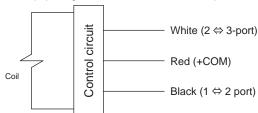
3QRA/3QRB Series

2-position single (self-hold)

[Input signal and solenoid valve status]

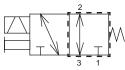


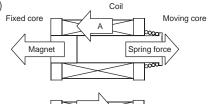
[Energization and solenoid valve status]

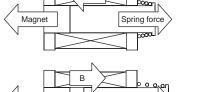
[Operational principle]

(1) Energized to red and black (Green indicator lamp on)

(2) Energized to red and white (Red indicator lamp on)







Spring force

Magnet

[Energized to red and black]

The coil force is in the A direction, causing the magnet force + coil force A to exceed the spring force: thus, the fixed core and moving core will adhere.

(Even if power is shut OFF, it will remain adhered.)

[Energized to red and white]

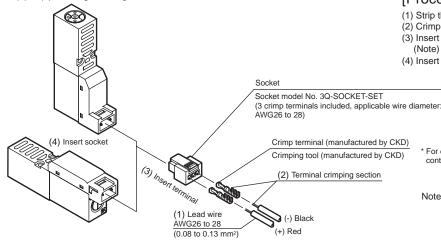
The coil force is in the B direction, causing the coil force B + spring force to exceed the magnet force: thus, the fixed core and moving core will separate.

(Even if power is shut OFF, it will remain separated.)

C-/D-connector wiring method

2-position single (self-reset)

Wire (1) to (4) referring to the figure below.



[Procedure]

- (1) Strip the sheath at the end of the lead wire by 2 to 3 mm.
- (2) Crimp the lead wire with a dedicated tool.
- (3) Insert the terminal into holes at both ends of the socket. (Note) Check the orientation for insertion.
- (4) Insert the socket into the solenoid valve connector section.

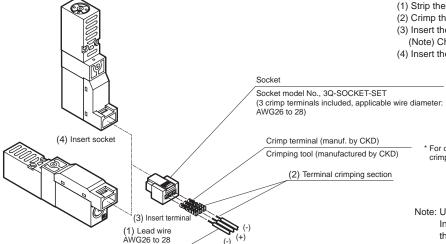
* For details of crimp terminals and crimping tools, contact CKD separately.

Note: Pay attention to the polarity of $\bigoplus \bigcirc$ for the optional H (Large flow rate) specification.

Incorrect polarity will not result in a short-circuit, but the valve will not operate.

2-position single (self-hold)

Wire (1) to (4) referring to the figure below.



(0.08 to 0.13 mm²)

[Procedure]

- (1) Strip the sheath at the end of the lead wire by 2 to 3 mm.
- (2) Crimp the lead wire with a dedicated tool.
- (3) Insert the terminal into holes at both ends of the socket. (Note) Check the orientation for insertion.
- (4) Insert the socket into the solenoid valve connector section.

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

Note: Use caution with polarity of $\bigoplus \bigcirc$. Incorrect polarity will not result in a short-circuit, but the valve will not operate.

M4GA/B

4GA/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 (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 (Gammá)

Ending