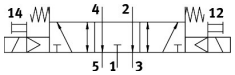
Solenoid valve
VUVX-L18-P53E-T-G14-1P3

Part number: 8243308





Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	Electrical
Valve size	18 mm
Nominal flow rate standardised according to ISO 8778	1415 l/min
Operating voltage	24 V DC
Operating pressure	0.4 MPa...0.8 MPa 4 bar...8 bar
Design	Piston slide with sealing ring
Type of reset	Mechanical spring
Width	18.55 mm
Nominal size	5.7 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
Signal status display	Yes
b value	0.42
C value	5.13 l/sbar
Nominal flow rate standardised to ISO 8778 exhaust 2-3	1490 l/min
Max. switching frequency	3 Hz
Switching time off	23 ms
Switching time on	20 ms
Switching time reversal	20 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]

Feature	Value
	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	1.2 Nm
Product weight	119 g
Pilot air port 12/14	M5
Pilot exhaust port 82/84	Not ducted
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
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