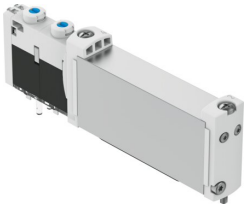
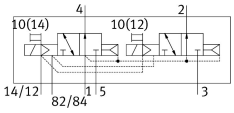
Solenoid valve
VUVG-B14-T32U-AZT-F-1T1L-F1A

Part number: 8141527





Data sheet

Feature	Value
Valve function	2x3/2 open monostable
Actuation type	Electrical
Valve size	14 mm
Normal nominal flow rate (normalized to DIN 1343)	490 l/min
Pneumatic working port	Flange
Operating voltage	24V DC
Operating pressure	0.15 MPa...1 MPa 1.5 bar...10 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Certification	c UL us - recognized (OL)
Degree of protection	IP40
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Piloted
Pilot air supply port	External
Lap	Positive overlap
Signal status display	LED
Pilot pressure MPa	0.15 MPa...0.8 MPa
Pilot pressure	1.5 bar...8 bar
Max. switching frequency	3 Hz
Switching time off	29 ms
On switching time	10 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1600 µs
Max. negative test pulse on 1 signal	3000 µs
Coil characteristics	22 V DC: 1.0 W
Permissible voltage fluctuations	+/- 10%
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per 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
Temperature of medium	-5 °C...60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...60 °C
Product weight	102 g
Electrical connection	Via sub-base
Type of mounting	On terminal strip
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy