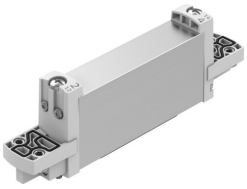
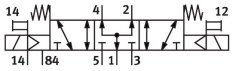
Solenoid valve
VUVG-B14-P53U-Z-F-P1

Part number: 8033546





Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Electrical
Valve size	14 mm
Standard nominal flow rate (standardised to DIN 1343)	500 l/min...600 l/min
pneumatic working port	Flange
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Approval	c UL us - Recognised (Oil)
CE mark (see declaration of conformity)	To EU EMC Directive To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions To UK regulations for electrical equipment
Certificate issuing authority	UL MH19482
Degree of protection	IP65 With electric pilot valve and plug socket
Nominal size	5.6 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Type of piloting	Piloted
Pilot air supply	External
lap	Overlap
Pilot pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
Suitability for vacuum	Yes
Switching time off	24 ms
Switching time on	14 ms
Switching time reversal	20 ms
Duty cycle	100%

Feature	Value
Max. positive test pulse with 0 signal	700 µs
Max. negative test pulse with 1 signal	900 µs
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 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 5 according to ISO 14644-1
Media temperature	-5 °C...60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...60 °C
Product weight	65 g
Electrical connection	Via electric pilot valve
Type of mounting	On manifold rail
Pilot control interface	To ISO 15218
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy