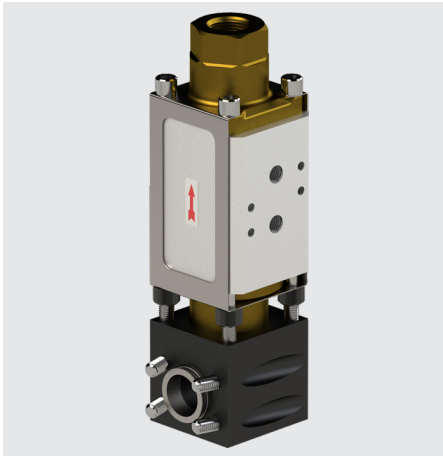
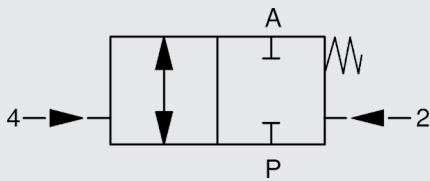


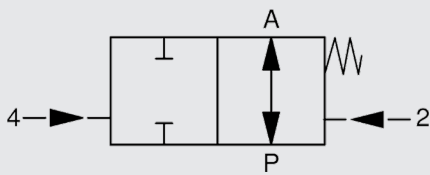
2/2-way coaxial valve plug-in CX06PM to CX08PM pilot-operated



Switching function



NC (closed when de-energised)



NO (open when de-energised)

Order data

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

! If order details or application data are inaccurate or incomplete, there is a risk that the technical configuration of the valves may not be correct for the desired use. This may result in the physical and/or chemical characteristics of the materials or seals used not being adequate for the intended use.

Model code

(also order example)

CX06PM 2/2 F C 2 10 064 012 PV

Designation

CX06PM = modular series CX06 Plug-in
CX07PM = modular series CX07 Plug-in
CX08PM = modular series CX08 Plug-in

Ways

2/2 = number of ways

Control

F = external pilot

Switching function

C = NC - closed when de-energised
O = NO - open when de-energised *

Body material

2 = brass (valve), aluminium (block)

Nominal size

10 = DN 10

Pressure range

064 = CX06PM >0 - 64 bar
120 = CX07PM >0 - 120 bar
160 = CX08PM >0 - 160 bar

Connection

014 = G $\frac{1}{4}$ - DN 10
038 = G $\frac{3}{8}$ - DN 10
012 = G $\frac{1}{2}$ - DN 10
034 = G $\frac{3}{4}$ - DN 10 *

Option

PV ... = pilot valve (... acc. to accessories)

Technical data


Control	2/2-way valve, pilot-operated	
Nominal size	DN 10	
Pressure range (see table)	CX06PM CX07PM CX08PM	PN 0 to PN 64 PN 0 to PN 120 PN 0 to PN 160
Connections	Valve: Connecting blocks:	G $\frac{1}{4}$ – G $\frac{3}{4}$ G $\frac{1}{2}$ – G1
Body material	Single valve: Block:	Brass (stainless steel on request) aluminium
Seal material	Static: Dynamic: Seat seal:	FKM FKM CX06P PTFE CX07P, CX08P PTFE
Back-pressure resistant	Up to 16 bar (capable of flow in both directions on request)	
Vacuum	Leakage rate <10 ⁻⁶ mbar • l/s	
Media	Gaseous, liquid, contaminated	
Abrasive operating fluids	On request	
Flow direction	P → A A → P	As marked max. 16 bar
Temperature of fluid	-10 °C to +100 °C	
Ambient temperature	-10 °C to +50 °C	
Actuating part	Double acting piston with return spring	
Mounting position	No orientation restrictions	
Limit switch	Magnetic field sensor *	
Mounting	Mounting bracket *	


Pneumatic part (for pilot valve option)

Control	5/2-way pilot valve*
Mounting pattern	Namur
Pilot pressure	3 to 8 bar
Air requirement	Approx. 7 cm ³ / stroke
Pilot ports 2+4	G1/8
Switching speed	CX valve can be adjusted steplessly by adjusting the supply to the pilot valve
Switching times	Open/close 50–1000 ms depending on pilot pressure, pilot valve and exhaust air throttle

Electrical part (for pilot valve option)

Supply voltage	DC: 24 V AC: 230 V 40–60 Hz Special voltages on request
Electrical part	DC: DC solenoid AC: DC solenoid and female connector with integrated rectifier
Connection	Female connector to industry standard, Form B Female connector to industry standard, Form A * Female connector to DESINA M12x1 and LED / VDMA M12x1 and LED * Female connector with varistor and LED *
Voltage tolerance	±10% to VDE 0580
Duty cycle	100% duty cycle
Protection class	IP 65 when female connector is fitted

 The material specifications refer exclusively to the valve connection parts in contact with the medium.

 The valves are technically configured for specific media and applications. This may result in deviations from the general information given in the data sheet in terms of the design, sealing materials and specifications.

