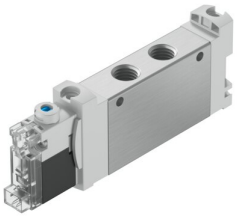
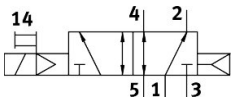
Solenoid valve
VUVG-LK14-M52-AT-G18-1H2L-F1A

Part number: 8173206





Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Valve size	14 mm
Standard nominal flow rate (standardised to DIN 1343)	660 l/min
pneumatic working port	G1/8
Operating voltage	24 V DC
Operating pressure	0.25 MPa...0.7 MPa 2.5 bar...7 bar
Design	Piston slide with sealing ring
Type of reset	Pneumatic spring
Approval	c UL us - Recognised (Oil)
Certificate issuing authority	UL MH19482
Degree of protection	IP40
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
Signal status display	LED
Max. switching frequency	2 Hz
Switching time off	24 ms
Switching time on	14 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1600 µs
Max. negative test pulse with 1 signal	3000 µs
Characteristic coil data	24 V DC: 0.8 W
Permissible voltage fluctuations	+/-10%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
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 1 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	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
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	65 g
Electrical connection	2-pin Plug pattern H, horizontal connection Plug
Type of mounting	Either: On manifold rail With through-hole
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 4	G1/8
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy