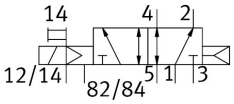
Solenoid valve
VUVX-B10-M52-AZT-F-1R8L

Part number: 8243149





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	Pneumatic 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	Non-reversible
lap	Underlap
Pilot pressure	0.2 MPa...0.8 MPa 2 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	5 Hz
Switching time off	14 ms
Switching time on	8 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