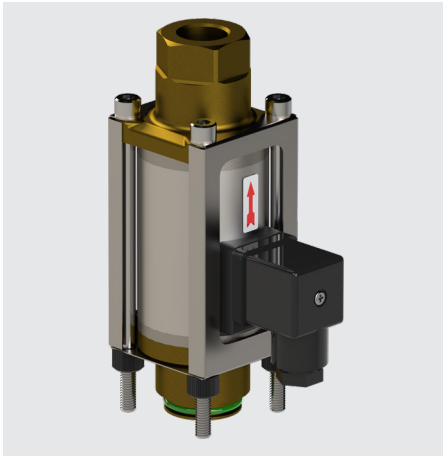
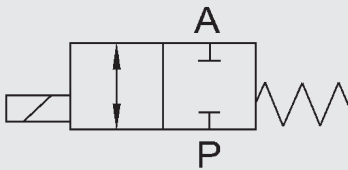


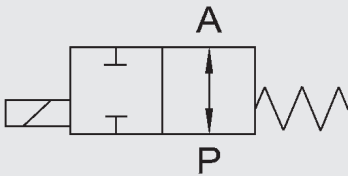
2/2-way coaxial valve plug-in CX02P to CX05P direct acting



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

! 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)

CX03P 2/2 D C 2 10 040 012 24V

Designation

CX02P = series CX02 Plug-in
 CX03P = series CX03 Plug-in
 CX04P = series CX04 Plug-in
 CX05P = series CX05 Plug-in

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

Nominal size

10 = DN 10

Pressure range

020 = CX02P >0 - 20 bar
 040 = CX03P >0 - 40 bar
 064 = CX04P >0 - 64 bar
 100 = CX05P >0 - 100 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 *

Supply voltage

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


*optional


Technical data

Control	2/2-way valve, direct acting	
Nominal size	DN 10	
Pressure range (see table)	CX02P	PN 0 to PN 20
	CX03P	PN 0 to PN 40
	CX04P	PN 0 to PN 64
	CX05P	PN 0 to PN 100
Connections	Female threaded connection (see table)	
Body material	Brass (stainless steel on request)	
Valve seat (plastic on metal)	FKM	CX02P / CX03P / CX04P
	PTFE	CX05P
Seal material	Static:	FKM
	Dynamic:	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	
Flow direction	P → A	As marked
	A → P	max. 16 bar
Temperature of fluid	-10 °C to +100 °C	
Ambient temperature	-10 °C to +50 °C	
Mounting position	No orientation restrictions	
Limit switch	Inductive*	

Electrical part

Supply voltage	DC: 24 V
	AC: 230 V 40–60 Hz
Electrical part	DC: DC solenoid
	AC: DC solenoid with integrated rectifier
Connection	female connector to DIN EN 175301-803 Form A
	female connector with varistor and LED *
	female connector with M12x1 and LED *
	female connector to DESINA M12x1 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.

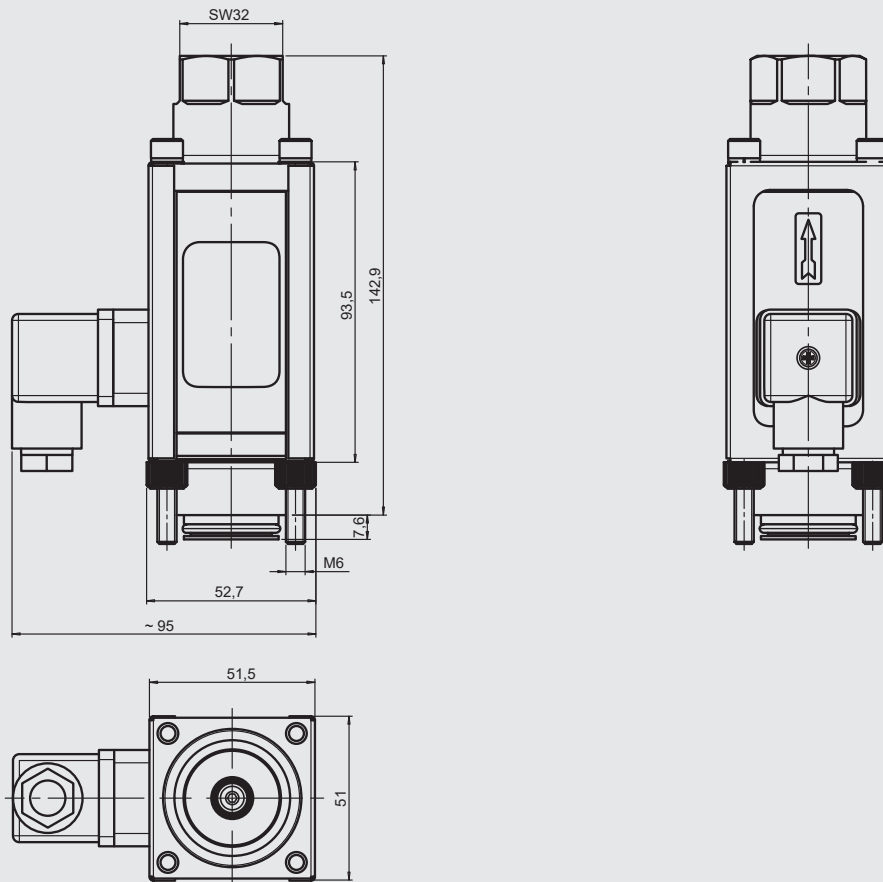
Series	DN [mm]	Pressure [bar]	Connection	Kv value [m ³ /h]	Power consumption [W]		Weight [kg]
					24V DC	230 V 50 Hz	
CX02P	10	0 – 20	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄ *	2.5	25	29	1.7
CX03P	10	0 – 40	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄ *	2.5	35	41	1.7
CX04P	10	0 – 64	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄ *	2.5	44	53	1.7
CX05P	10	0 – 100	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄ *	2.5	44	53	1.7

* optional

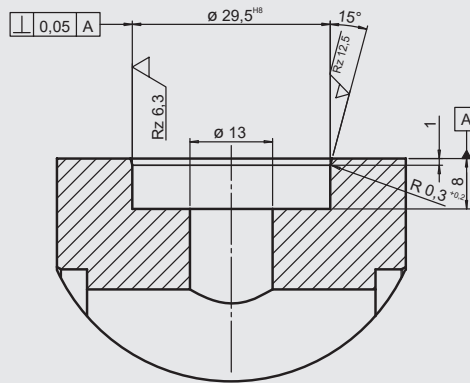
Dimensions

(Dimensions given in mm)

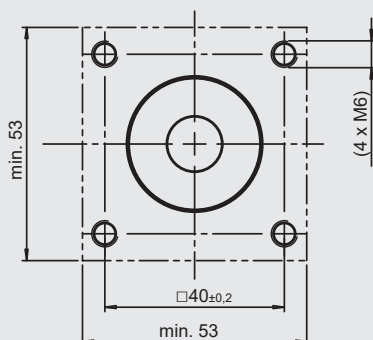
CX plug-in



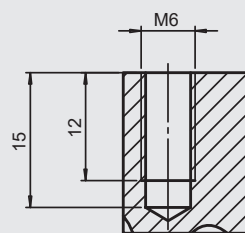
Cavity for CX plug-in



Hole pattern, mounting screws



Mounting thread



Screw tightening torque

DN	Thread	M
10	M6	8 Nm

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.

HYDAC Accessories GmbH

Hirschbachstr. 2

66280 Sulzbach/Saar

Tel.: +49 (0)6897 - 509-01

Internet: www.hydac.com

E-mail: accessories@hydac.com