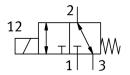
Solenoid valve VOVK-BT6-M32C-MN-1H5ZP-FF

FESTO

Part number: 8122779





General operating condition

Data sheet

Flow direction Symbol O0992967 Cv value O.006 Gal/min US Max. switching frequency 10 Hz Switching time off ≤6 ms Note on switching time off At −1 < p < 6 bar On switching time on ⇒13 ms Note on switching time on □ ⟨= 6 ms at 0 < p < 6 bar, <= 13 ms at -1 < p < 0 bar Duty cycle Electrical power consumption Reversible 10092967 10 Hz ≤6 ms 10 Hz 10	Feature	Value
Width 5.9 mm Standard nominal flow rate 5.5 l/min Pneumatic working port Sub-base Operating pressure -0.1 MPa 0.7 MPa Operating pressure -1 bar 7 bar Operating pressure -14.5 psl 100 psl Information on operating pressure Operating pressure at port 3:-1 to 0 bar only Structural design Connection direction to the front Poppet valve with return spring Reset method Mechanical spring Degree of protection IP40 Nominal width 0.36 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Type of control Electrical Flow direction Reversible Symbol 00992967 Cv value 0.006 Gal/min US Max. switching frequency 10 Hz Switching time off so ms Note on switching time off At -1 cy 6 bar On switching time of -6 ms at 0 cy 6 bar, <= 13 ms at -1 cy 0 bar	Valve function	3/2, closed, monostable
Standard nominal flow rate Pneumatic working port Sub-base Operating pressure Operating pressure Operating pressure Operating pressure 1-14.5 psi 100 psi Information on operating pressure Operating pressure Operating pressure 1-14.5 psi 100 psi Information on operating pressure Operating pressure at port 3: -1 to 0 bar only Structural design Connection direction to the front Poppet valve with return spring Reset method Mechanical spring Degree of protection IP40 Nominal width O.36 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override None Type of control Electrical Elevical Elew direction Reversible Symbol Oo992967 Cv value O.006 Gal/min US Max. switching frequency 10 Hz Switching time off At -1 c y c 6 bar On switching time off At -1 c y c 6 bar On switching time off At -1 c y c 6 bar On switching time on ut y cycle Electrical power consumption All ms Note on switching time on 4-7 to % Operating pressure 10 MA2 364 Zone III AMA2 59(WIS) conformity VDMA24364 zone III VDMA24364 zone III VDMA24364 zone III	Actuation type	Electrical
Pneumatic working port Operating pressure Operating pressure Operating pressure - 1- 1 bar 7 bar Operating pressure - 1- 14.5 psi 100 psi Information on operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure at port 3: -1 to 0 bar only Structural design Connection direction to the front Poppet valve with return spring Reset method Mechanical spring Degree of protection IP40 Nominal width O, 36 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override None Sealing principle None Sealing principle None Operating frequency Doug Soft Ovalue O.006 Gal/min US Max. witching frequency 10 Hz Switching time off At -1 < p · 6 bar On switching time off At -1 < p · 6 bar On switching time on Out y cycle Operating working and pilot media Operating workins witch on stress LABS (PWIS) conformity VDMA24364 zone III VDMA24364 zone III	Width	5.9 mm
Operating pressure Operating pressure Operating pressure 1-1.5 psi 100 psi Information on operating pressure at port 3: -1 to 0 bar only Structural design Connection direction to the front Poppet valve with return spring Reset method Mechanical spring Degree of protection IP40 Nominal width O.36 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Manual override None Type of control Electrical Flow direction Reversible Symbol Operating time off On switching frequency ID HZ Switching frequency ID HZ Switching frequency ID HZ Switching time off At -1 c p < 6 bar On switching time off On operating woltage DC Permissible voltage fluctuations Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) I - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Standard nominal flow rate	5.5 l/min
Operating pressure Operating pressure 1-4.5 psi 100 psi Information on operating pressure Operating pressure at port 3: -1 to 0 bar only Connection direction to the front Poppet valve with return spring Reset method Mechanical spring Degree of protection IP40 Nominal width O.36 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override None Type of control Electrical Flow direction Reversible Symbol Oxyped O	Pneumatic working port	Sub-base
Operating pressure Information on operating pressure Operating pressure at port 3: -1 to 0 bar only Structural design Connection direction to the front Poppet valve with return spring Reset method Mechanical spring Degree of protection IP40 Nominal width O,36 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override None Type of control Electrical Flow direction Reversible Symbol Cov value O,006 Gal/min US Max. switching frequency Switching time off On switching time off On switching time off On switching time on Duty cycle Electrical power consumption soft was None 109 within 500 h Electrical power consumption compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation resistance class (CRC) 1 - Low corrosion stress IABS (PWIS) conformity VDMA24364 zone III	Operating pressure	-0.1 MPa 0.7 MPa
