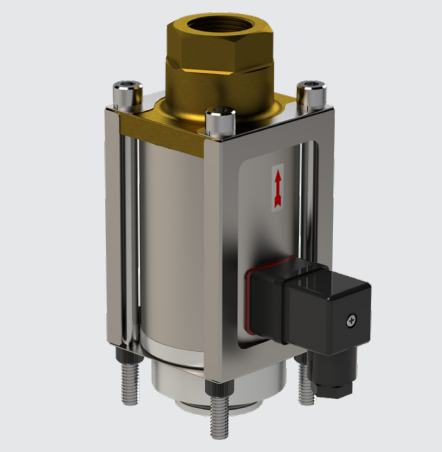
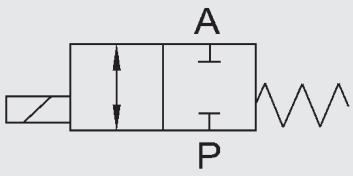
HYDAC INTERNATIONAL



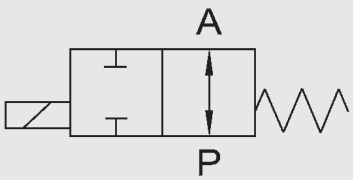
2/2-way coaxial valve plug-in

CX02P to CX05P direct acting
DN15

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	15	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
15 = DN15

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

Connection
038 = G⅜
012 = G½
034 = G¾
100 = G1 *

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	DN15	
Pressure range (see table)	CX02P CX03P CX04P CX05P	PN 0 to PN 20 PN 0 to PN 40 PN 0 to PN 64 PN 0 to PN 100
Connections	Female threaded connection (see table)	
Body material	Brass (stainless steel on request)	
Valve seat (plastic on metal)	FKM PTFE	CX02P / CX03P / CX04P CX05P
Seal material	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	
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	
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

* optional

⚠ 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.

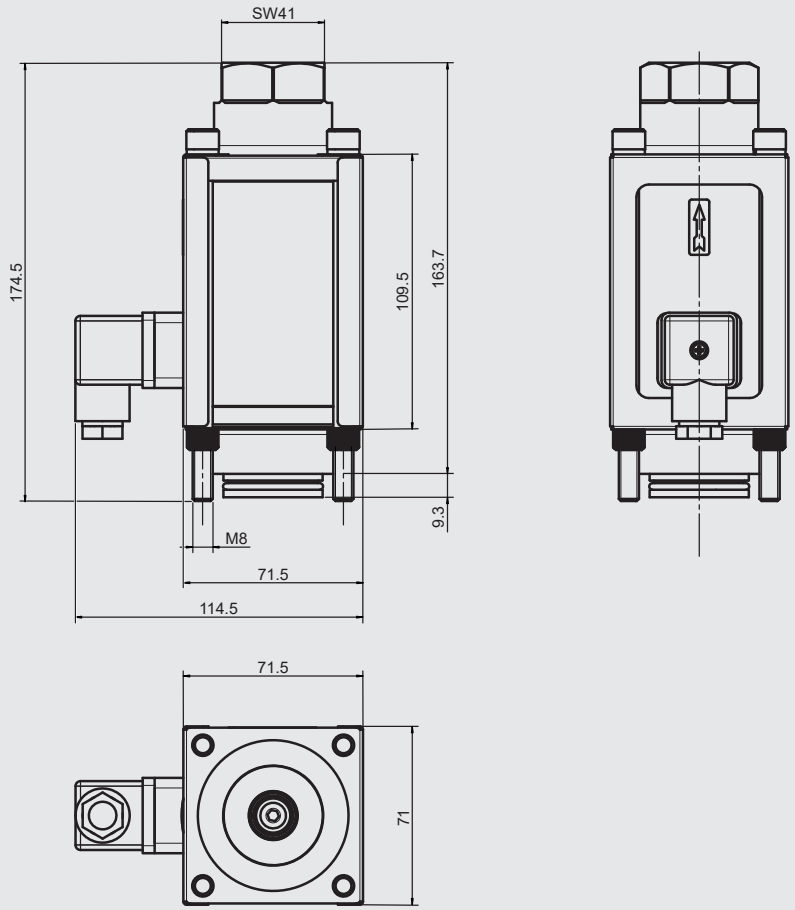
Series	**DN** [mm]	**Pressure** [bar]	**Connection**	**Kv value** [m^3/h]	**Power consumption** [W] 24V DC	230 V 50 Hz	**Weight** [kg]
CX02P	15	0 – 20	G⅜, G½, G¾, G1*	5.2	30	32	3.6
CX03P	15	0 – 40	G⅜, G½, G¾, G1*	5.2	40	45	3.6
CX04P	15	0 – 64	G⅜, G½, G¾, G1*	5.2	50	55	3.6
CX05P	15	0 – 100	G⅜, G½, G¾, G1*	5.2	50	55	3.6

* G1 on request

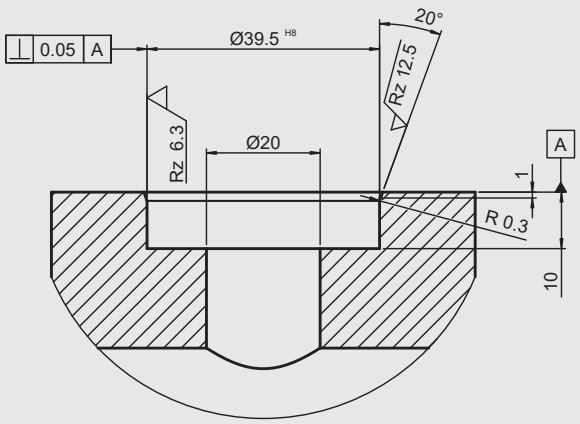
Dimensions

(Dimensions given in mm)

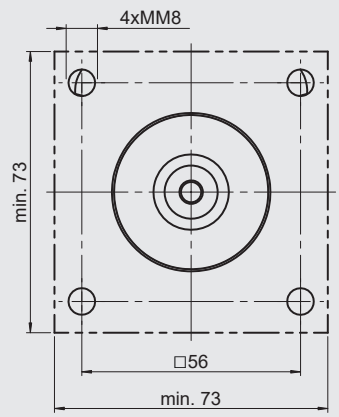
CX plug-in DN15



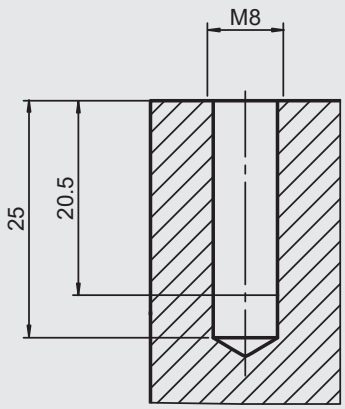
Cavity for CX plug-in DN15



Hole pattern, mounting screws



Mounting thread



Screw tightening torque

DN	Thread	M
15	M8	15 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.

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