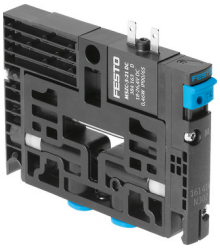
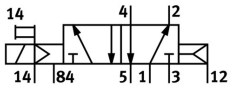
Solenoid valve
CPV14-M1H-5LS-1/8

Part number: 161360





General operating condition

Data sheet

Feature	Value
Valve function	5/2-way, monostable
Type of actuation	Electric
Valve size	14 mm
Standard nominal flow rate	800 l/min
pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Degree of protection	IP65
Nominal size	6 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
Symbol	00991027
lap	Overlap
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
b value	0.42
C value	3.2 l/sbar
Switching time off	35 ms
Switching time on	25 ms
Duty cycle	100% in conjunction with holding current reduction
Electrical power consumption	0.65 W
Max. positive test pulse with 0 signal	1400 µs
Max. negative test pulse with 1 signal	400 µs
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)

Feature	Value
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
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	120 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 2	G1/8
Pneumatic connection 3/5 combined	Common line
Pneumatic connection, port 4	G1/8
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium Brass POM PPS Steel