Information on operating pressure Structural design Connection direction to the front Poppet valve with return spring Reset method Mechanical spring Degree of protection IP40 Nominal width 0.36 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Manual override None Type of control Electrical Flow direction Reversible Symbol Oo992967 Cv value Oo06 Gal/min US Max. switching frequency 10 Hz Switching time off At -1 c p c 6 bar. On switching time off Oos witching time off Oos of all minus Oos	Operating pressure	-1 bar 7 bar
Structural design Connection direction to the front Poppet valve with return spring Reset method Mechanical spring Degree of protection IP40 Nominal width 0.36 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Type of control Electrical Flow direction Reversible Symbol 00992967 Cv value 0.006 Gal/min US Max. switching frequency 10 Hz Switching time off ≤6 ms Note on switching time of At −1 ♀ ← 6 bar On switching time on ←6 ms at 0 Duty cycle 100% within 500 h Electrical power consumption 4.5 W Nomial operating voltage DC 24 V Permissible voltage fluctuations 0 compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 · Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Operating pressure	-14.5 psi 100 psi
Reset method Mechanical spring Degree of protection IP40 Nominal width 0.36 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Type of control Electrical Flow direction Reversible Symbol 00992967 Cv value 0.006 Gal/min US Max. switching frequency 10 Hz Switching time off s6 ms Note on switching time off At -1 On switching time s13 ms Note on switching time on < 6 ms at 0 < p < 6 bar, < = 13 ms at -1 < p < 0 bar	Information on operating pressure	Operating pressure at port 3: -1 to 0 bar only
Degree of protection IP40 Nominal width 0.36 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Type of control Electrical Flow direction Reversible Symbol 0.9992967 Cv value 0.006 Gal/min US Max. switching frequency 10 Hz Switching time off At -1 < p < 6 bar Note on switching time off 41 ms at 1 < p < 0 bar Note on switching time on < 6 ms at 0 < p < 6 bar, < 13 ms at -1 < p < 0 bar Duty cycle 100% within 500 h Electrical power consumption \$0.5 W Nominal operating voltage DC Permissible voltage fluctuations +/- 10 % Operation medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1-Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Structural design	
Nominal width Exhaust air function Sealing principle Soft Mounting position Any Manual override Type of control Flow direction Switching frequency Cv value Moe switching frequency Switching time off Note on switching time on Duty cycle Electrical power consumption Note on switching oltage DC Permissible voltage fluctuations Permissible voltage fluctuations At -(10% operation with oil lubrication not possible Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364 zone III	Reset method	Mechanical spring
Exhaust air function Sealing principle Soft Mounting position Any Manual override Type of control Flow direction Symbol Cy value O.006 Gal/min US Max. switching frequency Mote on switching time off On switching time off On switching time on Duty cycle Electrical Flow direction At -1 < p < 6 bar, <= 13 ms at -1 < p < 0 bar Duty cycle Electrical Flow direction Some At -1 < p < 6 bar, <= 13 ms at -1 < p < 0 bar Duty cycle Electrical Flow direction Some Some At -1 < p < 6 bar, <= 13 ms at -1 < p < 0 bar Duty cycle Electrical Flow within 500 h Electrical Flow direction Some Some At -1 < p < 6 bar, <= 13 ms at -1 < p < 0 bar Duty cycle Electrical Flow within 500 h Electrical Flow operating voltage DC Permissible voltage fluctuations 4/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Degree of protection	IP40
Sealing principle Mounting position Manual override None Type of control Flow direction Symbol Cv value 0.00992967 Cv value 0.006 Gal/min US Max. switching frequency 10 Hz Switching time off At -1 < p < 6 bar Note on switching time off On switching time on Cream of most on switching time on Cream of most on switching time on Cream of most on switching time on Duty cycle 100% within 500 h Electrical power consumption So.5 W Nominal operating voltage DC Permissible voltage fluctuations Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364 zone III	Nominal width	0.36 mm
Mounting position Any Manual override None Type of control Electrical Flow direction Reversible Symbol 00992967 Cv value 0.006 Gal/min US Max. switching frequency 10 Hz Switching time off ≤6 ms Note on switching time off At −1 On switching time ≤13 ms Note on switching time on < −6 ms at 0 < p < 6 bar, < −13 ms at −1 < p < 0 bar	Exhaust air function	With flow control option
Manual override None Type of control Electrical Flow direction Reversible Symbol 00992967 Cv value 0.006 Gal/min US Max. switching frequency 10 Hz Switching time off ≤6 ms Note on switching time off At −1 On switching time ≤13 ms Note on switching time on <−6 ms at 0 < p < 6 bar, <=13 ms at −1 < p < 0 bar	Sealing principle	Soft
Electrical Flow direction Reversible Symbol O992967 Cv value O.006 Gal/min US Max. switching frequency 10 Hz Switching time off Note on switching time off At -1 < p < 6 bar Note on switching time on On switching time on Cv switching time Cv switching Cv switc	Mounting position	Any
Flow direction Symbol Oughard Cv value Oughard Ougha	Manual override	None
Symbol 00992967 Cv value 0.006 Gal/min US Max. switching frequency 10 Hz Switching time off s6 ms Note on switching time off At -1 < p < 6 bar On switching time off s1 ms at -1 < p < 0 bar Duty cycle 100% within 500 h Electrical power consumption s0.5 W Nominal operating voltage DC 24 V Permissible voltage fluctuations +/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1- Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Type of control	Electrical
Cv value 0.006 Gal/min US Max. switching frequency 10 Hz Switching time off s6 ms Note on switching time off At -1 < p < 6 bar On switching time on c= 6 ms at 0 < p < 6 bar, <= 13 ms at -1 < p < 0 bar Duty cycle 100% within 500 h Electrical power consumption s0.5 W Nominal operating voltage DC 24 V Permissible voltage fluctuations +/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Flow direction	Reversible
Max. switching frequency 10 Hz Switching time off ≤6 ms Note on switching time off At −1 On switching time ≤13 ms Note on switching time on <= 6 ms at 0 < p < 6 bar, <= 13 ms at -1 < p < 0 bar	Symbol	00992967
Switching time off Note on switching time off At -1 < p < 6 bar At -1 < p < 6 bar On switching time \$13 ms Note on switching time on C= 6 ms at 0 < p < 6 bar, <= 13 ms at -1 < p < 0 bar Duty cycle 100% within 500 h Electrical power consumption \$0.5 W Nominal operating voltage DC Permissible voltage fluctuations +/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Cv value	0.006 Gal/min US
Note on switching time off On switching time \$13 ms Note on switching time on \$45 ms at 0 < p < 6 bar, <= 13 ms at -1 < p < 0 bar 100% within 500 h Electrical power consumption Nominal operating voltage DC Permissible voltage fluctuations Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364 zone III	Max. switching frequency	10 Hz
On switching time Note on switching time on C= 6 ms at 0 < p < 6 bar, <= 13 ms at -1 < p < 0 bar Duty cycle 100% within 500 h Electrical power consumption So.5 W Nominal operating voltage DC 24 V Permissible voltage fluctuations +/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Switching time off	≤6 ms
Note on switching time on C= 6 ms at 0 < p < 6 bar, <= 13 ms at -1 < p < 0 bar Duty cycle 100% within 500 h Electrical power consumption \$0.5 W Nominal operating voltage DC 24 V Permissible voltage fluctuations +/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Note on switching time off	At -1 < p < 6 bar
Duty cycle 100% within 500 h Electrical power consumption ≤0.5 W Nominal operating voltage DC 24 V Permissible voltage fluctuations +/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	On switching time	≤13 ms
Electrical power consumption \$0.5 W Nominal operating voltage DC 24 V Permissible voltage fluctuations +/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Note on switching time on	<= 6 ms at 0 < p < 6 bar, <= 13 ms at -1 < p < 0 bar
Nominal operating voltage DC Permissible voltage fluctuations +/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Duty cycle	100% within 500 h
Permissible voltage fluctuations +/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Electrical power consumption	≤0.5 W
Operating medium Compressed air to ISO 8573-1:2010 [6:4:1] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Nominal operating voltage DC	24 V
Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 1 - Low corrosion stress VDMA24364 zone III	Permissible voltage fluctuations	+/- 10 %
Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III	Operating medium	Compressed air to ISO 8573-1:2010 [6:4:1]
LABS (PWIS) conformity VDMA24364 zone III	Information on operating and pilot media	Operation with oil lubrication not possible
	Corrosion resistance class (CRC)	1 - Low corrosion stress
Temperature of medium 5 °C 50 °C	LABS (PWIS) conformity	VDMA24364 zone III
	Temperature of medium	5 °C 50 °C

Feature	Value
Relative air humidity	70 %
Note on relative air humidity	at ambient temperature
Ambient temperature	5 ℃ 50 ℃
Product weight	6 g
Electrical connection	Cable
Type of mounting	With through-hole
Pneumatic connection 1	Sub-base
Pneumatic connection 3	Sub-base
Note on materials	RoHS-compliant
Housing material	PBT
Material of spring	High-alloy stainless steel