

# N\*P51\* Series

## Technical data ① How to disassemble/assemble block manifold

**⚠ CAUTION:** Be sure to turn power OFF and release pressure before increasing or decreasing the manifolds.

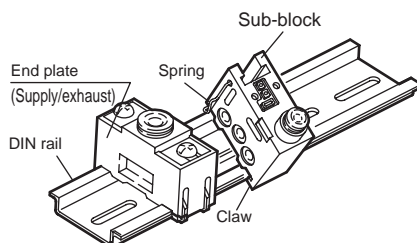
### N51 Series

#### Assembling the block manifold

- (1) Fix the DIN rail. (Place the unit in as flat a location as possible)
- (2) Install and fix one of the end plates (air supply or exhaust) onto the rail.
- (3) For as many stations as necessary, install the sub-blocks and midway air supply (or exhaust) blocks in order onto the rail and slide to integrate.
- (4) Install and fix the other end plate.
- (5) Install the solenoid valve on the sub-block. (The solenoid valve is installed on the sub-block at shipment.)
- (6) Perform wiring and piping to complete the work.

#### Mounting each sub-block

First hook the fixation claws onto the DIN rail and press the side with the movable claws (springs). Once installation onto the rail has been completed, slide towards the end plate side and press down so that there are no gaps.



#### Removing the end plate

- (1) Loosen the screws by 2 or 3 rotations and slide by 3 mm or more.
- (2) Open the claws and remove.

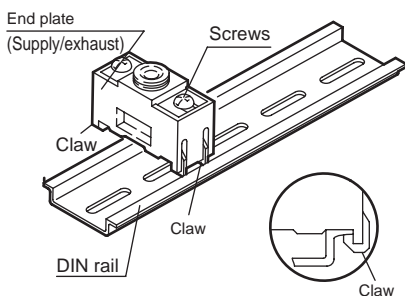
#### Removing sub-blocks and intermediate blocks

- (1) Loosen the screws of the end plate by 2 or 3 rotations and slide by 3 mm or more.
- (2) Remove from the side with the movable claws (springs).

\* Not removable without sliding the end plate.

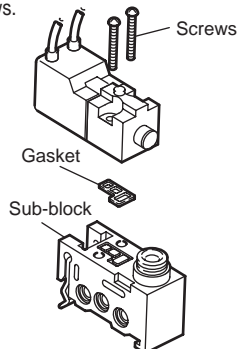
#### Installing the end plate

As illustrated in the diagram, hook the claws onto both sides and temporarily fasten the screws. (Fully tighten the screws after installation of the sub-blocks)



#### Mounting the solenoid valve

Together with the specially designed gasket, tighten with the screws.



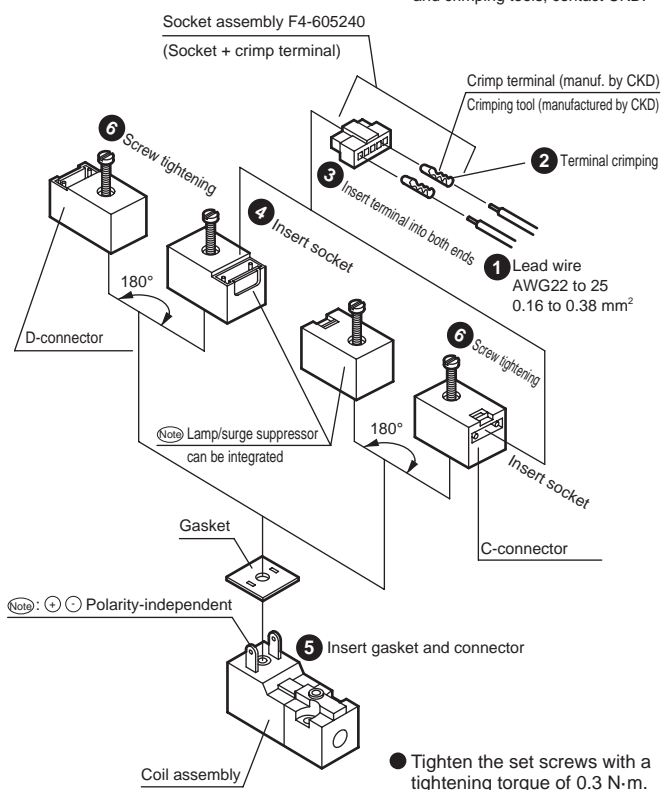
#### Tubes to use with piping

As the push-in fitting used for the block manifold will retain the O.D. of the tube for piping, use a CKD soft nylon tube, urethane tube, new urethane tube, flame-resistant tube, or a tube having the same O.D. dimensions and thickness with tubing material of hardness 93° or above. If a tube that does not satisfy the above specifications is used, the tube may dislocate or may be difficult to insert.

#### C-D-connector wiring method

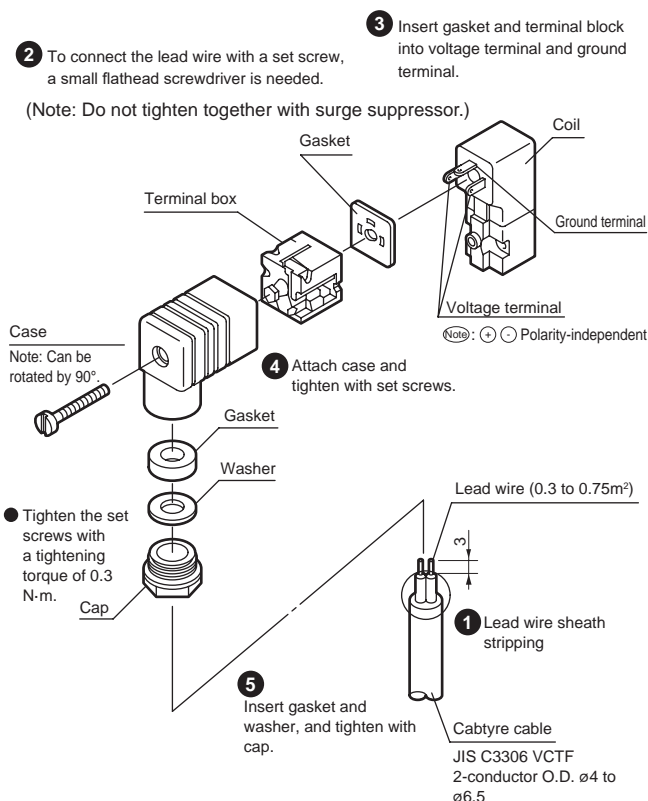
Wire with steps ① to ⑥.

\* For the details of crimp terminals and crimping tools, contact CKD.



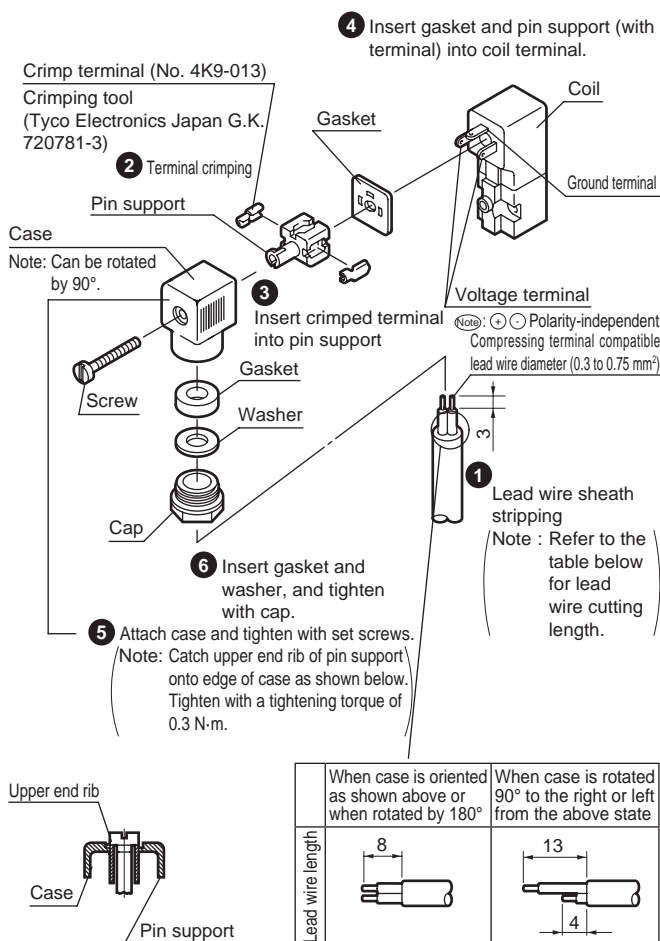
#### Compact terminal box with lamp wiring method

Wire with steps ① to ⑤.



### Compact terminal box (B) wiring method

Wire the compact terminal box (B) by following the steps of ① to ⑥ with reference to the figure below.



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