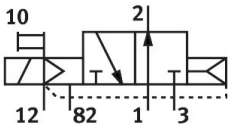
Air solenoid valve
CPVSC1-M1HT-N-T-Q3O

Part number: 548042





General operating condition

Data sheet

Feature	Value
Valve function	3/2, open, monostable
Actuation type	Electrical
Valve size	10 mm
Standard nominal flow rate	170 l/min
Pneumatic working port	QS-3
Operating voltage	24V DC
Operating pressure	-0.09 MPa ... 0.7 MPa
Operating pressure	-0.9 bar ... 7 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Certification	c UL us - Recognized (OL)
Degree of protection	IP40
Exhaust air function	Without flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Non-reversible
Symbol	00991402
Lap	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	500 µs
Max. negative test pulse on 1 signal	400 µs
Coil characteristics	24 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
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Temperature of medium	-5 °C ... 50 °C

Feature	Value
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 port
Pneumatic connection 1	Common port
Pneumatic connection 2	QS-3
Pneumatic port 3/5 combined	Common port
Pneumatic connection 4	QS-3
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum