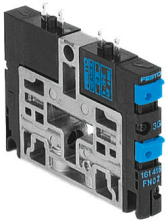
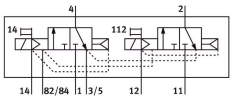
Air solenoid valve
CPV10-M1H-2X3-GLS-M7

Part number: 161416





Data sheet

Feature	Value
Valve function	2x3/2 closed, monostable
Actuation type	Electrical
Valve size	10 mm
Normal nominal flow rate (normalized to DIN 1343)	400 l/min
Pneumatic working port	M7
Operating voltage	24V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Degree of protection	IP65
Nominal width	4 mm
Exhaust air function	Cannot be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Piloted
Pilot air supply port	External Internal
Flow direction	Non-reversible
Lap	Positive overlap
Pilot pressure MPa	0.3 MPa...0.8 MPa
Pilot pressure	3 bar...8 bar
b-value	0.4
C value	1.6 l/sbar
Switching time off	25 ms
On switching time	17 ms
Duty cycle	100% in combination with holding current reduction
Electrical power consumption	0.46 W
Max. positive test pulse with 0 signal	1400 µs
Max. negative test pulse on 1 signal	700 µs

Feature	Value
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...40 °C
Temperature of medium	-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 connection
Pilot exhaust air port 82/84	Common connection
Pneumatic connection 1	Common connection
Pneumatic connection 11	Common connection
Pneumatic connection 2	M7
Pneumatic port 3/5 combined	Common connection
Pneumatic connection 4	M7
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum Brass POM PPS Steel