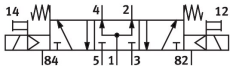
Solenoid valve
VUVS-L25-P53U-MD-N14-FN

Part number: 8193000





Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Electrical
Valve size	26.5 mm
Standard nominal flow rate (standardised to DIN 1343)	1000 l/min
pneumatic working port	1/4 NPT
Operating pressure	0.25 MPa...0.8 MPa 2.5 bar...8 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	Non-reversible
lap	Overlap
Pilot pressure	0.25 MPa...0.8 MPa 2.5 bar...8 bar
b value	0.4
C value	4.3 l/sbar
Switching time off	151 ms
Switching time on	40 ms
Switching time reversal	98 ms
Explosion protection	The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6

Feature	Value
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Media temperature	-10 °C...60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C...60 °C
Product weight	324 g
Breather connection	Not ducted
Pneumatic connection, port 1	1/4 NPT
Pneumatic connection, port 2	1/4 NPT
Pneumatic connection, port 3	1/4 NPT
Pneumatic connection, port 4	1/4 NPT
Pneumatic connection, port 5	1/4 NPT
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium painted
Material piston slide	Wrought aluminium alloy
Material screws	Galvanised steel