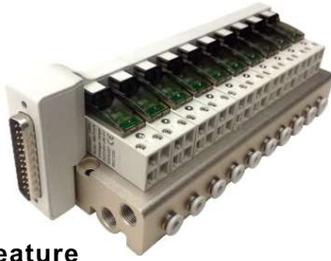


Integrated solenoid valve (3/2 way)

CPV15S Series



Product feature

1. Integrated installation centralizes air intake, exhaust and power(25pin D-Sub)to save space and reduce additional accessories.
2. Flexible combination and expandability for various applications. Blank plates are optional.
3. Equipped with manual override for quick air circuit checking.
4. Low starting voltage and long service life.

Ordering code

Specification

| Model | CPV15SB | CPV15SF |
|---------------------------|-------------------------------|--|
| Integrated solenoid valve | Fluid | Air(to be filtered by 40 μm filter element) |
| | Acting | Direct acting |
| | Number of stations | 2 stations ~20 stations, only available in even stations |
| | Electrical entry | Terminal, 25pin D-Sub |
| | Port size [Note1] | P/R: 1/8" A: Φ4mm(quick connector) |
| | The type of Inlet and exhaust | Centralized inlet and exhaust |
| | Operating pressure | 0.15~0.8MPa(21~114psi) |
| | Proof pressure | 1.2MPa(175psi) |
| | Temperature | -20~70°C |
| | Protection | Dustproof |
| Coil | Standard voltage | DC24V DC12V |
| | Scope of voltage | DC±10% |
| | Temperature classification | F Class |
| | Power consumption | DC: 1.6W |

[Note1] G thread is available.

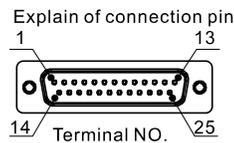
CPV15S B 20F G



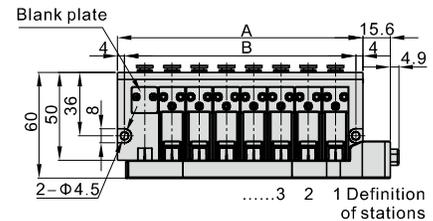
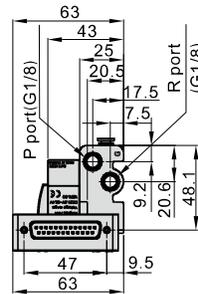
| ①Model | ②Voltage | ③Number of stations | ④Thread type |
|---|----------------------|--|--------------|
| CPV15S: CPV15S series integrated solenoid valve | B: DC24V F: DC12V | 2F: 2 stations 3F: 3stations 4F: 4stations 20F: 20stations | G: G |

Dimensions

G thread



| Terminal no. | Polarity -COM | +COM | Control object | Terminal no. | Polarity -COM | +COM | Control object |
|--------------|---------------|------|----------------|--------------|---------------|------|----------------|
| 1 | (+) | (-) | 13 station | 14 | (+) | (-) | 1 station |
| 2 | (+) | (-) | 14 station | 15 | (+) | (-) | 2 station |
| 3 | (+) | (-) | 15 station | 16 | (+) | (-) | 3 station |
| 4 | (+) | (-) | 16 station | 17 | (+) | (-) | 4 station |
| 5 | (+) | (-) | 17 station | 18 | (+) | (-) | 5 station |
| 6 | (+) | (-) | 18 station | 19 | (+) | (-) | 6 station |
| 7 | (+) | (-) | 19 station | 20 | (+) | (-) | 7 station |
| 8 | (+) | (-) | 20 station | 21 | (+) | (-) | 8 station |
| 9 | | | Void | 22 | (+) | (-) | 9 station |
| 10 | | | Void | 23 | (+) | (-) | 10 station |
| 11 | | | Void | 24 | (+) | (-) | 11 station |
| 12 | | | Void | 25 | (+) | (-) | 12 station |
| 13 | (-) | (+) | COM | | | | |



[Note] The D-sub cable of the corresponding Pin no. 13 (COM) should be less than or equal to 22AWG.

| Item\Number of stations | 2F | 4F | 6F | 8F | 10F | 12F | 14F | 16F | 18F | 20F |
|-------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| A | 46.5 | 77.5 | 108.5 | 139.5 | 170.5 | 201.5 | 232.5 | 263.5 | 294.5 | 325.5 |
| B | 38.5 | 69.5 | 100.5 | 131.5 | 162.5 | 193.5 | 224.5 | 255.5 | 286.5 | 317.5 |

Installation and Application

| Assembly of micro-solenoid valve (blank plate) and manifold | Expansion of micro-solenoid valve | A port tubing | Manifold mounting |
|---|--|---|---|
| Mount micro-solenoid valve and manifold by two M2.5 screws as following . Mount blank plate and manifold by two M2.5 countersunk screws as following . | Remove blank plate and install solenoid valve by the assembly instruction. | A port is at the side of manifold with quick connector for tube OD Φ4 mm. | Both sides of manifold attach two installing through-holes, using two M4 hexagon cap screws to fix. |
| <p>Solenoid valve: Fixed by two M2.5 screws</p> <p>Manifold: Fixed by two M2.5 screws</p> | <p>replace blank plate with solenoid valve</p> | <p>A(with quick connector) (selectΦ4mm tube)</p> | <p>Installing through-holes (using two M4 hexagon cap screws to fix)</p> |

Integrated solenoid valve (3/2 way)

CPV15S Series—Manifold, solenoid valve and blank plate



Product feature

1. Integrated installation centralizes air inlet, exhaust and power (25pin D-Sub) to save space and reduce additional accessories.
2. Flexible combination and expandability for various applications. Blank plates are optional.

Specification

| Model | CPV15S |
|-------------------------------|--|
| Fluid | Air (to be filtered by 40 μm filter element) |
| Number of stations | 2 stations ~20 stations, only available in even stations |
| Electrical entry | Terminal, 25pin D-Sub |
| Port size [Note1] | P/R: 1/8" A: Φ4mm (quick connector) |
| The type of Inlet and exhaust | Centralized inlet and exhaust |
| Operating pressure | 0.15~0.8MPa (21~114psi) |
| Proof pressure | 1.2MPa (175psi) |
| Temperature | -20~70°C |
| Weight | Integrated valve of 2 stations: 158.5g (not include CPV15 valve) Increase when add 2 stations: +97.65g Blank plate kits: 0.65g |

[Note1] G thread is available.

Ordering code

Ordering code for manifold

CPV15S 20F G

① ② ③

| ① Model | ② Number of stations | ③ Thread type |
|---|---|---------------|
| CPV15S: CPV15S series integrated solenoid valve | 2F: 2 stations 4F: 4 stations 6F: 6 stations 20F: 20 stations | G: G |

Ordering code for valve

CPV15 B P

① ② ③

| ① Model | ② Voltage | ③ Code of manual override |
|---|----------------------|----------------------------|
| CPV: CPV series micro-solenoid valve | B: DC24V F: DC12V | P: With manual override |

Ordering code for blank plate

P-CPV15S-R2

① ②

| ① Model | ② Code |
|--|---------------------------------|
| CPV15S: CPV15S series integrated solenoid valve | R2: Blank plate for manifold |

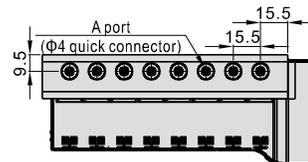
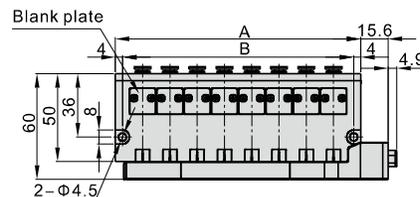
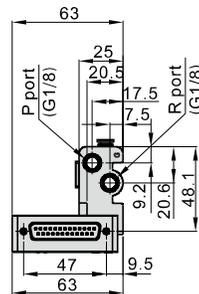
[Note] Blank plate kits contains blank plate, gasket and screw.



- [Note] 1. Ordering code contains solenoid valve, manifold, and blank plate.
2. Maximum station up to 20 stations.

Dimensions

G thread



| Item\Number of stations | 2F | 4F | 6F | 8F | 10F | 12F | 14F | 16F | 18F | 20F |
|-------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| A | 46.5 | 77.5 | 108.5 | 139.5 | 170.5 | 201.5 | 232.5 | 263.5 | 294.5 | 325.5 |
| B | 38.5 | 69.5 | 100.5 | 131.5 | 162.5 | 193.5 | 224.5 | 255.5 | 286.5 | 317.5 |

Installation and Application

Please refer to the "Installation and Application" instruction of Integrated solenoid valve (G thread).