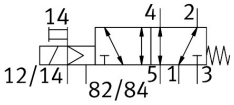
Solenoid valve
VUVX-B10-M52-MZT-F-1R8L

Part number: 8243150





Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Valve size	10 mm
Nominal flow rate standardised according to ISO 8778	255 l/min
Operating voltage	24 V DC
Operating pressure	-0.09 MPa...0.8 MPa -0.9 bar...8 bar
Design	Piston slide with sealing ring
Type of reset	Mechanical spring
Width	10.25 mm
Nominal size	2.4 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting via accessory
Type of piloting	Piloted
Pilot air supply	External
Flow direction	Reversible
lap	Underlap
Pilot pressure	0.25 MPa...0.8 MPa 2.5 bar...8 bar
Suitability for vacuum	Yes
b value	0.46
C value	0.89 l/sbar
Nominal flow rate standardised to ISO 8778 exhaust 2-3	230 l/min
Max. switching frequency	3 Hz
Switching time off	20 ms
Switching time on	7 ms
Duty cycle	100%
Permissible voltage fluctuations	+/-10%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas

Feature	Value
Note on operating and pilot medium	Ester oil < 0.1mg/m³, according to ISO 8573-1:2010 [-:-:2] Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-20 °C...60 °C
Suitable for use with food	NSF H1
Media temperature	-10 °C...60 °C
Relative air humidity	5 - 95%
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas
Ambient temperature	-10 °C...60 °C
Max. tightening torque for valve mounting	0.36 Nm
Product weight	41 g
Pilot air port 12/14	Sub-base
Pilot exhaust port 82/84	Sub-base
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	Sub-base
Pneumatic connection, port 3	Sub-base
Pneumatic connection, port 4	Sub-base
Pneumatic connection, port 5	Sub-base
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material dynamic seals	HNBR TPE-U(PU)
Material housing	Anodised wrought aluminium alloy
Material spring	High-alloy stainless steel
Material piston slide	POM
Material screws	High-alloy stainless steel