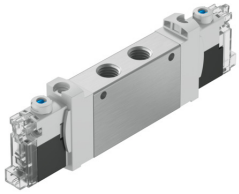
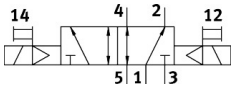
Air solenoid valve
VUVG-LK14-B52-T-G18-1H2L-S

Part number: 8042564





General operating condition

Data sheet

Feature	Value
Valve function	5/2, bistable
Actuation type	Electrical
Valve size	14 mm
Standard nominal flow rate	660 l/min
Pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	0.15 MPa ... 0.7 MPa
Operating pressure	1.5 bar ... 7 bar
Structural design	Piston slide with sealing ring
Certification	c UL us - Recognized (OL)
Certificate issuing authority	UL MH19482
Degree of protection	IP40
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00992897
Lap	Overlap
Signal status display	LED
Max. switching frequency	2 Hz
Changeover time	8 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1600 µs
Max. negative test pulse on 1 signal	3000 µs
Coil characteristics	24 V DC: 0.8 W
Permissible voltage fluctuations	+/- 10 %
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	0 - No corrosion stress

Feature	Value
LABS (PWIS) conformity	VDMA24364 zone III
Temperature of medium	-5 °C ... 50 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 50 °C
Product weight	85 g
Electrical connection	2-pin Connection diagram H, horizontal connection Plug
Type of mounting	On terminal strip With through-hole
Pneumatic connection 2	G1/8
Pneumatic connection 4	G1/8
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

FESTO:

SEA-3GS-M8-S VABM-B10-25S-G38-6 VABM-L1-14W-G14-4-GR DSBC-32-40-D3-PPVA-N3
NPQH-D-Q12-Q8-P10 NPQH-D-Q14-E-P10 NPQP-D-R14-Q10-FD-P10 NPQP-D-R38-Q10-FD-P10
QS-G1/8-6-I QSL-12 DSBC-50-20-D3-PPSA-N3 DSBC-32-50-D3-PPVA-N3 QSLV-G1/4-6
VABM-B10-20S-G14-6 VABM-B10-25S-G38-4-P3 VABM-L1-10HW-G18-4-GR VABM-L1-18S-G38-10
DSBC-40-160-D3-PPSA-N3 DSBC-40-50-D3-PPSA-N3 153034 HGL-1/8-B QSL-1/4-4
DSBC-63-320-D3-PPVA-N3 SPTW-P16R-G14-A-M12 NPQH-D-S14-Q8-P10 NPQH-T-G38-Q8-P10
QS-G3/8-12 DFM-63-100-P-A-KF QSLV-G1/2-12-I QSLV-G1/8-8