corresponding to various connectors and networks are available.



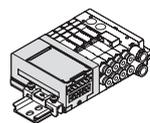
D sub-connector



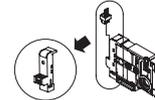
Flat cable connector



Intermediate electrical block



Serial transmission



Individual wiring (7 mm, 10 mm)

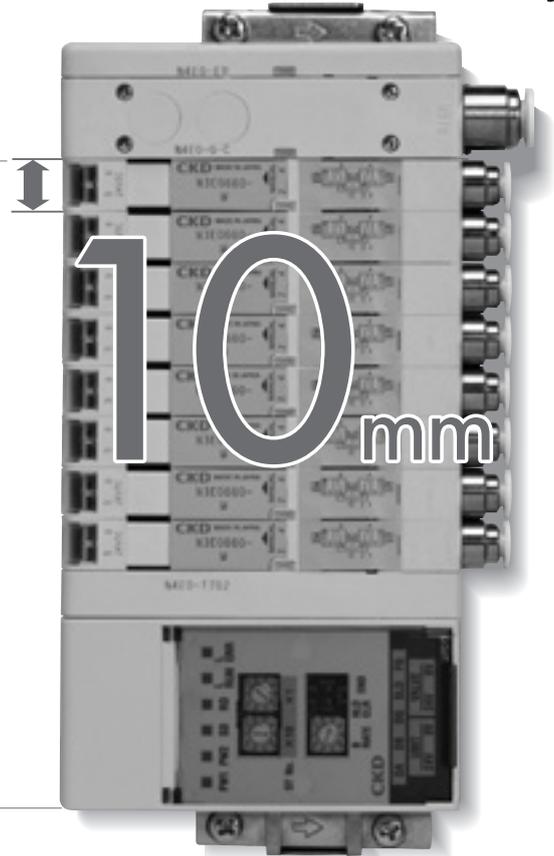
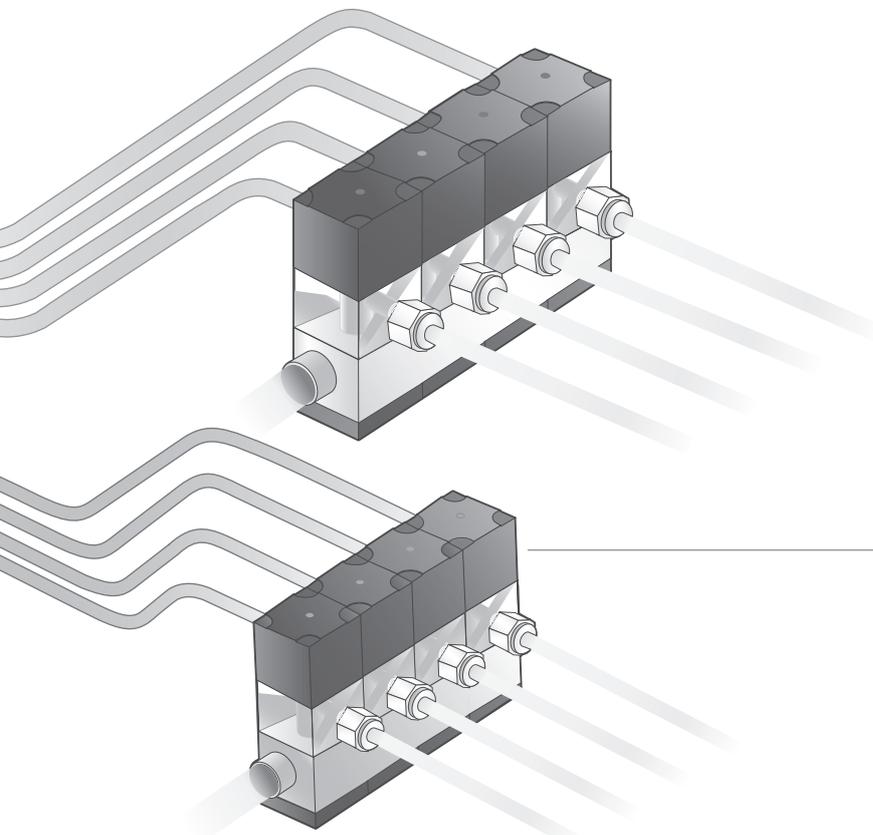


Individual wiring is also available in MN3/4E00 Series!!

- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG
- LCX
- STM
- STG
- STR2
- MRL2
- GRC
- Cylinder switch
- MN3E MN4E**
- 4GA/B
- M4GA/B
- MN4GA/B
- F.R (module unit)
- Clean F.R
- Precision R
- Press gauge Diff. press gauge
- Electro-pneumatic R
- Speed controller
- Auxiliary valve
- Fitting/tube
- Clean air unit
- Pressure sensor
- Flow rate sensor
- Valve for air blow
- Ending

7 mm pitch, maintaining high performance and safety

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



MN3/4E0 Series



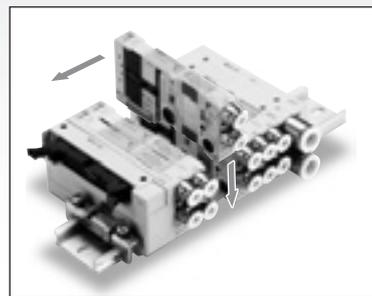
High performance block manifold with excellent response. Compared to conventional models, space saving of approx. 50%.

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

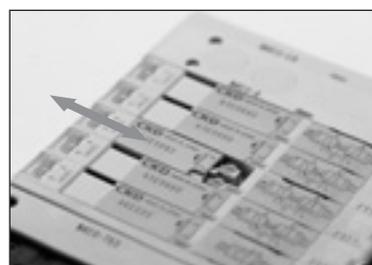


SAFETY

Safety

- Preventing malfunction
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



SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E
MN4E
4GA/B
M4GA/B
MN4GA/B
F.R. (module unit)
Clean F.R
Precision R
Press gauge
Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending

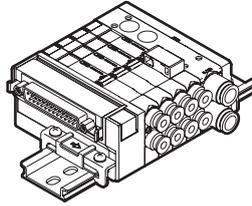
A wide range of wiring options

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder switch
MN3E
MN4E
4GA/B
M4GA/B
MN4GA/B
F.R (module unit)
Clean F.R
Precision R
Press gauge
Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending

Wiring has been simplified to improve usability.

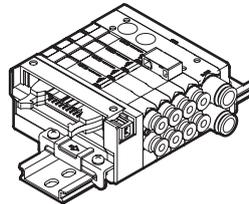
MN4E0 4E00

● D sub-connector (N4E0-T30 (N))



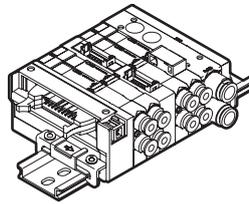
Connectors used for T30 wiring, called a D sub-connector, is used widely for FA and OA devices. The 25P in particular is also an RS-232-C Standards designated connector, used for personal computer communication.

● Flat cable connector (N4E0-T5*)



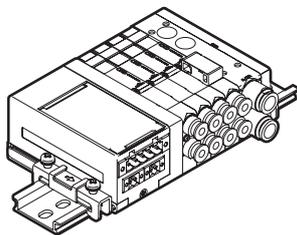
Connectors used for T5* wiring complies with MIL Standards (MIL-C-83503). Wiring work is simplified with the pressure welded flat cable. Pin numbers are assigned differently based on the PLC maker, but the function assignment is the same.

● Intermediate wiring block (N4E0-TM*)

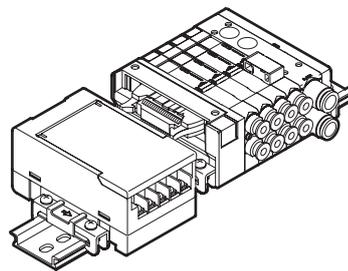


A reduced wiring connection can be made to the center of the manifold. The 10P flat cable connector and 6P RITS connector are available.

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



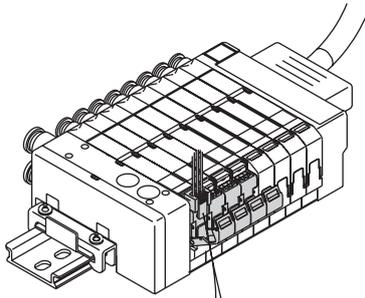
● Serial transmission (N4E0-T6G1)



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)
T7EN1 T7EN2	EtherNet/IP (16 points, 32 points)

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



Handy for adjusting devices!!

Random 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

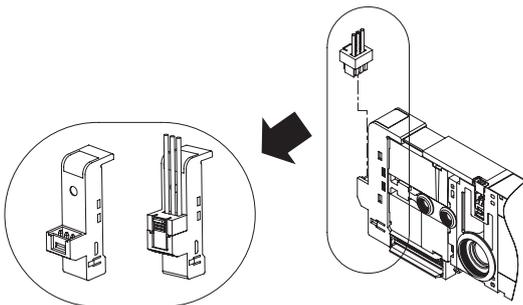
Effective for equipment adjustment at startup or to facilitate maintenance.

Electrically operate a random valve without disconnecting wiring.

Electrically cut off any arbitrary valve without disconnecting the wiring.

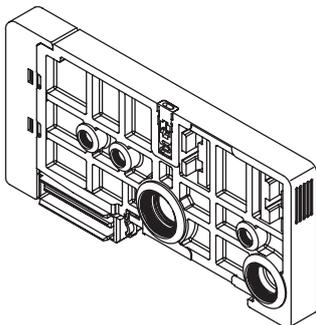
* The valve is cut off from the wiring in the manifold when the external input socket is inserted, so this can also be used as a temporary individual cut-off switch.

● Individual wiring system



Inputs can be made from 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 added in future. This will enable the addition (replacement) of valve blocks without changing the reduced wiring signal assignment.

SCPD3

SCM

SSD2

MDC2

SMG

LCM

LCR

LCG

LCX

STM

STG

STR2

MRL2

GRC

Cylinder Switch

**MN3E
MN4E**

4GA/B

M4GA/B

MN4GA/B

F.R. (module unit)

Clean F.R

Precision R

Press gauge
Diff. press gauge

Electro-pneumatic R

Speed controller

Auxiliary valve

Fitting/tube

Clean air unit

Pressure sensor

Flow rate sensor

Valve for air blow

Ending