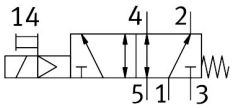
Solenoid valve
VUVX-L10-M52-MT-M7-1R8L

Part number: 8243140





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	425 l/min
Operating voltage	24 V DC
Operating pressure	0.25 MPa...0.8 MPa 2.5 bar...8 bar
Design	Piston slide with sealing ring
Type of reset	Mechanical spring
Width	10.25 mm
Nominal size	3.1 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	Internal
Flow direction	Non-reversible
lap	Underlap
b value	0.49
C value	1.47 l/sbar
Nominal flow rate standardised to ISO 8778 exhaust 2-3	430 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
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)

Feature	Value
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	35 g
Pilot air port 12/14	M3
Pilot exhaust port 82/84	Not ducted
Pneumatic connection, port 1	M7
Pneumatic connection, port 2	M7
Pneumatic connection, port 3	M7
Pneumatic connection, port 4	M7
Pneumatic connection, port 5	M7
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