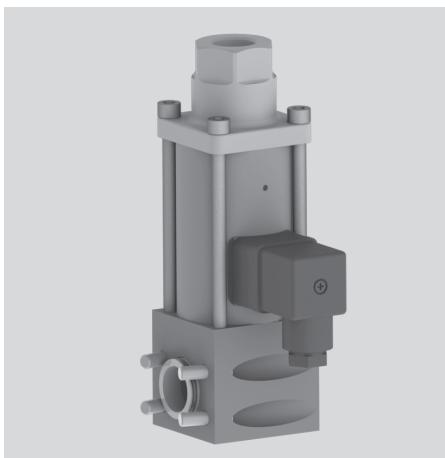
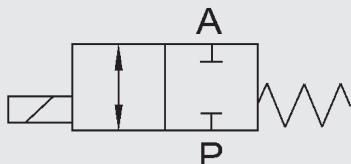


2/2-way coaxial valve

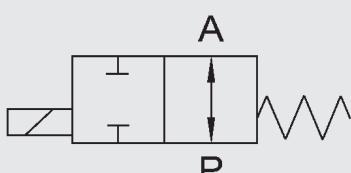
CX02M to CX05M direct acting



Switching function



NC (closed when de-energised)



NO (open when de-energised)

Model code

(also example order)

CX03M 2/2 D C 2 10 040 014 24V

Designation

CX02M = modular series CX02M
 CX03M = modular series CX03M
 CX04M = modular series CX04M
 CX05M = modular series CX05M

Ways

2/2 = number of ways

Control

D = direct

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
 15 = DN 15
 20 = DN 20
 25 = DN 25
 32 = DN 32
 40 = DN 40
 50 = DN 50

Pressure range

020 = CX02 >0 - 20 bar
 040 = CX03 >0 - 40 bar
 064 = CX04 >0 - 64 bar
 100 = CX05 >0 - 100 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 = G $1\frac{1}{4}$ - DN 25, DN 32
 112 = G $1\frac{1}{2}$ - DN 32, DN 40
 200 = G2 - DN 50

Connection diagram

24V = 24 V DC
 230V = 230 V AC 40-60 Hz
 Special voltage on request

Order data

- Nominal size
- Connection
- Function NC/NO
- Operating pressure
- Flow rate
- Medium
- Medium 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.

*optional

Technical specifications

Control	Direct acting	
Nominal size	DN 10 to DN 50	
Pressure range (see table)	CX02M – 2/2	PN 0 to PN 20
	CX03M – 2/2	PN 0 to PN 40
	CX04M – 2/2	PN 0 to PN 64
	CX05M – 2/2	PN 0 to PN 100
Connections	Valve: Block:	G 1/4 - G 2 G 1/2 - G 2 1/2
Body material	Single valve: Block:	Brass Aluminium
Valve seat (plastic on metal)	FKM PTFE	CX02M / CX03M / CX04M CX05M
Material of seals	static: dynamic:	FKM PTFE
Back-pressure resistant	up to 16 bar	
Vacuum	Leakage rate $< 10^{-6}$ mbar•l/s *	
Media	Gaseous, liquid, contaminated	
Abrasive operating fluids	On request	
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	
Mounting position	No orientation restrictions	
Limit switch	Inductive*	
Fixing	Mounting bracket*	

Electrical part

Supply voltage	DC: 24 V AC: 230 V 40-60 Hz
Electrical part	DC: DC magnet AC: DC magnet + connector plug with integrated rectifier
Connection	Connector plug to DIN EN 175301-803 type A Connector plug to DIN EN 175301-803 type A with illuminated plug and varistor * Connector plug to DESINA M12x1 *
Voltage tolerance	±10 % to VDE 0580
Duty cycle	100 % duty cycle
Protection class	IP 65 when fitted with connector plug

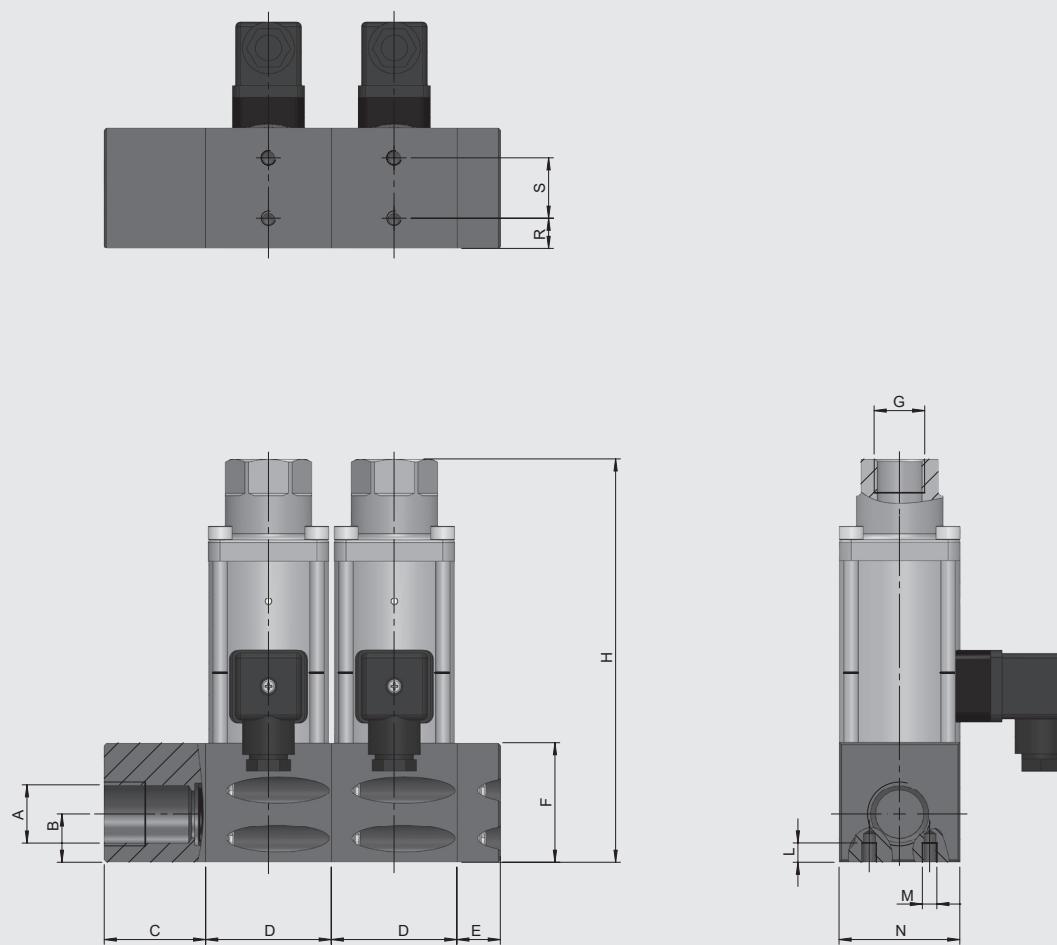
*optional

⚠ The material specification refers 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.

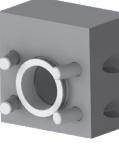
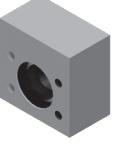
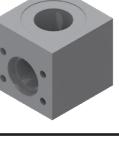
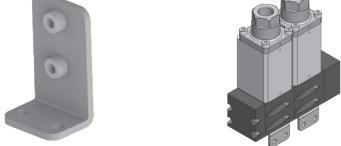
Series	DN [mm]	Pressure [bar]	Connection	Kv value [m³/h]	Power consumption [W]		Weight [kg]
					24V	230 V 50 Hz	
CX03M	10	0 - 20	G 1/4, G 3/8, G 1/2	2.5	25	29	1.7
	10	0 - 40	G 1/4, G 3/8, G 1/2	2.5	35	41	1.7
	15	0 - 40	G 3/8, G 1/2, G 3/4	5.2	40	45	3.6
	20	0 - 40	G 1/2, G 3/4, G 1	7.0	45	53	5.4
	25	0 - 40	G 3/4, G 1, G 1 1/4	12.3	60	68	7.1
	32	0 - 40	G 1, G 1 1/4, G 1 1/2	20.0	73	76	12.6
	40	0 - 16	G 1 1/2	45.7	73	91	18.3
	50	0 - 16	G 2	47.2	73	91	18.3
CX04M	10	0 - 64	G 1/4, G 3/8, G 1/2	2.5	44	53	1.7
	15	0 - 64	G 3/8, G 1/2, G 3/4	5.2	50	55	3.6
	20	0 - 64	G 1/2, G 3/4, G 1	7.0	53	59	5.4
	25	0 - 64	G 3/4, G 1, G 1 1/4	12.3	77	85	7.1
	32	0 - 64	G 1, G 1 1/4, G 1 1/2	20.0	73	76	12.6
CX05M	10	0 - 100	G 1/4, G 3/8, G 1/2	2.5	44	53	1.7
	15	0 - 100	G 3/8, G 1/2, G 3/4	5.2	50	55	3.6
	20	0 - 100	G 1/2, G 3/4, G 1	7.0	53	59	5.4
	25	0 - 100	G 3/4, G 1, G 1 1/4	12.3	77	85	7.1
	32	0 - 100	G 1, G 1 1/4, G 1 1/2	20.0	73	76	12.6

Dimensions



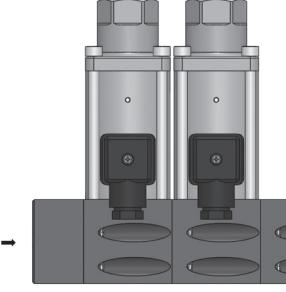
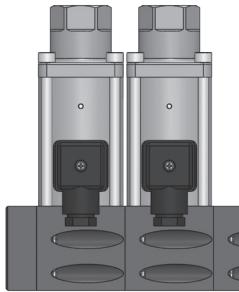
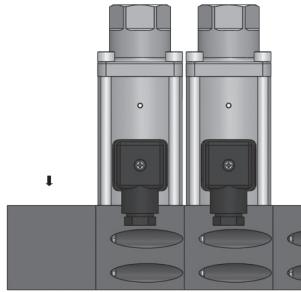
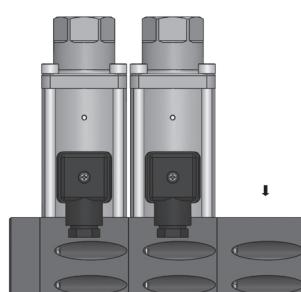
DN	A	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	G	L [mm]	M [mm]	N [mm]	R [mm]	S [mm]
10	G $\frac{1}{2}$, G $\frac{3}{4}$, G1	20	42	52	18	49.5	167	G $\frac{1}{4}$, G $\frac{3}{8}$, G $\frac{1}{2}$	8	M6	50	13	25
15	G $\frac{1}{2}$, G $\frac{3}{4}$, G1, G $\frac{1}{4}$	28	42	72	27	69.5	207	G $\frac{3}{8}$, G $\frac{1}{2}$, G $\frac{3}{4}$	8	M6	70	21	28
20	G1, G $\frac{1}{4}$, G $\frac{1}{2}$	34	32	82	32	79.5	235	G $\frac{1}{2}$, G $\frac{3}{4}$, G1	10	M8	80	25	34
25	G1, G $\frac{1}{4}$, G $\frac{1}{2}$	36	32	92	32	89.5	265	G $\frac{3}{4}$, G1, G $\frac{1}{4}$	10	M8	90	20	50
32	G $\frac{1}{4}$, G $\frac{1}{2}$, G2	50	34	118	34	114.5	302	G1, G $\frac{1}{4}$, G $\frac{1}{2}$	10	M8	115	34	50
40	G $\frac{1}{2}$, G2, G $\frac{1}{2}$	58	40	132	40	129.5	339	G $\frac{1}{2}$	21	M12	130	30	70
50	G $\frac{1}{2}$, G2, G $\frac{1}{2}$	58	40	132	40	129.5	339	G2	21	M12	130	30	70

Accessories

Joining parts	Separating plate	
	Spacer	
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	
Fixing	Mounting bracket	

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

Examples of ordering codes

	Basic valve	CX03M-2/2-D/C-2/10/040/012/24V
	Connecting block, left	CX03M-2/2-D/C-2/10/040/012/24V -WS-2XL
	Connecting block, right	CX03M-2/2-D/C-2/10/040/012/24V -WS-2XR
	Connecting block, left 90° angled version, outlet on top	CX03M-2/2-D/C-2/10/040/012/24V -WS-2XLO
	Connecting block, right 90° angled version, outlet on top	CX03M-2/2-D/C-2/10/040/012/24V -WS-2XRO

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.

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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