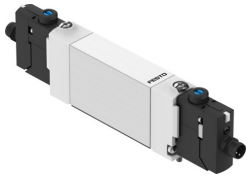
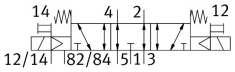
Solenoid valve
VUVX-B14-P53E-ZT-F-1R8L

Part number: 8243297





Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	Electrical
Valve size	14 mm
Nominal flow rate standardised according to ISO 8778	510 l/min
Operating voltage	24 V DC
Operating pressure	0 MPa...0.8 MPa 0 bar...8 bar
Design	Piston slide with sealing ring
Width	14.4 mm
Nominal size	3.6 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
Signal status display	Yes
Pilot pressure	0.2 MPa...0.8 MPa 2 bar...8 bar
Suitability for vacuum	Yes
b value	0.33
C value	2.05 l/sbar
Nominal flow rate standardised to ISO 8778 exhaust 2-3	540 l/min
Max. switching frequency	3 Hz
Switching time off	12 ms
Switching time on	13 ms
Switching time reversal	12 ms
Duty cycle	100%
Permissible voltage fluctuations	+/-10%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
	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)
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	0.96 Nm
Product weight	84 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