Series	DN [mm]	Pressure [bar]	Connection	Kv value [m ³ /h]	Weight [kg]
CX06PM	10	0 – 64	G $\frac{1}{4}$, G $\frac{3}{8}$, G $\frac{1}{2}$, G $\frac{3}{4}$ *	2.7	1.5
CX07PM	10	0 – 120	G $\frac{1}{4}$, G $\frac{3}{8}$, G $\frac{1}{2}$, G $\frac{3}{4}$ *	2.7	1.5
CX08PM	10	0 – 100	G $\frac{1}{4}$, G $\frac{3}{8}$, G $\frac{1}{2}$, G $\frac{3}{4}$ *	2.7	1.5

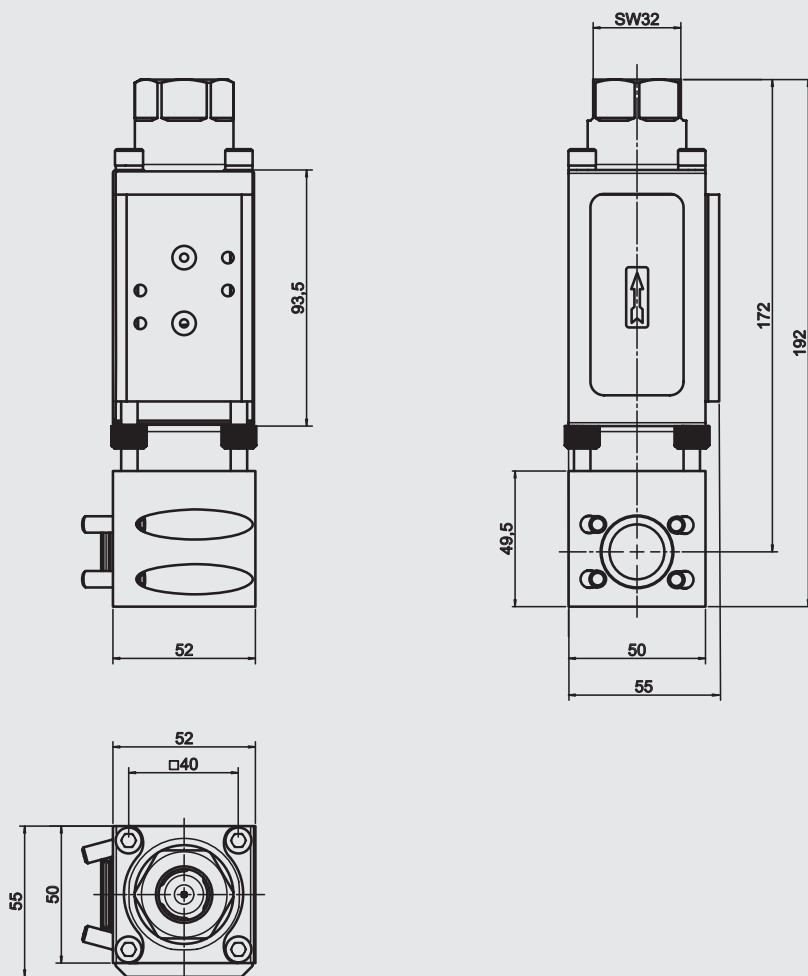
NOTICE: Inserting a maintenance unit upstream will increase the service life of the unit.

* optional

Dimensions

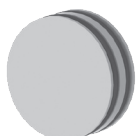

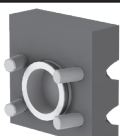
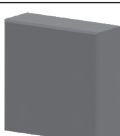
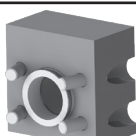
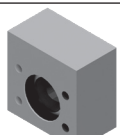
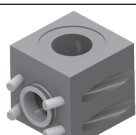
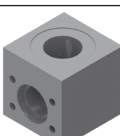
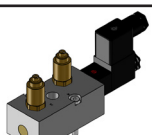
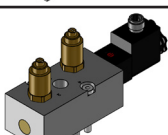

(Dimensions given in mm)

CX plug-in



NOTICE: Additional block measurements can be found in the table "Dimensions" in brochure 6.179.

Accessories

Connection pieces	Separating plate	
	Spacer	
End caps	End cap, right	
	End cap, left	
Connecting blocks	Connecting block, right version, G1/2 G3/4, G1 DN10	
	Connecting block, left version G1/2, G3/4, G1 DN10	
	Connecting block, right angled version G1 on top DN10	
	Connecting block, left angled version G1 on top DN10	
5/2-way pilot valve = PV-WS (NAMUR)	To use flange connections on top DC: 24V AC: 230V 50Hz	
5/2-way pilot valve = PV-M12 (NAMUR)	To use flange connections on top Solenoid M12x1 DC: 24V AC: 230V 50Hz	
Mounting	Mounting bracket	

We would be happy to discuss your requirements for further options and accessories.

NOTE

The information in this brochure relates to the operating conditions and applications described. For applications and/or operating conditions not described please contact the relevant technical department.

The operator is always responsible for determining the product suitability for the specific application. Quantified values for product characteristics are average values for a new product that undergo a time deterioration process.

Subject to technical modifications and errors.

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