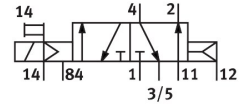


Solenoid valve CPV10-M1H-5LS-M7-B-EX

Part number: 550696

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Valve size	10 mm
Standard nominal flow rate (standardised to DIN 1343)	400 l/min
pneumatic working port	M7
Operating voltage	24 V DC
Operating pressure	0 MPa ... 1 MPa
Operating pressure	0 bar ... 10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Degree of protection	IP50
Nominal size	4 mm
Exhaust-air function	Cannot be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of piloting	Piloted
Pilot air supply	External Internal
Flow direction	Non-reversible
Symbol	00991942
lap	Overlap
Pilot pressure	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	40 ms
Switching time on	17 ms
Duty cycle	100% in conjunction with holding current reduction
Required current consumption	0.016 A
Max. input power P_i	0.76 W
Max. input voltage U_i	32 V
Max. input current I_i	0.2 A
Effective internal inductivity L_i	Negligibly low
Effective internal capacitance C_i	Negligibly low

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