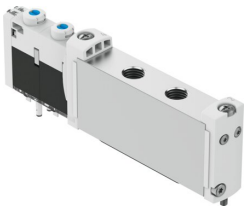
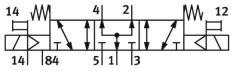
Solenoid valve
VUVG-S14-P53U-ZT-G18-1T1L

Part number: 573475





Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Electrical
Valve size	14 mm
Standard nominal flow rate (standardised to DIN 1343)	590 l/min
pneumatic working port	G1/8
Operating voltage	24 V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Approval	c UL us - Recognised (Oil)
Degree of protection	IP65 IP67
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of piloting	Piloted
Pilot air supply	External
Flow direction	Reversible
lap	Overlap
Signal status display	LED
Pilot pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
Max. switching frequency	3 Hz
Switching time off	42 ms
Switching time on	15 ms
Switching time reversal	25 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1600 µs
Max. negative test pulse with 1 signal	3000 µs

Feature	Value
Characteristic coil data	22 V DC: 1.0 W
Permissible voltage fluctuations	+/-10%
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)
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
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	95 g
Electrical connection	Via E-box
Type of mounting	On manifold rail
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 4	G1/8
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy