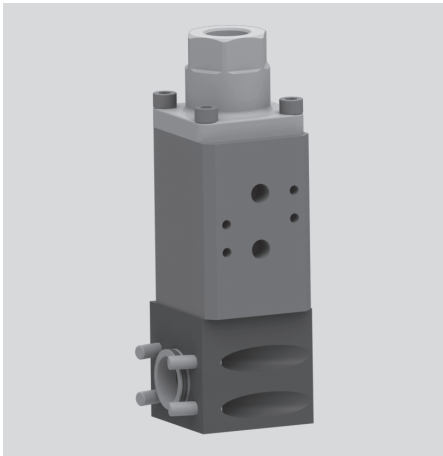
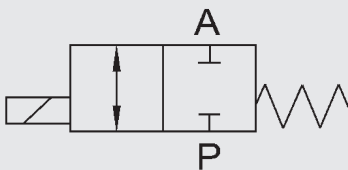


2/2 Way Coaxial Valve

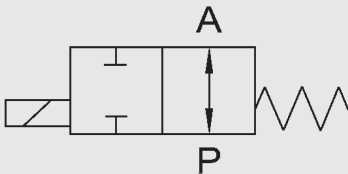
CX06M to CX08M pilot operated



Switching function



NC (normally closed)



NO (normally open)

Model code

(also example order)

CX06M 2/2 F C 2 10 064 014 PV

Type
 CX06M = CX06M series
 CX07M = CX07M series
 CX08M = CX08M series

Ways
 2/2 = The number of ways

Control
 F = External pilot

Switching function
 C = NC - normally closed
 O = NO - normally open*

Housing material
 2 = brass (valve), aluminium (block)

Nominal size
 10 = DN 10
 15 = DN 15
 20 = DN 20
 25 = DN 25
 32 = DN 32

Pressure range
 064 = CX06M > 0 - 64 bar
 120 = CX07M > 0 - 120 bar
 160 = CX08M > 0 - 160 bar

Connection
 014 = G $\frac{1}{4}$ - DN 10
 038 = G $\frac{3}{8}$ - DN 10, DN 15
 012 = G $\frac{1}{2}$ - DN 10, DN 15, DN 20
 034 = G $\frac{3}{4}$ - DN 15, DN 20, DN 25
 100 = G1 - DN 20, DN 25, DN 32
 114 = G1 $\frac{1}{4}$ - DN 25, DN 32
 112 = G1 $\frac{1}{2}$ - DN 32

Option
 PV ... = Pilot valve (... acc. to accessories)

Order data

- Nominal size
- Connection
- Function NC/NO
- Operating pressure
- Flow rate
- Medium
- Medium temperature
- Ambient temperature
- Nominal voltage
- Number of module blocks

*optional

Technical specifications

| | | | |
|-------------------------------|---|------------------------------------|----------------|
| Control | 2/2 way valve, pilot operated | | |
| Nominal size | DN 10 to DN 32 | | |
| Pressure range (see table) | CX06M | DN10 to DN 32 | PN 0 to PN 64 |
| | CX07M | DN10 to DN25 | PN 0 to PN 120 |
| | CX07M | DN32 | PN 0 to PN 100 |
| | CX08M | DN10 to DN25 | PN 0 to PN 160 |
| Ports | Valve: G ¼ - G1½ Block: G ½ - G2 | | |
| Body material | Single valve: brass Block: aluminium | | |
| Material of seals | Static: | FKM | |
| | Dynamic: | FKM / CX06M PTFE / CX07M, CX08M | |
| | Seat seal: | PTFE | |
| Back pressure resistant | Up to 16 bar | | |
| Media | Gaseous, liquid, contaminated | | |
| Direction of flow | P → A as marked A → P max. 16 bar | | |
| Temperature of medium | -10 °C to +100 °C | | |
| Ambient temperature | -10 °C to +50 °C | | |
| Actuating part | Double acting piston with return spring | | |
| Mounting position | In any position | | |
| Limit switch | Magnetic field sensor | | |
| Fixing | Mounting bracket* | | |

Pneumatic part (option pilot valve)

| | |
|------------------|--|
| Control | 5/2-way pilot valve |
| Mounting pattern | Namur |
| Control pressure | 3 to 8 bar |
| Air requirement | approx. 7 cm ³ / stroke |
| Pilot ports 2+4 | G ³ / ₈ at DN 10 |
| | G ¹ / ₄ at DN 15 to DN 32 |
| Switching speed | CX valve can be smoothly adjusted by adjusting the supply to the pilot valve |
| Switching times | Open/close 50-1000 ms depending on control pressure, pilot valve and exhaust air throttle |

Electrical part (option pilot valve)

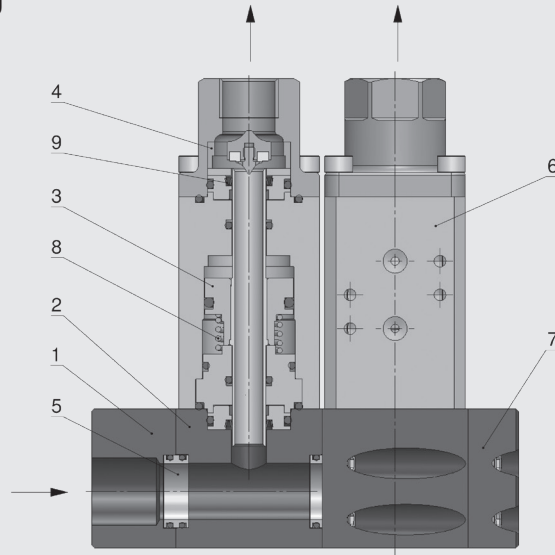
| | |
|-------------------|--|
| Nominal voltage | DC: 24 V |
| | AC: 230 V 40-60 Hz |
| Electrical part | DC: DC magnet AC: DC magnet with integrated rectifier |
| Connection | Connector plug to industry standard type B Connector plug to DESINA M12x1 * Illuminated plug with varistor * |
| Voltage tolerance | + / - 10% to VDE 0580 |
| Duty cycle | 100% duty cycle |
| Protection class | IP 65 when fitted with connector plug |

On request we would be happy to discuss your requirements for further options and accessories.

*optional

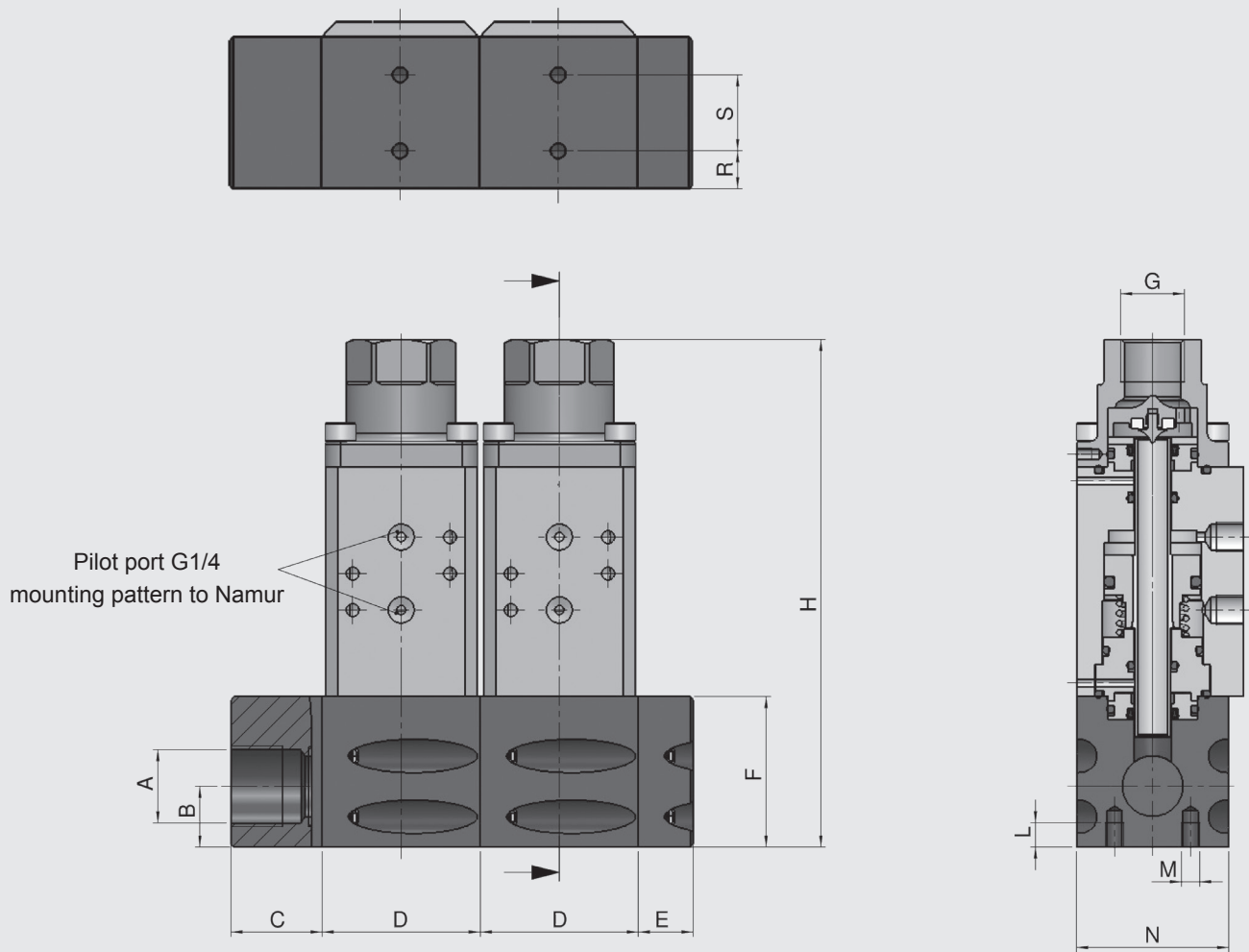
| Designation | DN [mm] | Pressure [bar] | Connection | Kv value [m ³ /h] | Weight [kg] |
|-------------|---------|----------------|---|------------------------------|-------------|
| CX06M | 10 | 0 - 64 | G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ | 2.7 | 1.5 |
| | 15 | 0 - 64 | G ³ / ₈ , G ¹ / ₂ , G ³ / ₄ | 7.2 | 3.2 |
| | 20 | 0 - 64 | G ¹ / ₂ , G ³ / ₄ , G1 | 9.4 | 4.0 |
| | 25 | 0 - 64 | G ³ / ₄ , G1, G1 ¹ / ₄ | 14.5 | 5.3 |
| | 32 | 0 - 64 | G1, G1 ¹ / ₄ , G1 ¹ / ₂ | 20.0 | 6.9 |
| CX07M | 10 | 0 - 120 | G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ | 2.7 | 1.5 |
| | 15 | 0 - 120 | G ³ / ₈ , G ¹ / ₂ , G ³ / ₄ | 7.2 | 3.2 |
| | 20 | 0 - 120 | G ¹ / ₂ , G ³ / ₄ , G1 | 9.4 | 4.0 |
| | 25 | 0 - 120 | G ³ / ₄ , G1, G1 ¹ / ₄ | 14.5 | 5.3 |
| | 32 | 0 - 100 | G1, G1 ¹ / ₄ , G1 ¹ / ₂ | 20.0 | 6.9 |
| CX08M | 10 | 0 - 160 | G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ | 2.7 | 1.5 |
| | 15 | 0 - 160 | G ³ / ₈ , G ¹ / ₂ , G ³ / ₄ | 7.2 | 3.2 |
| | 20 | 0 - 160 | G ¹ / ₂ , G ³ / ₄ , G1 | 9.4 | 4.0 |
| | 25 | 0 - 160 | G ³ / ₄ , G1, G1 ¹ / ₄ | 14.5 | 5.3 |

Sectional drawing







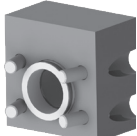
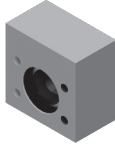
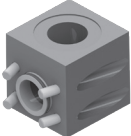
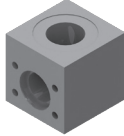
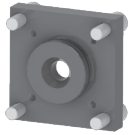
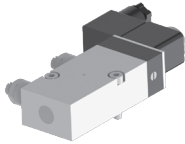
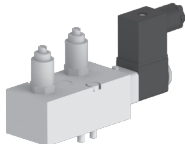
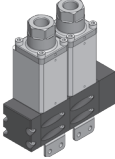

| Item | Designation | Quantity |
|------|------------------------|----------|
| 1 | Connection block, left | 1 |
| 2 | Block module | 2 |
| 3 | Piston | 2 |
| 4 | Valve seat | 2 |
| 5 | Spacer | 3 |
| 6 | Cylinder | 2 |
| 7 | Cover | 1 |
| 8 | Spring | 1 |
| 9 | PTFE rod seal | 2 |

Dimensions



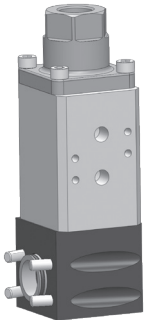
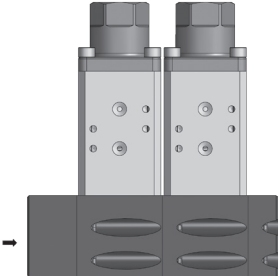
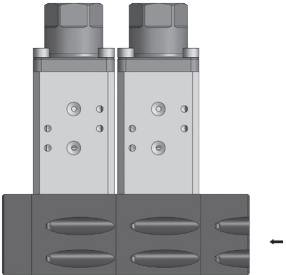
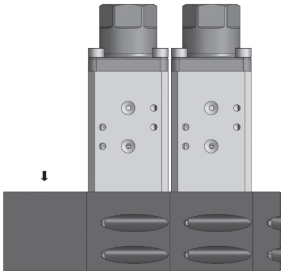
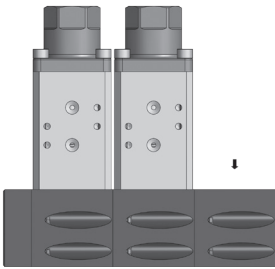
| DN | A | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | H [mm] | G | L [mm] | M [mm] | N [mm] | R [mm] | S [mm] |
|----|--|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|
| 10 | G $\frac{1}{2}$, G $\frac{3}{4}$, G1 | 20 | 42 | 52 | 18 | 49.5 | 167 | G $\frac{1}{4}$, G $\frac{3}{8}$, G $\frac{1}{2}$ | 8 | M6 | 50 | 13 | 25 |
| 15 | G $\frac{1}{2}$, G $\frac{3}{4}$, G1, G1 $\frac{1}{4}$ | 28 | 42 | 72 | 27 | 69.5 | 207 | G $\frac{3}{8}$, G $\frac{1}{2}$, G $\frac{3}{4}$ | 8 | M6 | 70 | 21 | 28 |
| 20 | G1, G1 $\frac{1}{4}$, G1 $\frac{1}{2}$ | 34 | 32 | 82 | 32 | 79.5 | 235 | G $\frac{1}{2}$, G $\frac{3}{4}$, G1 | 10 | M8 | 80 | 25 | 34 |
| 25 | G1, G1 $\frac{1}{4}$, G1 $\frac{1}{2}$ | 36 | 32 | 92 | 32 | 89.5 | 265 | G $\frac{3}{4}$, G1, G1 $\frac{1}{4}$ | 10 | M8 | 90 | 20 | 50 |
| 32 | G1 $\frac{1}{4}$, G1 $\frac{1}{2}$, G2 | 44 | 34 | 93 | 34 | 99.5 | 287 | G1, G1 $\frac{1}{4}$, G1 $\frac{1}{2}$ | 10 | M8 | 90 | 21 | 50 |

Accessories

| | | | |
|------------------------------------|---|--|---|
| Joining rings | Blanking ring | |  |
| | Spacer ring | |  |
| End caps | End cap, right | |  |
| | End cap, left | |  |
| Connecting blocks | Connecting block, right | |  |
| | Connecting block, left | |  |
| | Connecting block, right Angled version G1 on top DN10 | |  |
| | Connecting block, left Angled version G1 on top DN10 | |  |
| Reducing adapter | Reducing adapter | DN15 to DN10 DN25 to DN10 DN25 to DN15 DN32 to DN20 |  |
| 5/2-way pilot valve (NAMUR) | For flange-mounting, connections on side 24 V DC 230 V 50Hz | |  |
| 5/2-way pilot valve (NAMUR) | For flange-mounting, connections on top 24 V DC 230 V 50Hz | |  |
| Mounting bracket |  | |  |

On request we would be happy to discuss your requirements for further options and accessories.

Examples of ordering codes

| | | |
|---|--|--|
|  | <p>Basic valve</p> | <p>CX06M-2/2-F/C-2/10/064/014/24V</p> |
|  | <p>Connecting block, left</p> | <p>CX06M-2/2-F/C-2/10/064/014/24V - 2XL</p> |
|  | <p>Connecting block, right</p> | <p>CX06M-2/2-F/C-2/10/064/014/24V - 2XR</p> |
|  | <p>Connecting block, left 90° Angled version, outlet on top</p> | <p>CX06M-2/2-F/C-2/10/064/014/24V - 2XLO</p> |
|  | <p>Connecting block, right 90° Angled version, outlet on top</p> | <p>CX06M-2/2-F/C-2/10/064/014/24V - 2XRO</p> |

NOTE

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

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