Solenoid valve
CPV10-M1H-2X3-GLS-Y-M7

Part number: 553260
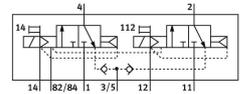
Data sheet

Feature	Value
Valve function	2x3/2-way, monostable, closed
Type of actuation	Electric
Valve size	10 mm
Standard nominal flow rate (standardised to DIN 1343)	400 l/min
pneumatic working port	M7
Operating voltage	24V DC
Operating pressure	0.01 MPa...1 MPa 0.1 bar...10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Degree of protection	IP65
Nominal size	4 mm
Exhaust-air function	Without flow control option
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting Non-detenting
Type of piloting	Pilot actuated
Pilot air supply	External Internal
Flow direction	Non-reversible
lap	Overlap
Pilot pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
b value	0.4
C value	1.6 l/sbar
Switching time off	25 ms
Switching time on	17 ms
Duty cycle	100% in conjunction with holding current reduction
Electrical power consumption	0.46 W
Max. positive test pulse with 0 signal	1400 µs
Max. negative test pulse with 1 signal	700 µs

Feature	Value
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...40 °C
Media temperature	-5 °C...50 °C
Ambient temperature	-5 °C...50 °C
Product weight	70 g
Type of mounting	With through-hole
Pilot air port 12/14	Common line
Pilot exhaust port 82/84	Common line
Pneumatic connection, port 1	Common line
Pneumatic connection, port 11	Common line
Pneumatic connection, port 2	M7
Pneumatic connection 3/5 combined	Common line
Pneumatic connection, port 4	M7
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium Brass POM PPS Steel