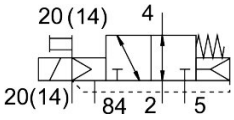
Solenoid valve
VUVG-B10Z-M32U-RZT-F-1T1L

Part number: 8028232



General operating condition

Data sheet

Feature	Value
Valve function	3/2 open, monostable
Type of actuation	Electric
Valve size	10 mm
Standard nominal flow rate (standardised to DIN 1343)	130 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 Pneumatic spring
Approval	c UL us - Recognized (OL)
Degree of protection	IP65 IP67
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting Non-detenting
Type of piloting	Pilot actuated
Pilot air supply	External
Symbol	00995406
lap	Overlap
Signal status display	LED
Pilot pressure	0.15 MPa ... 0.8 MPa
Pilot pressure	1.5 bar ... 8 bar
Max. switching frequency	3 Hz
Switching time off	17 ms
Switching time on	9 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1600 µs
Max. negative test pulse with 1 signal	3000 µs
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)

Feature	Value
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	53 g
Electrical connection	Via sub-base
Type of mounting	On manifold rail
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy