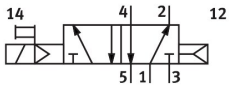
Solenoid valve
VUVS-LK20-M52-AD-G18-1C1-S

Part number: 8043214





Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Valve size	21 mm
Standard nominal flow rate (standardised to DIN 1343)	550 l/min
pneumatic working port	G1/8
Operating voltage	24 V DC
Operating pressure	0.15 MPa...0.8 MPa 1.5 bar...8 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Degree of protection	IP65 With plug socket To IEC 60529
Nominal size	5.2 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	Non-reversible
lap	Overlap
b value	0.38
C value	2.66 l/sbar
Switching time off	22 ms
Switching time on	17 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	2700 µs
Max. negative test pulse with 1 signal	1100 µs
Characteristic coil data	24 V DC: 2.4 W
Permissible voltage fluctuations	+/-10%

Feature	Value
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
Shock resistance	Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Media temperature	-5 °C...50 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Product weight	145 g
Electrical connection	Type C To EN 175301-803
Type of mounting	Either: On manifold rail With through-hole
Breather connection	Not ducted
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy
Material piston slide	Wrought aluminium alloy