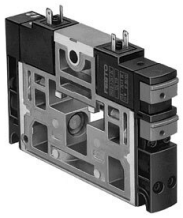
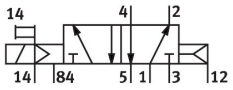
Air solenoid valve
CPV18-M1H-5LS-1/4

Part number: 163190





Data sheet

Feature	Value
Valve function	5/2-way, monostable
Actuation type	Electrical
Valve size	18 mm
Normal nominal flow rate (normalized to DIN 1343)	1600 l/min
Pneumatic working port	G1/4
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
Certification	C-Tick
Degree of protection	IP65
Nominal width	8 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	0.38
C value	6.3 l/sbar
Switching time off	26 ms
On switching time	18.5 ms
Duty cycle	100%
Electrical power consumption	1.5 W
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
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	260 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	G1/4
Pneumatic port 3/5 combined	Common connection
Pneumatic connection 4	G1/4
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum Brass POM PPS Steel