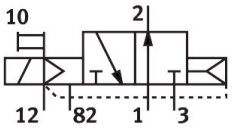
Air solenoid valve
CPVSC1-M1H-N-P-M5O

Part number: 527551





Data sheet

Feature	Value
Valve function	3/2-way, monostable, open
Actuation type	Electrical
Valve size	10 mm
Normal nominal flow rate (normalized to DIN 1343)	170 l/min
Pneumatic working port	M5
Operating voltage	22V DC
Operating pressure	-0.09 MPa...0.7 MPa -0.9 bar...7 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Degree of protection	IP40
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
Flow direction	Non-reversible
Lap	Positive overlap
Pilot pressure MPa	0.3 MPa...0.7 MPa
Pilot pressure	3 bar...7 bar
Switching time off	10 ms
On switching time	10 ms
Max. positive test pulse with 0 signal	400 µs
Max. negative test pulse on 1 signal	200 µs
Coil characteristics	22 V DC: 1.0 W
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)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27

Feature	Value
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-5 °C...50 °C
Product weight	30.5 g
Electrical connection	2-pin Plug
Type of mounting	With through-hole
Pilot exhaust air port 82/84	Common connection
Pneumatic connection 1	Common connection
Pneumatic connection 2	M5
Pneumatic port 3/5 combined	Common connection
Pneumatic connection 4	M5
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Die-cast aluminum