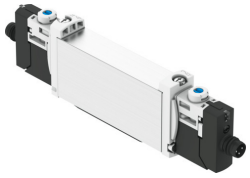
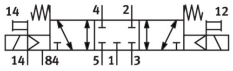
Solenoid valve
VUVG-B14-P53C-ZT-F-1R8L

Part number: 574247





General operating condition

Data sheet

Feature	Value
Valve function	5/3 closed
Type of actuation	Electric
Valve size	14 mm
Standard nominal flow rate (standardised to DIN 1343)	520 l/min ... 600 l/min
pneumatic working port	Flange
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	Mechanical spring
Approval	RCM trademark c UL us - Recognized (OL)
Degree of protection	IP65 With plug socket
Nominal size	5.6 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting Non-detenting Covered
Type of piloting	Pilot actuated
Pilot air supply	External
Symbol	00991126
lap	Overlap
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	yes
Switching time off	40 ms
Switching time on	12 ms
Switching time reversal	20 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	700 µs
Max. negative test pulse with 1 signal	900 µs
Characteristic coil data	24 V DC: 1.0 W
Permissible voltage fluctuations	+/- 10 %
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Restrictions for environmental and media temperature	-5 ... 50° C Without holding current reduction
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
Cleanroom class	Class 5 according to ISO 14644-1
Media temperature	-5 °C ... 60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 60 °C
Product weight	89 g
Electrical connection	Via electrical sub-base
Type of mounting	On manifold rail
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy